COLLEGE OF PHARMACEUTICAL SCIENCES
DAYANANDA SAGAR UNIVERSITY
Kumaraswamy layout, Bangalore-78

2.2.1 The institution assesses the learning levels of the students and organizes special Programs for advanced learners and slow learners

The college has a strong mentoring and counselling programme in place. Students are paired with a particular faculty member who serve as their mentors and counsellors through-out their tenure in the college. The mentors meet with their student mentees on a regular basis to check on their progress in the classroom, and any other counselling they might require.

As a standard protocol, a student scoring less than 40% marks in three or more internal topics and having less than 75% attendance is regarded as a student who learns slowly in school. These students are closely monitored by counsellors, who counsel them regularly and let their parents know their performance. Remedial and extra classes are arranged for such students. They are given special attention and all efforts are made to enhance their learning and results.

The students achieve more than 80% scores are considered as advanced learners. They are encouraged to appear for higher education and write various competitive exams like GPAT, GRE etc based on their aptitude. Appropriate guidance and counselling is down for these students.

The students who are doing well in studies are also encouraged to participate in various projects, conferences, make them part of on-going research projects with relevant faculty. They are invigorated to participant in various competitions, national and international events to further expose them to the current scenario and find their true liking and potential.

We try to pair slow learners with advance learners for their symbiotic learning and growth.

In the last year of the program the students are counselled for their jobs prospects or directed towards higher studies depending on their aptitude. Appropriate help is also extended like advice for colleges, course selection, job selection etc. Five students of B. Pharm 8th sem have cleared GPAT exam, and around 40 of them are going for higher studies in various colleges in India and abroad.

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University

College of Pharmaceutical Sciences

2.2.1 The department assesses the learning levels of students and organises special programs for advanced and slow learners.

SL. No.	USN Number	Program	Course	I Sessional Marks	II Sessional Marks	III Sessional Marks	% of Remedial classes Attendance	Final Marks
1	HSC21PH0009	B.Pharm-I SEM	HAP-I	15	15	NA	84.6	54
2	HSC21PH0036	B.Pharm-I SEM	HAP-I	17	18	NA	85	58
3	HSC21PH0037	B.Pharm-I SEM	HAP-I	15	20	NA	84.6	56
4	HSC21PH0091	B.Pharm-I SEM	HAP-I	18	19	NA	92.3	55
5	HSC20PD0010	Pharm D II Year	Pharmacotherapeutics-I	14	18	23	86.9	52
6	HSC20PD0013	Pharm D II Year	Pharmacotherapeutics-I	14	22	22	91.3	59
7	HSC20PD0019	Pharm D II Year	Pharmacotherapeutics-I	13	18	21	86.9	51

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bangalore 560 078.

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Anju Jose Semester: IInd Pharm. D Subject: Pharmacotherapeutics-I

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29 15/12	30 22/12	31 29/12	32 5/01	33 12/01	34 19/01	35 02/02	36 09/02	37 16/02	38 23/02	39 2/3	40 9/3	41 16/3	42 23/3	43 30/3	44 6/4	45 13/4	46 20/4	47 27/4	48 4/5	49 11/5	50 18/5	51 25/5	52	53	54	55	56			
1	HSC20PD0010	Meer Mehdi Abbas	1	2	3	3	4	5	6	6	7	8	9	10	11	11	12	13	14	15	16	17	18	19	20						20/23	86.9 %
2	HSC20PD0013	Nitish Kumaran	1	2	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21						21/23	91.3 %
3	HSC20PD0019	Shilpa Rai	1	1	2	3	4	5	6	7	8	9	10	11	12	13	13	14	15	16	17	18	19	20							20/23	86.95%
4																																

Initials of Staff

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Hrishata. Semester: I SEM. Subject: HAP-I

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29 21/2	30 3/3	31 10/3	32 17/3	33 24/3	34 31/3	35 7/4	36 21/4	37 28/4	38 5/5	39 12/5	40 19/5	41 26/5	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
1	HSC21PH0009	Ashwan Narayan	1	1	2	3	4	5	5	6	7	8	9	10	11																11/13	84.6
2	HSC21PH0036	Hussain Anuja	1	2	2	3	4	5	6	7	7	8	9	10	11																11/13	84.6
3	HSC21PH0037	Tanmaya M	1	2	3	4	4	5	6	7	8	9	10	10	11																11/13	84.6
4	HSC21PH0091	Yashas	1	2	3	4	5	5	6	7	8	9	10	11	12																12/13	92.3%

Assignment no - 4

1. Explain the structure and functions of Lymph node. [5

→ The lymphatic system is a network of vessels through which lymph drains from the tissue into blood. It is mainly made up of lymph nodes, lymph capillaries and lymph vessels.

LYMPH	
Nature	It is a transparent, slightly yellowish liquid. It is found within the lymph vessels. It is alkaline in reaction. It resembles the Plasma.
Composition	Lymph contain proteins, fats, Lymphocytes and nutrients.
Formation of the Lymph	Lymph is formed by filtration of the tissue fluids and then enters into the lymph vessels.
Functions of Lymph	• It removes the excess tissue fluid from the body. • It transports proteins, fats etc. • It protects the body against infection by destroying bacteria and toxins. • It helps to absorb fatty acids and glycerols in the small intestine.

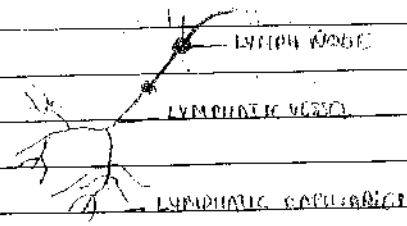
Thus, Lymphatic system is a part of circulatory and immune

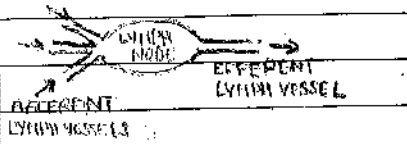
LYMPH NODES :

Also called as lymphs glands, lymph nodes are

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

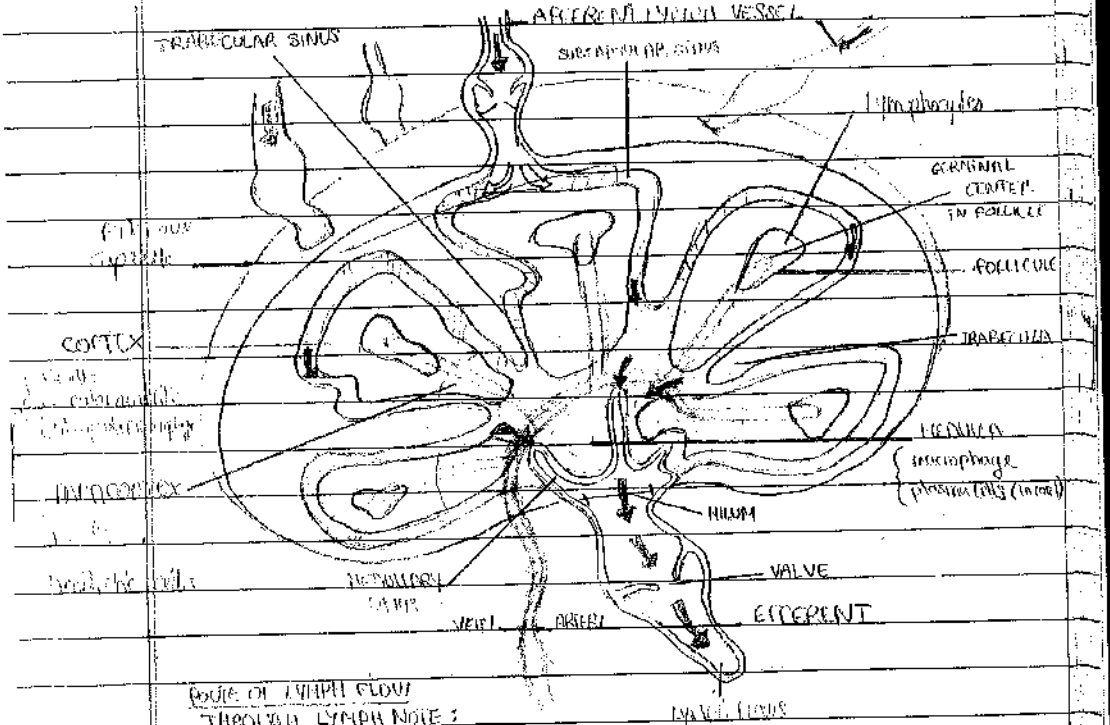
STRUCTURE OF LYMPH NODE





→ several afferent lymph vessels enter a lymph node, which is drained by a single efferent vessels.

→ Presence of the particular WBCs called lymphocytes.



ROUTE OF LYMPH FLOW THROUGH LYMPH NODE :

AFFERENT [illegible]

↓

[illegible]

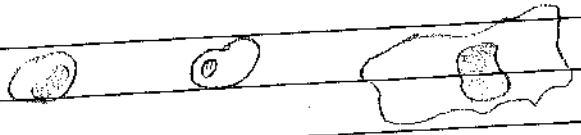
↓

[illegible]

↓

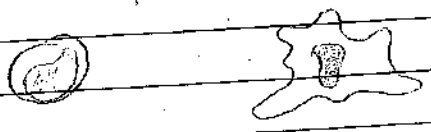
[illegible]

→ A lymph node, or lymph gland is a kidney-shaped organ of the lymphatic system and the adaptive immune system.
→ A large number of lymph nodes are found throughout the body by the lymphatic vessels.
→ They are major sites of lymphocytes that include B and T cells.
→ Lymph nodes are important for the proper functioning of the immune system, acting as filters for foreign particles entering the lymphatic vessels.
→ The size of a lymph node is often often millimeters to about 1-2 cm long.
→ Cells of medulla:
Macrophages



B cells Plasma cells

→ Cells of inner cortex:

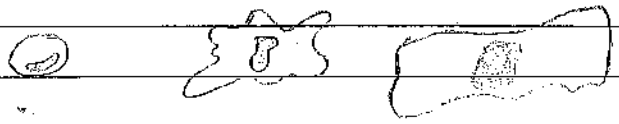


T cells Dendritic cells

→ Cells around germinal center of outer cortex:



B cells



B cells Dendritic cells Macrophages

LOCATION OF LYMPH NODES :

→ lymph nodes are present in the neck region, axilla and groin of thorax.
→ present in the walls of digestive tract, in the mucosa and submucosa.
→ Larger masses spleen and thymus, tonsils and adenoids are all lymphoid masses. these produce lymphocytes.

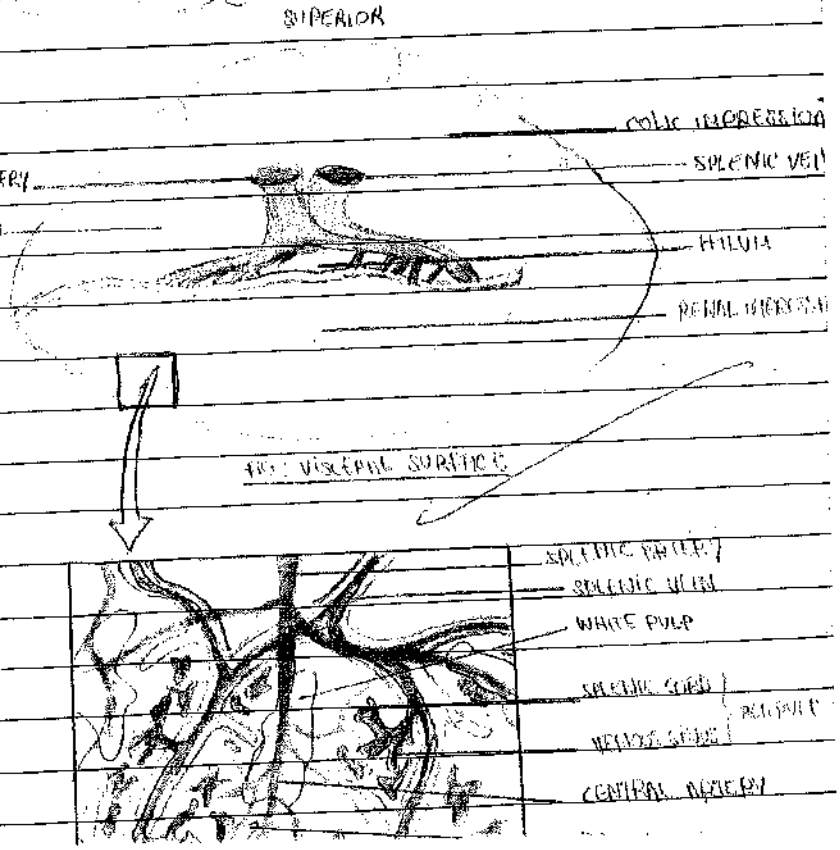
FUNCTIONS OF LYMPH NODES :

→ It clears the lymph : they filter out solid particles including bacteria.
→ they produce lymphocytes
→ Production of plasma protein like globulin.
→ It helps in Immunity.
→ The foreign substances are trapped by the reticular fibres within the lymph nodes.
→ the macrophages destroy the foreign substances by phagocytosis.
→ they act as mechanical filter to accept the

2- Explain the structure & function of spleen. [5M]

→ The spleen is a large encapsulated, bean-shaped organ that is situated on the left side of the body. The spleen contains T and B lymphocytes as well as many phagocytes and is a major component of the mononuclear phagocyte system. Although the structure resembles that of the large lymph nodes, the spleen differs from a lymph node in having no lymphatic drainage, and also in containing large numbers of red cells.

STRUCTURE OF SPLEEN



- It is a dark purple-coloured organ, which lies in the left hypochondriac region of the abdomen, between the cardiac of the stomach and the diaphragm.
- It vary in size and weight during the lifetime of an individual but in an adult is usually about 12cm long, 8 cm broad and 3-4 cm thick weighing about 200gm.
- The spleen has diaphragmatic and visceral surfaces. The diaphragmatic surface is in contact with the inner surface of the diaphragm.
- The spleen has an outer coat of peritoneum which is firmly adherent to the internal fibroelastic coat or splenic capsule that dips into the organ, forming trabeculae.
- The spleen has a spongy interior called splenic pulp. The splenic pulps are of two kinds: white pulp & Red pulp.

- White pulp: Mostly consists of immune cells (T & B cells).

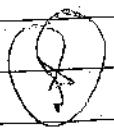
- Red Pulp: It consist of numerous dilated capillary filled separated by a network of reticular tissue which is supported by the splenic cords. The splenic cords contain numerous macrophages that are the site of intense phagocytic activity. They also contain numerous lymphocytes, which are derived from the white pulp.

FUNCTION OF SPLEEN

- The main immunological function of the spleen is to filter the blood by trapping bloodborne microbes and presenting

produces T & B lymphocytes.

- Due to the presence of lymphoid reticulo endothelial tissue, the spleen is involved in producing antibodies as antibodies.
- In the fetus, the spleen acts as an important hematopoietic organ.
- It also removed damaged Red blood cells and immune complex.
- It can act as an erythropoietic organ which acts as a reservoir of erythrocytes or a reservoir for blood.
- Those individuals who have had their spleens Remove (splenectomized) have a greater susceptibility to infection with encapsulated bacteria, and are at increase risk of severe malarial infection, which indicates its major importance in immunity.





Assignment no – 5.

1- Explain skeletal muscle contraction with NMJ. [10]

→ Motion is one of the most important aspects of human body. This function is accomplished by the concerted role of bony skeletons, joints and the skeletal muscles of the body. In addition to the motion the skeletal muscles also serve some other functions:

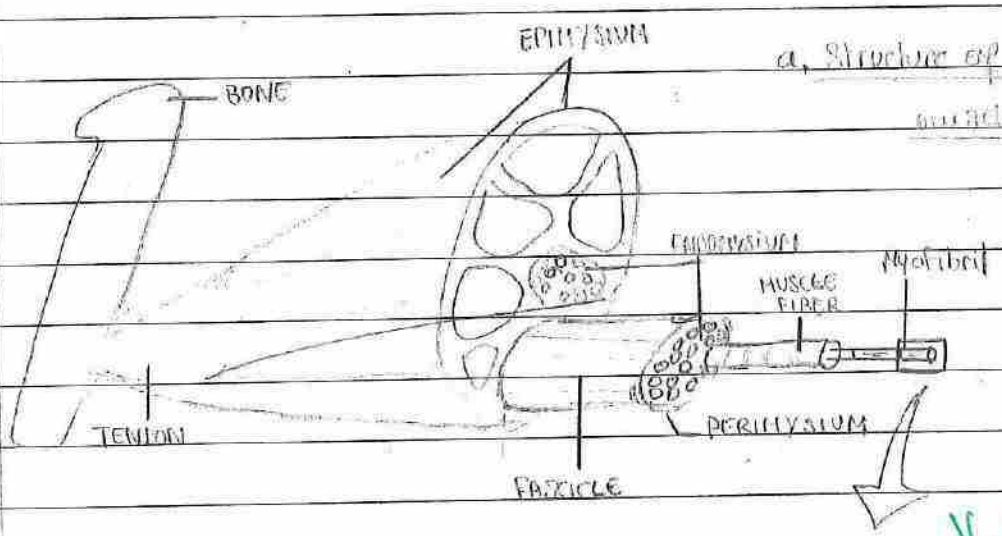
- Force production for locomotion and breathing.
- Force production for postural support
- Heat production during cold stress.

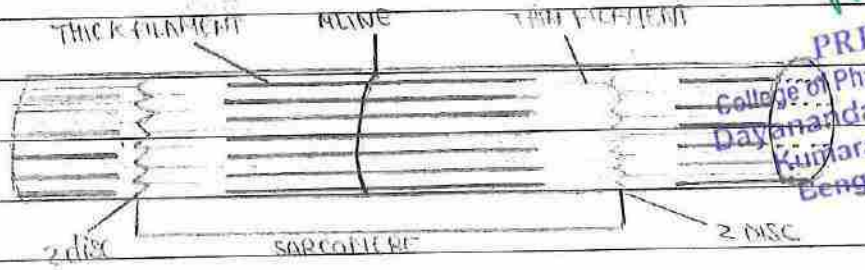
Properties:

- Excitability (ability to response to stimuli)
- Contractility (Ability to contract forcefully when stimulated)
- Extensibility (Ability to stretch without being damaged)
- Elasticity (Ability to return to an original length)

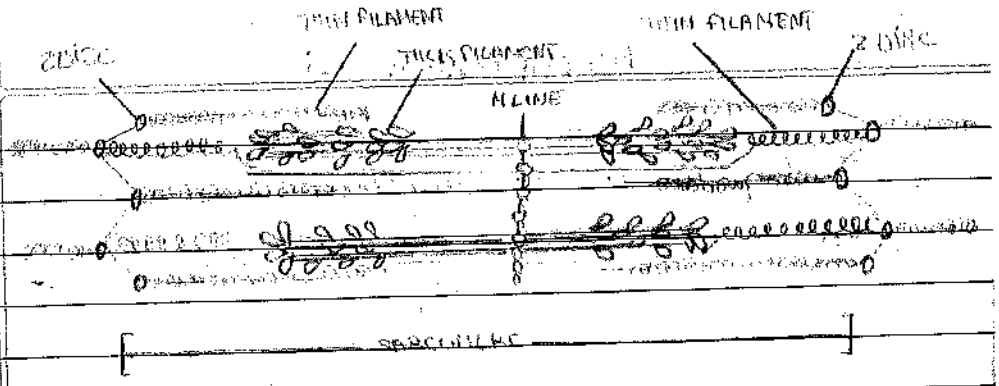
The human body contains over 600 skeletal muscles (40-50%) of total body weight.

a. Structure of skeletal muscle.





PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.



c details of filaments and z disc

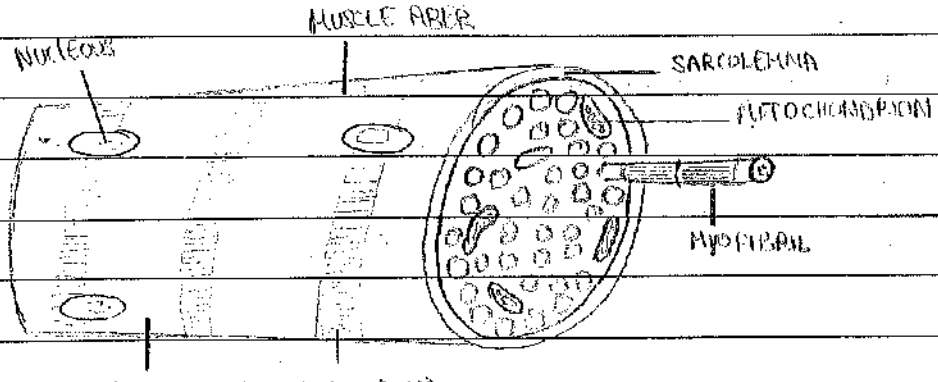
Components of Skeletal Muscle Tissue

- Fascia: Dense fibrous or broad band of irregular connective tissue that surrounds muscles
- Epimysium: The outermost layer that separates 10 - 100 muscle fibers into bundles called fascicles.
- Perimysium: Surround numerous bundles of fascicles
- Endomysium: Separates individual muscle fibers from one another
- Tendon: Cord that attach a muscle to a bone
- Aponeurosis: Broad, flattened tendon

Skeletal Muscle characteristics:

- Most are attached by tendons to bone
- Cells are multinucleate
- Striated (have visible banding)
- Cells are surrounded and excited by connective tissue

Muscle fibre



* Sarcolemma : cell membrane
  - Surrounds the sarcoplasm (cytoplasm fiber)
    - contains many of the same organelles seen in other cells
    - the abundance of the oxygen - binding protein myoglobin
  - Invaded by opening called the transverse Tubule. (T-tubule)
    - Narrow tubes that extend into the sarcoplasm at right angles to the surface
    - Filled with extracellular fluid.

* Myofibrils : cylindrical structures within muscle fiber.
  - Are bundles of protein filaments (myofilaments)
    - → two types of myofilaments
      1. Actin filaments (thin filaments)
      2. Myosin filaments (thick filament)

At each end of the fiber, myofibrils are anchored to the inner surface of the sarcolemma.
When myofibril shortens, muscle contracts (shortens)
When contraction happen, the gap between the 2 disc, the sarcomere is reduced toward the M line.

Structure of Actin and Myosin (Thin & Thick filaments)

- THIN FILAMENT (ACTIN FILAMENT)

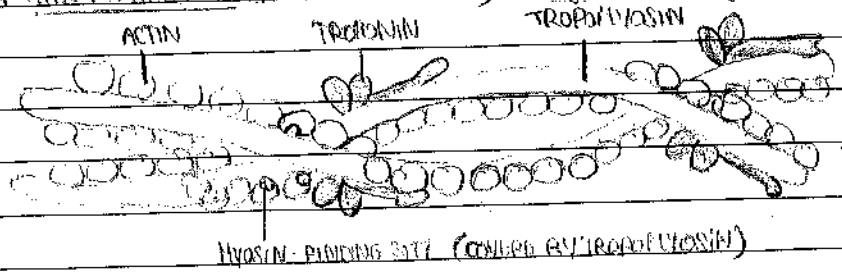


fig: Action of thin filament

∴ In relaxed muscle Myosin is blocked from binding to actin

→ Shield of tropomyosin cover the myosin-binding sites.

→ Actin molecules provide a site where a myosin head can attach

→ Composed of 3 major proteins :

1. Actin
2. Tropomyosin
3. Troponin

→ Calcium ion binding to troponin moves tropomyosin away from myosin-binding sites.

→ Allows muscle contraction to begin as myosin binds to actin

- THICK FILAMENT (MYOSIN FILAMENT)

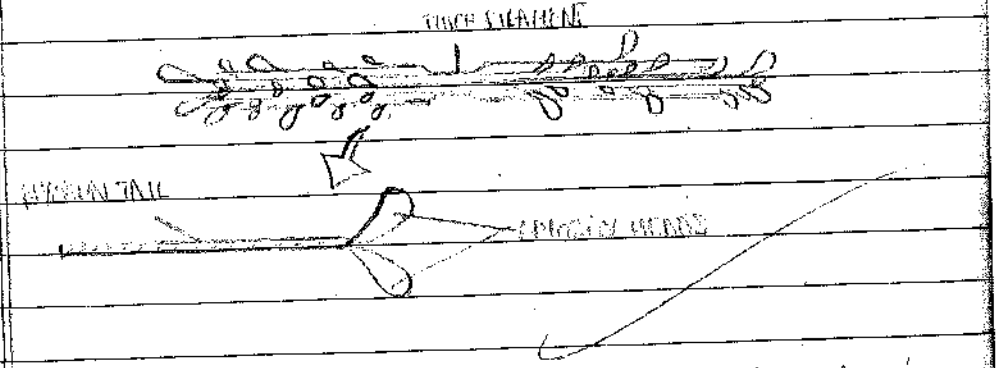


fig: one thick filament and a Myosin molecule

→ Function as a motor protein which can achieve motion.

→ Convert ATP to energy of motion.

→ Projections of each myosin molecule protrude outward

MUSCULAR CONTRACTION & RELAXATION

- Muscle shortening occurs due to the movement of the actin filament over the myosin filament.
- contraction of cross-bridges between actin and myosin filaments.
- Reduction in the distance between 2 lines of the sarcomere towards the H line.

4 steps :

(1) ATP hydrolysis : Hydrolysis of ATP occurs and energizes the myosin head.

(2) Formation of cross-bridges : Myosin head attached to the myosin-binding site on actin.

(3) Power stroke : During the power stroke the cross bridge rotate sliding the filaments.

(4) Detachment of myosin from actin : As the next ATP binds to the myosin head, the myosin head detached from actin the contraction cycle occurs as long as ATP is available and the Ca^{2+} level is sufficiently high. Continuing cycles applies the force that shortens the sarcomere.

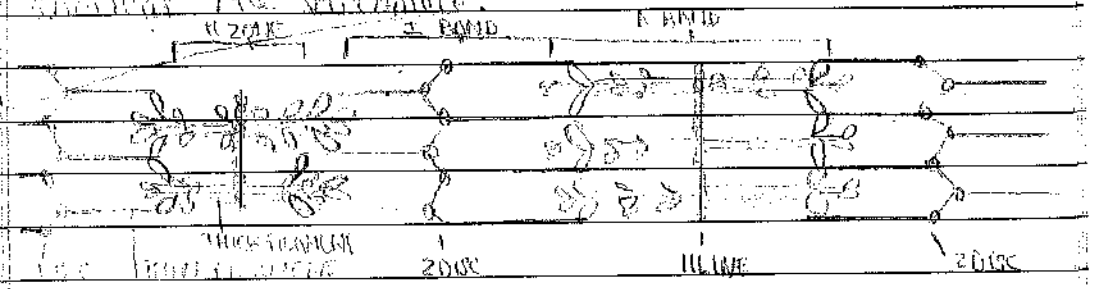
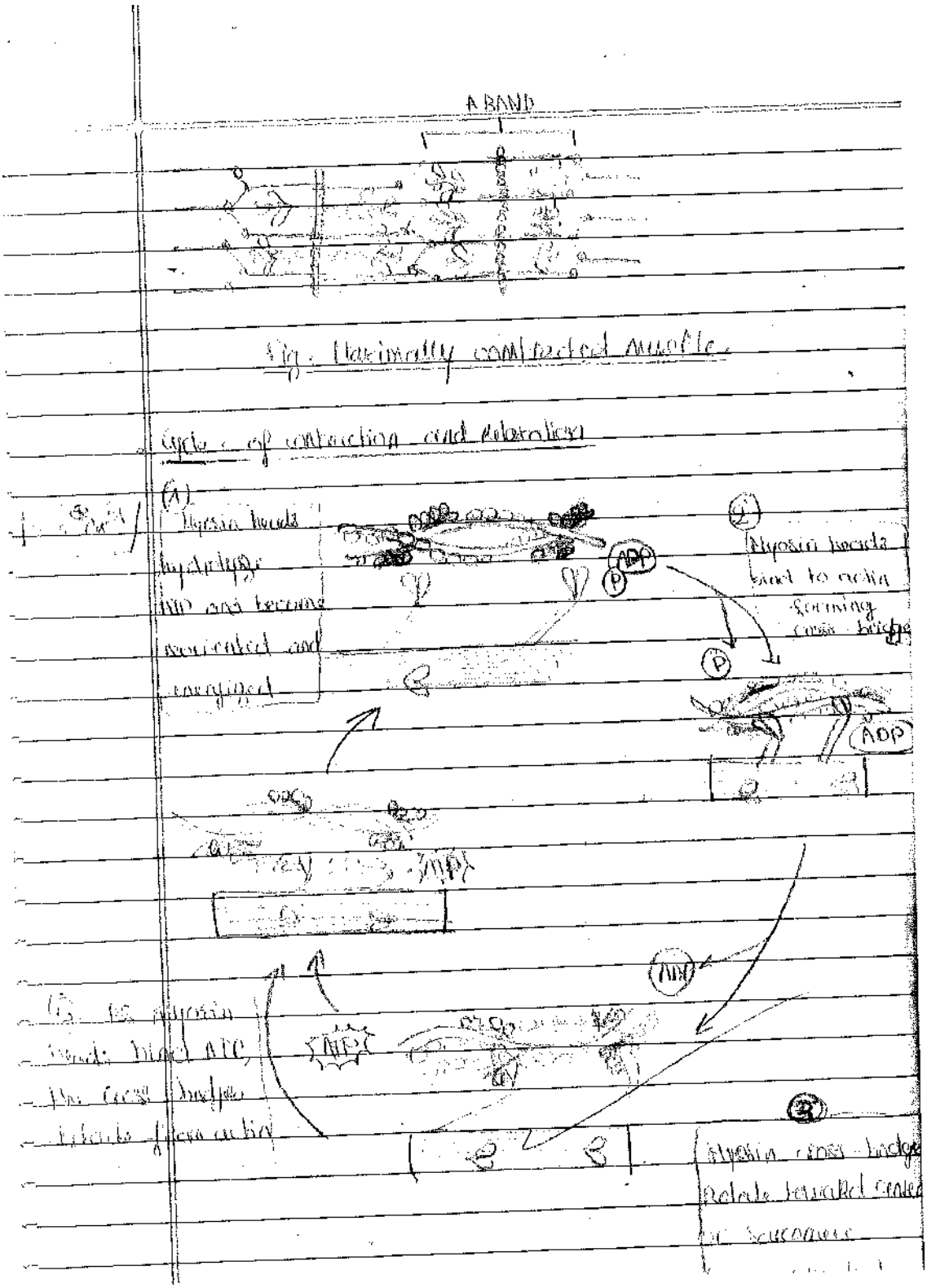
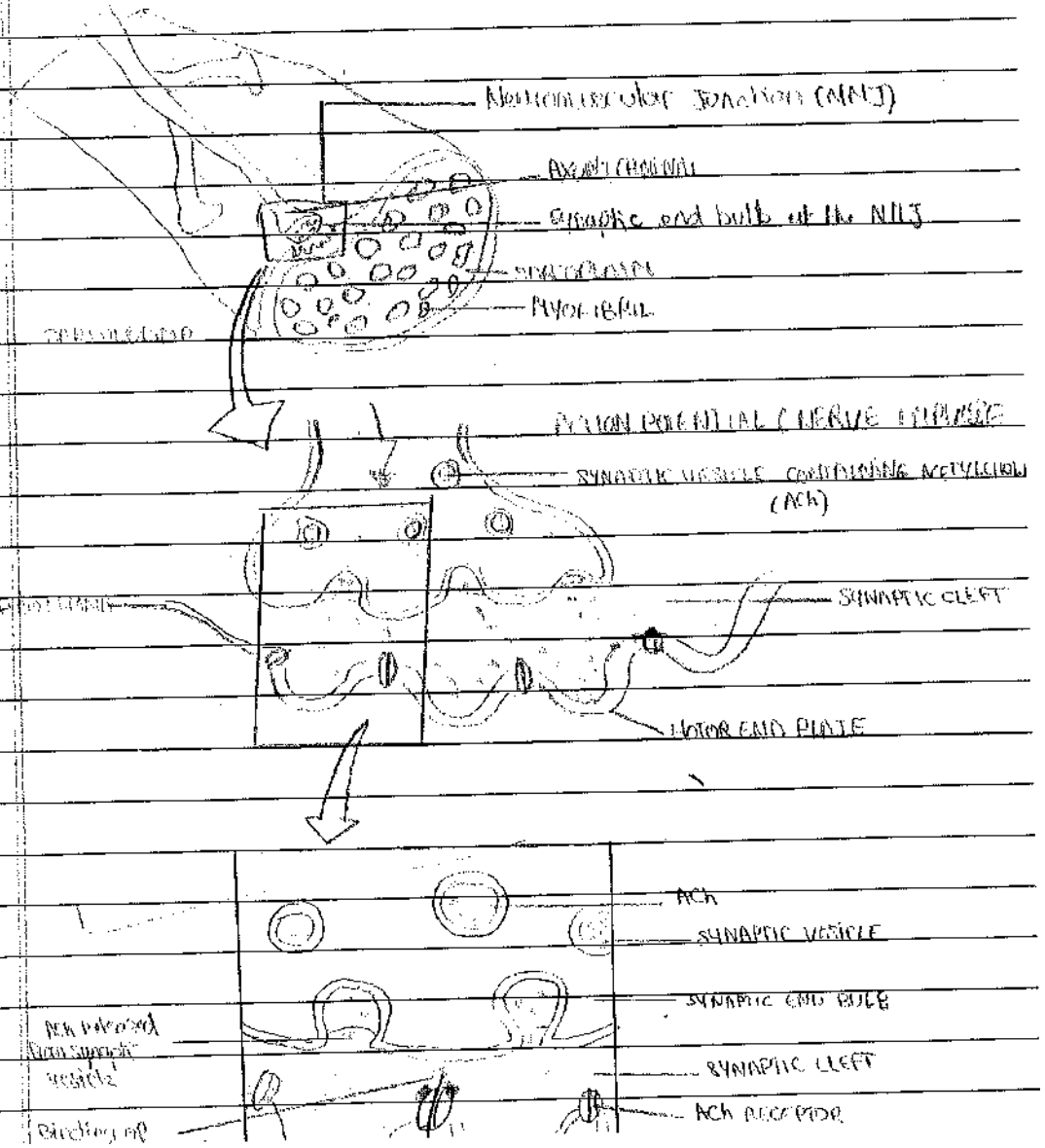


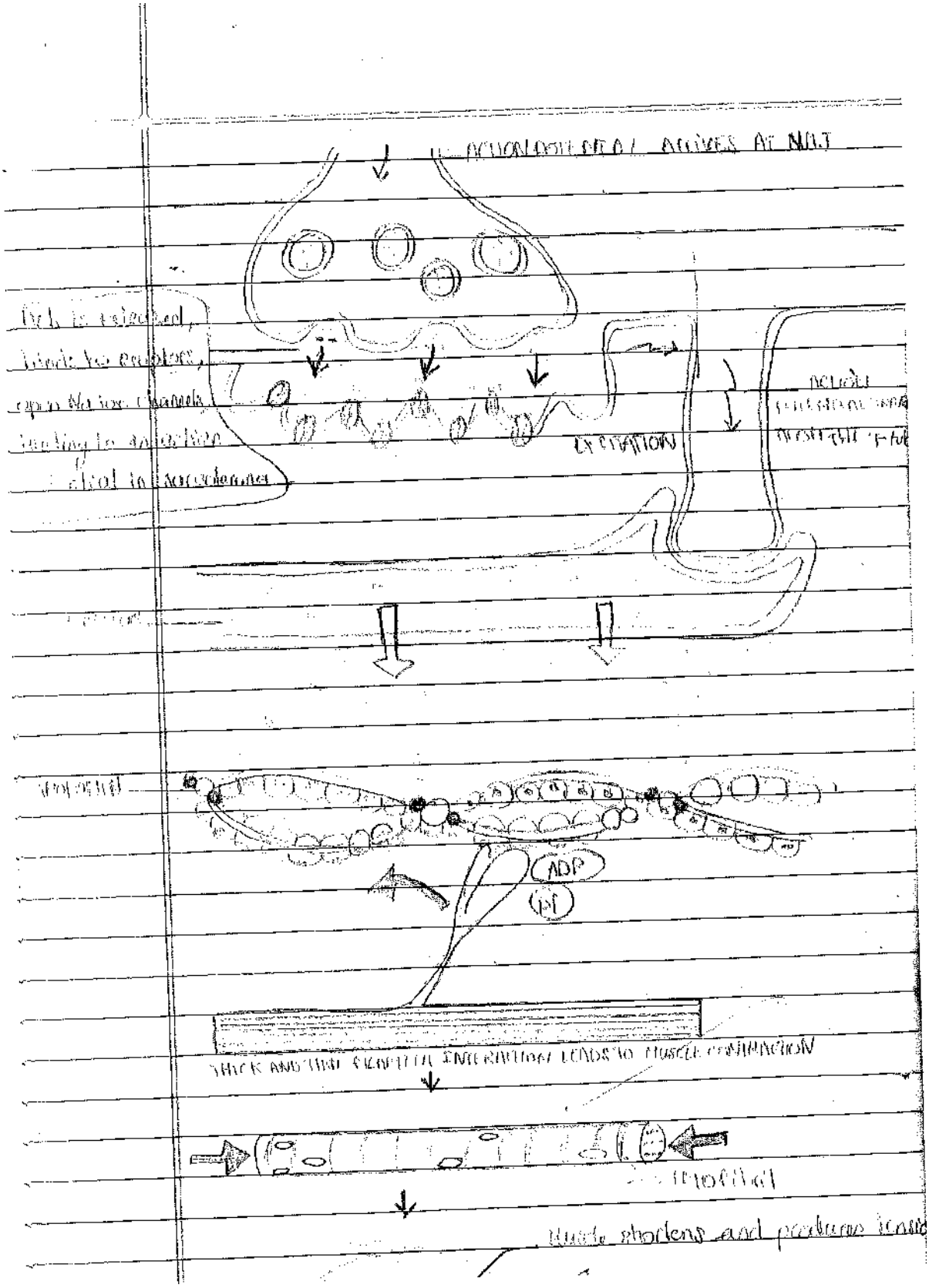
Fig. Relaxed Muscle


A BAND
Fig. Unstriated muscle.
Cycle of contraction and relaxation
(1)
Myosin heads hydrolyse ATP and become recocked and energised
(2)
Myosin heads bind to actin forming cross bridges
ADP
P
(3)
Myosin cross bridges rotate towards centre of sarcomere
(4) Myosin heads bind ATP, the cross bridges break away

Neuromuscular Junction

a site of chemical communication between a nerve fibre and a muscle cell. The neuromuscular junction is analogous to the synapse between two neurons. It refers to intimate contact of nerve endings with the muscle fibres to which they innervate.




ACTION POTENTIAL ARRIVES AT NMJ
Ca2+ is released,
binds to receptor,
opens Na ion channels,
leading to depolarization
of the sarcolemma
ACTIVATION
ADP
Pi
THICK AND THIN FILAMENT INTERACTION LEADS TO MUSCLE CONTRACTION
muscle shortens and produces tension

(1) Nerve impulse arrives at axon terminal of motor neuron and triggers release of acetylcholine (Ach).

(2) Ach diffuses across synaptic cleft, binds to its receptors in the motor end and triggers a muscle action potential.

(3) Acetylcholinesterase in synaptic cleft destroys Ach to ensure muscle action potential does not arise unless more Ach is released from motor neuron.

(4) Signal or wave travelling along transverse tubule opens Ca^{2+} voltage channels in the sarcoplasmic Reticulum (SR) membrane, which allows calcium ions to flood into the sarcoplasm.

(5) Ca^{2+} binds to troponin on the thin filament exposing the binding sites for myosin.

(6) Contraction: power strokes use ATP & myosin heads bind to actin, swivel, and release, thin filaments are pulled towards centre of sarcomere.

(7) Ca^{2+} release channels in SR close and Ca^{2+} active transport pumps use ATP to restore low level of Ca^{2+} in sarcoplasm.

(8) Tropomyosin troponin complex shifts back into position where it blocks the myosin binding sites on actin.

2. INHERITANT DISORDERS :

- Muscular dystrophy:

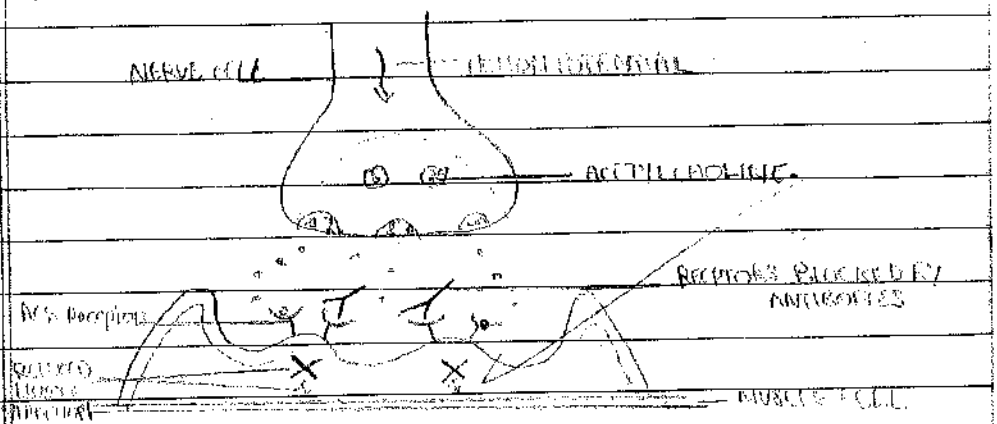
Group of 20 inherited diseases results in increasing weakness and breakdown of skeletal muscles overtime.

→ Symptoms

- Progressive muscular wasting
- Poor Balance
- Progressive inability to walk
- Curvature of spine & back (Scoliosis)
- Respiratory difficulty
- Muscle spasm
- Cardiomyopathy

- Myasthenia gravis.

It is an autoimmune disease that produces antibodies directed towards the nicotinic Receptor of ACh in the Neuromuscular junction.



→ Symptoms:

Droplow or opening of eye

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: II Pharm.D

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30- 4.30		
MON	Community Pharmacy (Mrs. Sheena)	Pathophysiology (Mrs. Sapna)	Pharmacognosy (Dr. Shanaz)	L	Pharmacognosy B- I (Dr. Shanaz) Pharmacotherapeutics B- II (Dr. Anju)		
TUE	Ph'Microbiology (Dr.Sivakami)	Pharmacology (Dr. Geetha)	Pathophysiology (Mrs. Sapna)	U	Pharmacognosy B- II (Dr. Shanaz) Pharmacotherapeutics B- I (Dr. Chinju)		
WED	Remedial Class	Pharmacology (Mrs. Akshata)	Pharmacognosy (Dr. Shanaz)	N	Microbiology (Dr. Sivakami)	Pharmacology (Dr. Geetha)	--
THU	Pharmaceutical microbiology (B-I)		Dr. Sivakami	C	Pharmaco therapeutics I (Dr.Anju)	Microbiology (Dr. Sivakami)	Pathophysiology (Mrs. Sapna)
FRI	Pharmaceutical microbiology (B-II)		Dr. Sivakami	H	Community Pharmacy (Mrs. Sheena)	Pharmaco - therapeutics I (Dr. Anju)	
SAT	Pharmacognosy (Dr. Shanaz)	Ph'cotherapeutics I (Dr. Chinju)	---				

Class room no. 1.03

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

PRINCIPAL

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm 1st Semester

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30-4.30
MON	HAP (Mrs. Akshata)	Ph'ceutics (Ms. Seema)	Ph'Inorg Chem (Mrs. Anita)	L	Comm. Skills (Mr. Mukesh Soni)
TUE	Intro Maths (Mrs.Swathi)	Ph'Analysis (Dr.Gnanaruba)	Ph'Inorg Chem (Mrs. Anita)	U	Comm. Skills (Mr. Mukesh Soni)
WED	Ph'Inorg.Chem (Mrs. Anita)	Ph'ceutics (Ms. Seema)	Ph'Analysis (Dr.Gnanaruba)	N	HAP B-III (Mrs. Akshata) Ph'Analysis B- IV (Dr. Gnanaruba) Ph'ceutics B-I (Ms. Seema) Ph'Inorg.Chem B-II (Mrs. Anita)
THU	Ph'ceutics (Ms. Seema)	HAP (Mrs. Akshata)	Remedial class	C	HAP B-IV (Mrs. Akshata) Ph'Analysis B- I (Dr. Gnanaruba) Ph'ceutics B-II (Ms. Seema) Ph'Inorg.Chem B-III (Mrs. Anita)
FRI	HAP (Mrs. Akshata)	Ph'Analysis (Dr.Gnanaruba)	Intro Maths (Mrs.Swathi) --	H	HAP B-I (Mrs. Akshata) Ph'Analysis B- II (Dr. Gnanaruba) Ph'ceutics B-III (Ms. Seema) Ph'Inorg.Chem B-IV (Mrs. Anita)
SAT	HAP B-II (Mrs. Akshata) Ph'Analysis B- III (Dr. Gnanaruba) Ph'ceutics B-IV (Ms. Seema) Ph'Inorg.Chem B-I (Mrs. Anita)				--

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: III Pharm.D

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30- 4.30		
MON	Pharmaceutical Analysis Pharmaceutical Formulation	B-I B-II	(Dr. Prema) (Mrs. Suma)	L	Ph'formulations (Dr. Wilson)	Ph'Analysis (Dr. Prema)	Med.Chemistry (Mr. Mahesh)
TUE	Pharmaceutical Analysis Medicinal Chemistry	B-II B-I	(Dr. Prema) (Mr. Mahesh)	U	Ph'formulations (Dr. Wilson)	Pharmaco therapeutics (Mrs. Sapna)	Ph'Analysis (Dr. Prema)
WED	Medicinal Chemistry Ph'Formulations	B-II B-I	(Mr. Mahesh) (Dr. Wilson)	N	Ph'Jurisprudence (Mr. Ramkrishna)	Ph'cology (Dr.Prashant)	Med.Chemistry (Mr. Mahesh)
THU	Remedial Class		Ph'cotherapeutics (Mrs Sapna)	C	Med. Chemistry (Mr. Mahesh)	Ph'cology (Dr. Prashant)	Ph'Analysis (Dr. Prema)
FRI	Pharmacology Ph'cotherapeutics	B-II B-I	(Dr. Prashant) (Mrs. Sapna)	H	Ph'cotherapeutics (Mrs Sapna)	Ph'Juris (Mr.Ramkrishna)	Ph'cology (Dr. Prashant)
SAT	Pharmacology Ph'cotherapeutics	B-I B-II	(Dr. Prashant) (Mrs. Sapna)		---		

Class room no. 1.02

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: IV Pharm. D

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30 to 4.30
MON	Clinical Pharmacy (Dr. Ramanath)	Bioph'ceutics I (Dr. Manjula)	Hosp. Pharmacy (Mr. Ramakrishna)	L	Biopharmaceutics B-I (Dr. Manjula)
TUE	Ph'therapeutics III (Dr. Sonia)	Bioph'ceutics I (Dr. Manjula)	Biostatistics (Dr.Gangaboraiah)	U	Hospital Pharmacy (Mr. Ramakrishna)
WED	Ph'therapeutics III (Dr. Sonia)	Hosp. Pharmacy (Mr. Ramakrishna)	Clini.Toxicology (Dr. Anju)	N	Biopharmaceutics B-II (Dr. Manjula)
THU	Clini.Toxicology (Dr. Anju)	Clinical Pharmacy (Dr. Ramanath)	Biostatistics (Dr.Gangaboraiah)	C	Ph'cotherapeutics III (Dr. Sonia)
FRI	Ph'therapeutics III (Dr. Sonia)	Clinical Pharmacy (Dr. Ramanath)	Bioph'ceutics I (Dr. Josephine)	H	Clinical Pharmacy (Dr. Ramanath)
SAT	Guest Lecture / Webinar/ Remedial Class				

Class room no. 1.07

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

PRINCIPAL

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: V Pharm. D

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30	1.30 to 3.30
MON	CPTDM (Mr. Ramakrishna)	Clini. Research (Dr. Ramanath)	---	Journal Club (Mrs. Sheena & Dr.Chinju)
TUE	Epidemiology (Dr. Anju)	CPTDM (Mr. Ramakrishna)	Clinical Research (Dr. Ramanath)	--
WED	Clinical Research (Dr. Ramanath)	--	--	Clerkship Mrs. Sheena
THU	Epidemiology (Dr. Chinju)	--	--	--
FRI	--	--	--	**1.30-2.30** Epidemiology (Dr. Chinju)
SAT	Guest Lecture / Webinar			--

Class room no. 1.09

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

PRINCIPAL

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm - 2nd Semester

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30- 4.30
MON	HAP (Mrs. Akshata)	Biochem (Mrs. Anita)	POC- I (Dr.Kalpana)	L	POC I B- I (Dr. Kalpana) Biochem B-IV (Mrs. Anita)
TUE	Pathophysiology (Dr. Prashant)	Biochem (Mrs. Anita)	HAP (Mrs. Akshata)	U	POC I B- II (Dr. Kalpana) Biochem B-II (Mrs. Anita) HAP B-I (Mrs. Akshata)
WED	Biochem (Mrs. Anita)	POC- I (Dr.Kalpana)	Pathophysiology (Dr. Prashant)	N	Biochem B-III (Mrs. Anita) HAP B-IV (Mrs. Akshata)
THU	POC- I (Dr.Kalpana)	Pathophysiology (Dr. Prashant)	HAP (Mrs. Akshata)	C	POC I B- III (Dr. Gnanaruba) Biochem B-I (Mrs. Anita) HAP B-II (Mrs. Akshata)
FRI	HAP B-III (Mrs. Akshata) POC I B- IV (Dr. Gnanaruba)			H	1.30-3.30 EVS (Mrs. Sindhu)
SAT	9.30-11.00 am Computer application (Th) (Dr. Solomon)	11.00-1.00 pm Computer Application (Pr) (Dr. Solomon)			

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

DrCLASS: B.Pharm - 3rd Semester

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30- 4.30		
MON	Phy ph'ceutics I (Ms. Seema)	Ph'Org.Chem II (Dr.Kalpana)	Ph'Microbiology (Dr. Rohidas)	L	Phy ph'ceutics I Ph'Engineering Ph'Microbiology Ph'Org. Chem II	B-I B-II B-III B-IV	(New staff) (Mrs. Shravya) (Dr. Rohidas) (Dr. Kalpana)
TUE	Ph'Engineering (Mrs. Shravya)	Ph'Microbiology (Dr. Rohidas)	Ph'Org.Chem II (Dr.Kalpana)	U	Phy ph'ceutics I Ph'Engineering Ph'Microbiology Ph'Org. Chem II	B-II B-III B-IV B-I	(New staff) (Mrs. Shravya) (Dr. Rohidas) (Dr. Kalpana)
WED	Phy ph'ceutics I (New staff)	Ph'Engineering (Mrs. Shravya)	Ph'Microbiology (Dr. Rohidas)	N	Phy ph'ceutics I Ph'Engineering Ph'Org. Chem II	B-III B-IV B-II	(New staff) (Mrs. Shravya) (Dr. Kalpana)
THU	---	Phy ph'ceutics I (New staff)	Ph'Org.Chem II (Dr.Kalpana)	C	Phy ph'ceutics I Ph'Microbiology Ph'Org. Chem II	B-IV B-I B-III	(New staff) (Dr. Bincy) (Mrs. Rekha)
FRI	Phy. Ph'ceutics (Dr. Manjula)	Tutorials (Ph'Org chem)	Remedial Class	H	Ph'Engineering Ph'Microbiology	B-I B-II	(New staff) (Dr. Bincy)
SAT	Tutorials (Ph'Microbiology)	Tutorials (Ph'Engineering)	Ph'Engineering (Mrs. Shravya)				

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm4th Semester

Day	9.30 – 12.30 PM		1.30-2.30	2.30-3.30	3.30-4.30
MON	Med chemistry B – I (Dr. Sonal) Phy.Ph'ceutics B – II (Mrs. Ashwini) Ph'cology B-III (Dr. Prashant) Ph'cognosy B-IV (Dr. Bincy)	L	Phy.phceutics (Mrs. Ashwini)	Ph'Org.Chem III (Dr.Sonal)	Med Chem I (Dr.Gnanaruba)
TUE	Med chemistry B – II (Dr. Sonal) Phy.Ph'ceutics B – III (Mrs. Ashwini) Ph'cognosy B-I (Dr. Bincy)	U	Med Chem I (Dr.Gnanaruba)	Ph'Org.Chem III (Dr.Sonal)	Remedial class
WED	Med chemistry B – III (Dr. Sonal) Phy.Ph'ceutics B – IV (Mrs. Ashwini) Ph'cology B-I (Mrs. Jincy) Ph'cognosy B-II (Dr. Bincy)	N	Ph'cognosy (Dr.Bincy)	Ph'cology (Mrs. Jincy)	Phy.phceutics (Mrs. Ashwini)
THU	Remedial Class 11.30-12.30 Med Chem I (Dr.Gnanaruba)	C	Phy.phceutics (Mrs. Ashwini)	Ph'cognosy (Dr.Bincy)	Ph'cology (Mrs. Jincy)
FRI	Ph'cology B-IV (Mrs. Jincy)	H	Ph'Org.Chem III (Dr.Sonal)	Ph'cology (Mrs. Jincy)	Ph'cognosy (Dr.Bincy)
SAT	Med chemistry B – IV (Dr. Kalpana) Phy.Ph'ceutics B – I (Mrs. Ashwini) Ph'cognosy B-III (Dr. Bincy) Ph'cology B-II (Mrs. Jincy)		---		

Class room ; Nursing Building 4 th floor

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm - 4th Semester (Odd batch)

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30- 4.30
MON	Pharmacognosy (Dr. Sivakami)	Medicinal Chemistry I (Dr. Gnana Ruba)	Pharmacology (Mrs. Akshata)	L	---
TUE	Physical Ph'ceutics II (Dr. Manjula)	Pharmacology (Mrs. Akshata)	Remedial Class	U	Pharmacology (Mrs. Akshata)
WED	Ph'Organic Chemistry III (Dr. Sonal)	---	Physical Pharmaceutics II (Ms. Seema)	N	Ph'cognosy (Dr. Bincy)
THU	Medicinal chemistry I (Dr. Gnana Ruba)	Ph'Organic Chemistry III (Dr. Sonal)	Pharmacognosy (Dr. Shanaz)	C	Med. Chemistry I (Dr. MGR Priya)
FRI	Physical Ph'ceutics II (New staff)	Medicinal chemistry I (Dr. Gnana Ruba)	Pharmacology (Mrs. Akshata)	H	Phy Ph'ceutics (Dr. Manjula)
SAT	Ph'cognosy (Dr. Bincy)	Ph'Organic Chemistry III (Dr. Sonal)	---		

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm - 5th Semester(ODD BATCH)

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30 -4.30	
MON	Remedial class			L	Form. Pharmacy (Ms. Seema)	
TUE	Ph'Cognosy (Dr.Shivakami)	Form. Pharmacy (Ms. Seema)	Ph'cology (Mrs. Akshata)	U	Ph'cology (Mrs. Akshata)	
WED	Remedial Class	Ph'cology (Mrs. Akshata)	Ph'Juris (Mrs.Sheena)	N	1.30 – 2.30 Med. Chem II (Mrs. Rekha)	2.30-3.30 Ph'Cognosy (Dr.Shivakami)
THU	Form. Pharmacy (Ms. Seema)	Ph'Cognosy (Dr. Rohidas)	Ph'Juris (Mrs. Sheena)	C	Ph'cognosy (Dr.Shivakami)	
FRI	Ph'Juris (Mrs Sheena)	Med. Chem II (Mrs. Rekha)	Ph'cology (Mrs. Akshata)	H	1.30 – 2.30 Ph'Cognosy (Dr.Shivakami)	
SAT	Med. Chem II (Mrs. Rekha)	Form. Pharmacy (Ms. Seema)	Remedial class			

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm - 5th Semester

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30 -4.30
MON	Ph'cology (Mrs. Jincy)	M.C-II (Mrs. Rekha)	Ph'Juris (Dr. Chinju)	L	Form. Pharmacy B-I (Mrs.Suma) Ph'cology B-II (Mrs. Jincy)
TUE	Ph'Cognosy (Dr. Bincy)	M.C-II (Mrs. Rekha)	Form. Pharmacy (Ms. Seema)	U	Form. Pharmacy B-II (Mrs.Suma)
WED	Ph'cology (Mrs. Jincy)	Ph'Cognosy (Dr. Bincy)	Ph'Juris (Dr. Chinju)	N	Form. Pharmacy B-III (Mrs.Suma) Ph'cology B-IV (Mrs. Jincy) Ph'cognosy B-I (Dr. Shanaz)
THU	M.C-II (Mrs. Rekha)	Form. Pharmacy (Ms Suma)	Ph'Cognosy (Dr. Bincy)	C	Form. Pharmacy B-IV (Mrs.Suma) Ph'cology B-III (Mrs. Jincy) Ph'cognosy B-II (Dr. Shanaz)
FRI	Form. Pharmacy (Ms. Suma)	Ph'Juris (Dr. Chinju)	Ph'cology (Mrs. Jincy)	H	Ph'cology B-I (New staff) Ph'cognosy B-III (Dr. Sivakami)
SAT	Pharmacognosy Remedial Class	B – IV (Dr. Sivakami)			

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

PRINCIPAL

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm6th Semester

Day	9.30 – 12.30 PM				1.30 -2.30	2.30-3.30	3.30-4.30
MON	Med chemistry III Ph'cology Herbal Tech.	B – I B-II B-III	(Mrs. Rekha) (New staff) (Dr. Sivakami)	L	Med Chem III (Mrs. Rekha)	Bioph'ceutics (Mrs.Shravya)	Biotech (Dr.Shivakami)
TUE	Med chemistry III Ph'cology Herbal Tech.	B –II B-III B-IV	(Mrs. Rekha) (New staff) (Dr. Shanaz)	U	Biotech (Dr.Bincy)	Med Chem III (Mrs. Rekha)	Quality Assurance (Mrs. Ashwini)
WED	Med chemistry III Ph'cology Herbal Tech.	B-III B-IV B-I	(Mrs. Rekha) (New staff) (Dr. Sivakami)	N	Herbal Drug Tech (Dr. Shanaz)	Bioph'ceutics (Mrs.Shravya)	Ph'cology (New staff)
THU	Med chemistry III Ph'cology Herbal Tech.	B –IV B-I B-II	(Mrs. Rekha) (New staff) (Dr. Shanaz)	C	Bioph'ceutics (Mrs.Shravya)	Herbal Drug Tech (Dr. Shanaz)	Quality Assurance (Mrs. Ashwini)
FRI	Remedial class		11.30 Ph'cology (New staff)	H	Med Chem III (Mrs. Rekha)	Quality Assurance (Mrs. Ashwini)	Herbal Drug Tech (Dr. Shanaz)
SAT	Ph'cology (New staff)	Biotech (Mrs Rekha)	--		---		

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm - 7TH Semester

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30 - 4.30
MON	Inst. Method of Analysis (Dr. Sonal)		Pharmacy Practice (Mrs. Sheena)	L	Instru. Analysis B – I (Dr. Sonal)
TUE	NDDS (Mrs.Suma)	Inst. Method of analysis (Dr. Sonal)	Pharmacy Practice (Mrs. Sheena)	U	Instru. Analysis B – II (Dr. Gnanaruba)
WED	NDDS (Mrs. Suma)	Remedial Class	NDDS (Mrs. Suma)	N	Instru. Analysis B – III (Dr. Sonal) Practice school
THU	Pharmacy Practice (Mrs. Sheena)	Ind Pharmacy (Mrs. Shravya)	---	C	Instru. Analysis B – IV (Dr. Sonal) Practice school
FRI	Ind Pharmacy (Mrs. Shravya)	Inst. Method of Analysis (Dr. Sonal)	---	H	Practice school
SAT	Ind Pharmacy (Mrs. Shravya)	Practice School			--

Note: Practice school is conducted as per student list published

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

PRINCIPAL

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: B.Pharm 8th Semester

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		1.30 to 4.30	
MON	Research Methodology (Mrs. Radha)	S P P (Dr. Sonia)	Cell Biology (Dr.Rohidas) Cosmetic Science (Ms.Seema)	L	1.30-2.30 Herbal Std. (Dr.Bincy)	PROJECT WORK
TUE	Ph'Mrktg.(Mrs Rekha)	Research Methodology (Mrs. Radha)	Expt. Ph'cology (Dr.Geetha)	U	PROJECT WORK	
WED	Research Methodology (Mrs. Radha)	Cell Biology (Dr.Rohidas)	Adv.Instr.Tech (Dr.Prema) Cosmetic Science (Ms.Seema) Exp.Ph'cology(Dr.Geetha)	N	PROJECT WORK	
THU	S P P (Dr. Sonia)	Herbal Std (Dr.Bincy) Cell Biology (Dr.Rohidas)	Cosmetic Science (Ms.Seema) CADD (Dr.Sonal) Neutraceuticals (Dr.Sivakami) Exp.Ph'cology(Dr.Geetha)	C	PROJECT WORK	
FRI	Remedial class	Adv.Inst. tech (Dr.Prema) Ph'Mrktg.(Mrs Rekha) Neutraceuticals (Dr.Sivakami)	CADD (Dr. Sonal) Herbal Std. (Dr.Bincy)	H	PROJECT WORK	
SAT	CADD (Dr.Sonal) Ph'Mrktg.(Mrs Rekha)	S P P(Dr. Sonia)	Adv.Inst. tech. (New staff) Neutraceuticals (Dr.Sivakami)			

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

PRINCIPAL

Dayananda Sagar University Bengaluru

College of Pharmaceutical Sciences

Kumaraswamy Layout, Bengaluru -78

TIME TABLE 2021-22

CLASS: I Pharm. D

Day	9.30 to 10.30	10.30 to 11.30	11.30 to 12.30		2.00 to 5.00 pm
MON	Med Biochemistry (Newstaff)	Ph'InorgChem (Dr. V Murugan)	HAP (Mrs. Jincy)		HAP B – II (Mrs. Jincy) PIC B – I (Dr. Murugan)
TUE	Ph'Org. chemistry (Dr. Kalpana)	Ph'ceutics (Dr. Josephine)	HAP (Mrs. Jincy)		HAP B – I (Mrs. Jincy) Biochemistry B – II (New staff)
WED	Indian const. (Mrs. Anusuya)	Ph'ceutics (Dr. Josephine)	Ph'Orgchem (Dr. Kalpana)		PIC B – I (Mrs.Anita) Ph'ceutics B – II (Ms Seema)
THU	HAP (Mrs. Jincy)	Ph'InorgChem (Mrs. Anita)	English (Mrs.MeenaArun)		Ph'ceutics B – I (Ms Seema) POC I B- II (Dr. Kalpana)
FRI	Intro. Maths	Med Biochemistry (Newstaff)	Ph'Orgchem (Dr. Kalpana)		POC I B- I (Dr. Kalpana) Biochemistry B – I (New staff)
SAT	Med Biochemistry (New staff)	Ph'Inorg. Chem (Dr. V Murugan)	Intro. Maths		--

Class room :1.09

PRINCIPAL

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Pharmacotherapeutics. S. Nithish

Osteoporosis.

Class Test

1) Write the management for osteoporosis.

Ans: Osteoporosis is a bone disorder characterized by low bone density impaired bone architecture & compromised bone strength predisposing to fracture.

* Treatment goals of osteoporosis.

To reduce bone loss.

To prevent Disability of bone.

To normalize / control pain.

To minimize risk factor

To prevent further complication.

* Non-pharmacological Treatment

- A well balanced diet with sufficient Calcium and Vitamin D.
- Calcium contributes like milk, yogurt, ice cream and products should be included in the regular diet.
- Vitamin D contributors like fatty fish has to be taken / can be included in the diet.
- major contributor of Vitamin D is from the skin during sun exposure.
- Excessive alcohol consumption should be
- Aerobic physical activity on regular
- Caffine intake decreases bone mineral density (BMD)

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

2) pharmacological treatment:

- Anti-resorptive Therapy.

1) Calcium Supplementation:

- Calcium intake is necessary for the prevention of secondary hyperparathyroidism and bone destruction when taken in adequate amounts

- Calcium increases bone mineral density, but it does not completely prevent to fracture.

- Calcium Carbonate is the salt often used commonly as it contains the highest concentration of elemental calcium around 40%, and is cost effective & should be taken along with meals for enhanced absorption.

- Calcium Citrate has fewer GI effects and is not necessarily to be taken along with meal.

- Tricalcium phosphate contains 38% of Calcium, but from Calcium-phosphate complexes.

- Adverse reactions are constipation and upset stomach

3) Vitamin-D Supplementation:

- Vitamin D supplementation helps to maximizes the intestinal Calcium levels and BMD; Thus reduces fracture and falls.

- Supplements are provided daily non prescription Vitamin D3 products

- given monthly, weekly, or quarterly and used for replacement and maintenance therapy.

3.) Bis

- Bi

pyrophospho

- The

maturation

number

← It

→ Alendr

indicated

osteopor

→ IV

Osteoporo

→ There

effects.

→ Oral

bcz of

→ 30

Pharmac

→ Rove

4. Mixed

-

antagoni

3) Bisphosphonates:

- Bisphosphonates inhibit the activity of pyrophosphate, a bone resorption inhibitor.

- Thus, BP acts by inhibiting the osteoclast maturation and as a result decreasing osteoclast number and life span.

- It provides higher BMD and fracture risk is low

→ Alendronate, Risedronate and IV. Zoledronic acid are utilized for postmenopausal, men and Drug induced osteoporosis.

→ IV and Oral Ibandronate are indicated for postmenopausal osteoporosis.

→ These should be taken carefully to minimize GIT effects.

→ Oral tablet should be taken early morning with atleast 1 glass of water (plain) at least 30 minutes before meal.

→ 30 minutes after alendronate and 1 hour after Ibandronate.

Rare adverse reactions → Osteonecrosis of jaw and Atypical fractures.

. Mixed Estrogen Agonists / Antagonist:

- Raloxifene is an Estrogen agonist on bone but antagonist on breast and uterus.

1. Write the Pathophysiology and Pharmacological management of asthma.

=> Pathophysiology of Asthma :-

Exposure
~~Expose~~ to stimuli / allergen triggers produced a cascade of immune-mediate events leading to chronic inflammation

↓

Elevated levels of Th2 cells in the airways release specific cytokines.

↓

promote esopholilic inflammation and IgE

↓

IgE production in return, triggers the release of inflammation mediators.

↓

causing bronchospam inflammation increased.

↓

~~vasodilator and inflammation~~
Exprose to stimuli / allergen.

↓

Production of IgE

↓

Release vasoconstriction and

PRINCIPAL
...ge of Pharmaceutical Sciences
...nanda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

migration of phagocytic cells

↓

Phagocytosis

↓

Relese of basic lytic enzyme

↓

fustner inflammation of asthma.

increased mucus secretio

↓

airways narrowed and ~~constri~~ obstructed.

↓

~~Management of As~~

Pharmacological management of Asthma :-

For treatment Asthma :-

i) β_2 - agonist

ii) corticosteroid.

iii) ~~A~~Anticonergic

i) B2-agonist :-

Short-acting B2-agonist most effective in Asthma.

Short-acting B2-agonis (SABA) Aerol Albeutalol ases used for relifes the acute severe asthma.

Two long acting B2 (LABA) Formoterol, and Salmeterol ase Provided for broncodilator.

ii) corticosteroid :-

Inhaled corticosteroid basically Prefered for long term asthma. They ase show as only low risk of dying asthma.

iii) Anticonllergic :- Ipratropium bromide and Tiotropium bromide act as anti conllergic for relife smooth muscle but not as B2-agonist.

iv) methylaxides :- It is used as nonselect Phosphe diesterase enzyme inhibitor. It must be taken by orally or IV. For methylaxid some adverse effect is there, like nausea, vomiting, etc.

v) Leukotriene modifiers :-

Zafirlukast and montelukast are oral leukotriene modifiers. It is leukotriene receptor agonists reduce inflammatory and bronchoconstrictions effect.

vi) Omalizumab :- It is a antibody (IgE). It's approved for allergic asthma not well controled by oral or Inhaled corticosteroid. Because of high cost few patient taken and it is used at uncontrolled high risk.



Pharmacotherapeutics

SHILPI BERA
HSC20PD0019

1. What is MODY and LADA?

=> MODY:- MODY means maturity onset diabetes of the young and was given that name in the past because it acted more like adult type of diabetes but it found in young people.

LADA:- LADA means Latent autoimmune diabetes in adults. it is also known as "late-onset" diabetes. most adults diagonsed with Lada are older than 30 years.

2. What is Honeymoon Phase in Diabetes?

=> The Honeymoon Phase amongst people with type 1 diabetes refers to the period of time shortly following diabetes diagnosis. when pancreas is still able to produce a significant enough amount of insulin to reduce insulin needs and blood glucose control. Blood glucose level may even return to normal levels during the honeymoon phase.

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Meer Mehdi Abbas
2nd Pharm.D
HSC20PD0010

URBAN EDGE

Assignment

Diabetes Mellitus

1) What is MODY and LADA?

MODY stands for maturity onset Diabetes of the young. MO is a rare form of diabetes which is different from both type 1 & type 2 diabetes, and runs strongly in families.

- MODY is caused by a mutation in single gene. If the parent has this gene mutation, any child they have will have 50% Chance of inheriting it from them.
- People who have MODY do not necessarily need insulin

→ Latent autoimmune diabetes in adults (LADA) is a slow progressing form of autoimmune diabetes.

→ LADA occurs because the pancreas stops producing adequate insulin, most likely from some "insult" that slowly damages the insulin producing cells in the pancreas.

→ people who have LADA are generally over age 30.

→ LADA can be managed by controlling blood Sugar with diet, losing weight, Exercise and possibly oral medication.

2) What is honeymoon phase in diabetes?

People diagnosed with type 1 diabetes have a period of time when their remaining beta cells can pump out enough insulin to control their blood Sugar. This is known as the honeymoon phase. While it lasts, the person may not need

to take as much as insulin.

3) what is basal-bolus insulin regimen?

A basal-bolus routine involves taking a dosage of long insulin form to keep blood glucose levels stable throughout periods of fasting and separate injections of shorter acting insulin to prevent rises in blood glucose levels resulting from meals. Basal insulin will either be long-acting insulin or intermediate insulin & bolus insulin will be a short acting insulin or rapid acting insulin

3. What is basal - bolus insulin regimen?

=> Basal insulin is injected once per day and ensures there is insulin in the body at all time.

Bolus insulin is rapid acting and given before each main meal. This dose is matched to the amount of carbohydrate that is eaten. It can be injected 3-4 times per day.

PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078. India

Hosur Main Road, Kudlu Gate, Bangalore - 560 068.

ATTENDANCE REGISTER

SCHOOL OF ....Pharmaceutical sciences

YEAR ....2021 - 2022

Kalpana
for Principal
PRINCIPAL
College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru - 560 078.

Name of Staff : ....Shravya Lakshmi S.

Semester / Branch : ....VI th sem

Subject : ....Biopharmaceutics

Section : ....

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks I	II	III	Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56						
	1SG19PH 0001	Abhishek Chaudhary	A	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	20	21	22	23			05	12		
	02	Abud Rasool	P	2	3	3	4	5	6	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	20	21	22	23			07	10		
	03	Aiman	1	1	1	2	3	4	5	5	5	6	7	8	9	9	9	9	10	11	12	13	14	15	15	16	17	18	18	19			07	13		
	04	Akshay	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	19	20	21	22	23	24	25	26			09	17		
	05	Anita	1	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	19	19	20	21	21	22			05	14		
	06	Arnab	1	1	1	2	3	4	4	5	6	6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	19	19	20	21			08	10		
	07	Ayman	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22	23	23	23	24	25			05	16		
	08	Azra	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22	23	24					90	10		
	09	Balaji	0	1	2	3	3	3	3	4	4	5	6	7	7	8	8	9	9	10	11	12	13	14	15	15	16	16	17	18				10		
	10	Bakir	0	1	2	3	4	4	5	6	7	8	9	10	11	11	11	12	13	13	14	15	16	17	18	19	19	20	20				08			
	11	Brithika	0	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			10	18		
	12	Charitha	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	21	22	23	24	25	26			10	18		
	13	Chiranjit	0	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	19	20	21	22			07	16		
	14	Dakshatha	1	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	19	20	21	22	23	24			09	16		
	15	Deepika	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14	14	14	14	14	15	16	17	17	18	18	19	20	21			09	17		

Initials of Staff

Name of the Staff Member ..... Semester ..... Subject .....

| Sl. No. | USN No. | NAMES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | Total No. of days | % of Attendance | I 'A' Marks I | II | III | Final I.A. Marks |
|---|---|---

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member ..... Semester ..... Subject .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks			Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56			I	II	III	
	91																																08	10		
	hsc20pit 1001	Rajil VP																															03			
	hsc20pit 1002	Yashwanth																															09	05		
	hsc18pit 0006	Ahmed Hasan Abdala Yusen																															05	09		
	0013	Dorr Yusen																															04	10		
	30	Gosai																															09	10		
	33	Harshitha																																10		
	64	Sabath																															05	10		
	38	Uday Kumar V																															07	10		

Ministry of Education
Government of India

राष्ट्रीय परीक्षा एजेंसी
National Testing Agency

GRADUATE PHARMACY APTITUDE TEST (GPAT)-2022

NTA SCORE CARD

Application No.	220210021375	**Roll No.**	KK04000386	
Candidate's Name	REDDI SREE R			
Mother's Name	REDDI RANI K			
Father's Name	RADHA KRISHNA M A			
Category	GENERAL	**Person with Benchmark Disability(PwBD)**	NO	
Gender	FEMALE	**Date of Birth**	21-05-2001	
State of Residence	KARNATAKA	**Nationality**	INDIAN	

Score

218A5FF2024B06ADDD220A9A5AA88F6C

Marks obtained	Max Marks	NTA Score	All India Rank	Validity of Score
156	500	97.2222222	1404	Three Years
Marks Obtained in words	One Hundred Fifty Six Only			
NTA Score in Words	Ninety Seven point Two Two Two Two Two Two Two Only			

Result: QUALIFIED

Category wise Cut-off Qualifying Marks:

	Unreserved (UR)	GEN-EWS	Other Backward Class (OBC-NCL)	Scheduled Caste (SC)	Scheduled Tribe (ST)
Cut-off Marks	316-148	147-122	147-120	147-94	146-75

Dated : 20.05.2022

Senior Director, NTA

Important Instructions

1. **A National Merit Ranking (All India Rank) has been arrived based on the Marks secured against Total Marks.**
   i. Student having same Score shall be listed in a chronological (ascending) order as per their date of birth.
   ii. Candidates having same score would be given the same Merit, and the Merit number would be increased by the same number i.e. if there are two candidates at Merit 2, Merit 3 would not be awarded to the next candidate but Merit 4 would be given.
2. The admission authorities are advised to use score awarded to the students for allotment of seat in the AICTE approved programs along with the other criteria that may exist, as applicable.
3. Candidate's particulars including Category and Person with benchmark Disability(PwBD) have been indicated as mentioned by the candidate in the online application form.
4. **Instances of incorrect information provided by the candidates, if detected at any stage, would make the candidate liable for disqualification.**
5. The responsibility of verifying the category of the candidate for ascertaining eligibility of admission and award of scholarship finalies with the admitting institute.
6. **Qualifying in GPAT-2022 does not guarantee any automatic entitlement for admission to P.G.programmes nor AICTE assistance under P.G.programmes.**
7. **Any dispute concerning GPAT- 2022 would be subject to Jurisdiction of the competent courts within the territorial jurisdiction of New Delhi only.**

Ministry of Education

PRINT

GRADUATE PHARMACY APTITUDE TEST (GPAT)-2022
NTA SCORE CARD

Application No.	220210056715	Roll No.	8000000435
Candidate's Name	MANJULA H N		
Mother's Name	CHANDRAMMA		
Father's Name	NARAYANASWAMY		
Category	OBC-NCL	Person with Benchmark Disability(PwBD)	NO
Gender	FEMALE	Date of Birth	26-03-2001
State of Residence	KARNATAKA	Nationality	INDIAN



E871F2BF0C0E992508652754937464313

Score

Marks obtained	Max Marks	NTA Score	All India Rank	Validity of Score
153	500	99.9954407	1564	Three Years

Marks Obtained in words: One Hundred Fifty Three Only

NTA Score in Words: Ninety Six point Nine Zero Five Four Four Zero Seven Only

Result: QUALIFIED

Category wise Cut-off Qualifying Marks:

	Unreserved (UR)	GEN-EWS	Other Backward Class (OBC-NCL)	Scheduled Caste (SC)	Scheduled Tribe (ST)
Cut-off Marks	316-140	147-122	147-120	147-93	146-75

1 / 2

(for principal)

College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout,
Bengaluru- 560 078.

Ministry of Education
Government of India

राष्ट्रीय परीक्षा एजेंसी
National Testing Agency

GRADUATE PHARMACY APTITUDE TEST (GPAT)-2022

NTA SCORE CARD

Application No.	220210031147	**Roll No.**	KK04000246	
Candidate's Name	RAKSHITHA.S			
Mother's Name	USHA.M			
Father's Name	SADASHIVA.K			
Category	OBC-NCL	**Person with Benchmark Disability(PwBD)**	NO	
Gender	FEMALE	**Date of Birth**	23-11-2000	
State of Residence	KARNATAKA	**Nationality**	INDIAN	

Score

03C8FBCAC722453D9A60DA7344ED9534

Marks obtained	**Max Marks**	**NTA Score**	**All India Rank**	**Validity of Score**
139	500	94.8285420	2613	Three Years
Marks Obtained in words	One Hundred Thirty Nine Only			
NTA Score in Words	Ninety Four point Eight Two Eight Five Four Two Zero Only			

Result: QUALIFIED

Category wise Cut-off Qualifying Marks:

	Unreserved (UR)	**GEN-EWS**	**Other Backward Class (OBC-NCL)**	**Scheduled Caste (SC)**	**Scheduled Tribe (ST)**
Cut-off Marks	316-148	147-122	147-120	147-94	146-75

Dated : 20.05.2022

PRINCIPAL
Dayananda Sagar College of Pharmaceutical Sciences
Dayananda Sagar University
Kumaraswamy Layout
Bengaluru-560 078.

Senior Director, NTA

Important Instructions

1. **A National Merit Ranking (All India Rank) has been arrived based on the Marks secured against Total Marks.**
   i. Student having same Score shall be listed in achronological (ascending) order as per their date of birth.
   ii. Candidates having same score would be given the same Merit, and the Merit number would be increased by the same number i.e. if there are two candidates at Merit 2, Merit 3 would not be awarded to the next candidate but Merit 4 would be given.
2. The admission authorities are advised to use score awarded to the students for allotment of seat in the AICTE approved programs along with the other criteria that may exist, as applicable.
3. Candidate's particulars including Category and Person with benchmark Disability(PwBD) have been indicated as mentioned by the candidate in the online application form.
4. **Instances of incorrect information provided by the candidates, if detected at any stage, would make the candidate liable for disqualification.**
5. The responsibility of verifying the category of the candidate for ascertaining eligibility of admission and award of scholarship finalies with the admitting institute.

6. Qualifying in GPAT-2022 does not guarantee any automatic entitlement for admission to P.G.programmes nor AICTE assistance under P.G.programmes.
7. Any dispute concerning GPAT- 2022 would be subject to Jurisdiction of the competent courts within the territorial jurisdiction of New Delhi only.

6:06 31%
about_blank.PDF

Ministry of Education

GRADUATE PHARMACY APTITUDE TEST (GPAT)-2022

NTA SCORE CARD

Application No.	220230020705	Roll No.	KED1003491	
Candidate's Name	APEKSHA K HEGDE			
Mother's Name	ARCHANA K S			
Father's Name	KRISHNA MURTHY I S			
Category	OBC-NCL	Person with Benchmark Disability(PwBD)	NO	
Gender	FEMALE	Date of Birth	26-07-2001	
State of Residence	KARNATAKA	Nationality	INDIAN	

Score

5909F051D212GFAEC799C90C881B2F9C

Marks obtained	Max Marks	NTA Score	All India Rank	Validity of Score
139	300	91.8284150	2613	Three Years
Marks Obtained in words	One Hundred Thirty Nine Only			
NTA Score in Words	Ninety Point Eight Two Eight Five Four Two Zero Only			

Result: QUALIFIED

Category wise Cut-off Qualifying Marks:

	Unreserved (UR)	GEN-EWS	Other Backward Class (OBC-NCL)	Scheduled Caste (SC)	Scheduled Tribe (ST)
Cut-off Marks	138-136	135-122	142-120	117-91	116-75

Dated : 20.05.2022

Senior Director, NTA

Important Instructions

1. A National Merit Ranking (All India Rank) has been arrived based on the Marks secured against Total Marks.
   a. Student having same Score shall be listed in a chronological (ascending) order as per their date of birth.
   b. Candidates having same score would be given the same Merit, and the Merit number would be increased by the same number i.e. if there are two candidates at Merit 2, Merit 3 would not be awarded to the next candidate but Merit 4 would be given.
2. The admission authorities are advised to use score awarded to the students for allotment of seat in the AICTE approved programs along with the other criteria that may exist, as applicable.
3. Candidates particulars including Category and Person with Benchmark Disability(PwBD) have been indicated as mentioned by the candidate in the online application form.
4. **Instances of incorrect information provided by the candidates, if detected at any stage, would make the candidate liable for disqualification.**
5. The responsibility of verifying the category of the candidate for ascertaining eligibility of admission and award of scholarship lies with the admitting institute.
6. **Qualifying in GPAT-2022 does not guarantee any automatic entitlement for admission to P.G.programmes nor AICTE assistance under P.G programmes.**
7. **Any dispute concerning GPAT- 2022 would be subject to Jurisdiction of the competent courts within the territorial jurisdiction of New Delhi only.**

Kalpana
for principal
PRINCIPAL
College of Pharmaceutical Sciences
Ananda Sagar University
Yelahanka, Bangalore-560 099.

Ministry of Education
Government of India

राष्ट्रीय परीक्षा एजेंसी
National Testing Agency

GRADUATE PHARMACY APTITUDE TEST (GPAT)-2022

NTA SCORE CARD

Application No.	220210007088	Roll No.	KK04000105
Candidate's Name	S AMESHA		
Mother's Name	ANJANA S		
Father's Name	SHANTHILAL M		
Category	GENERAL	Person with Benchmark Disability(PwBD)	NO
Gender	FEMALE	Date of Birth	29-12-2000
State of Residence	TAMIL NADU	Nationality	INDIAN



Score

9D1BDDF25702C266A23C53220B910E4D

Marks obtained	Max Marks	NTA Score	All India Rank	Validity of Score
198	500	99.4436525	282	Three Years
Marks Obtained in words	One Hundred Ninety Eight Only			
NTA Score in Words	Ninety Nine point Four Four Three Six Five Two Five Only			

Result: QUALIFIED

Category wise Cut-off Qualifying Marks:

	Unreserved (UR)	GEN-EWS	Other Backward Class (OBC-NCL)	Scheduled Caste (SC)	Scheduled Tribe (ST)
Cut-off Marks	316-148	147-122	147-120	147-94	146-75

Dated : 20.05.2022

Senior Director, NTA

Important Instructions

1. **A National Merit Ranking (All India Rank) has been arrived based on the Marks secured against Total Marks.**
   i. Student having same Score shall be listed in a chronological (ascending) order as per their date of birth.
   ii. Candidates having same score would be given the same Merit, and the Merit number would be increased by the same number i.e. if there are two candidates at Merit 2, Merit 3 would not be awarded to the next candidate but Merit 4 would be given.
2. The admission authorities are advised to use score awarded to the students for allotment of seat in the AICTE approved programs along with the other criteria that may exist, as applicable.
3. Candidate's particulars including Category and Person with benchmark Disability(PwBD) have been indicated as mentioned by the candidate in the online application form.
4. **Instances of incorrect information provided by the candidates, if detected at any stage, would make the candidate liable for disqualification.**
5. The responsibility of verifying the category of the candidate for ascertaining eligibility of admission and award of scholarship finalies with the admitting institute.
6. **Qualifying in GPAT-2022 does not guarantee any automatic entitlement for admission to P.G.programmes nor AICTE assistance under P.G.programmes.**
7. **Any dispute concerning GPAT- 2022 would be subject to Jurisdiction of the competent courts within the territorial jurisdiction of New Delhi only.**

for Principal

Dayananda Sagar University Bengaluru

COLLEGE OF PHYSIOTHERAPY
SCHOOL OF HEALTH SCIENCES
Shivaji Maharaj Nagar
Kumaraswamy Layout
Bangalore- 560078

IMPROVEMENT LIST- 1ST YEAR

BIOCEMISTRY

NAME	USN NO.	1st INTERNAL MARKS	2ND INTERNAL MARKS	STATUS
AKANKSHA GIRI	HSC21PT003	15	22	IMPROVED
JAWALKAR TEJASWINI AJAY	HSC21PT0013	16	22	IMPROVED
MOULYA D V	HSC21PT0024	20	33	IMPROVED
SRISOUJANYA H ADIGOPULA	HSC21PT0039	29	31	IMPROVED

KINESIOLOGY

NAME	USN NO.	1st INTERNAL MARKS	2ND INTERNAL MARKS	STATUS
NIDHI NAVEEN SATYAPPANAVAR	HSC21PT0027	17	29.5	IMPROVED
SAMIKSHA RAJESH GAVNEKAR	HSC21PT0033	38	41	IMPROVED
SONUNE PRATIK KAILAS	HSC21PT0038	19	26	IMPROVED
YADAV ROSHNI SATYA PRAKASH	HSC21PT0045	23	32.5	IMPROVED
PRANAV KRISHNA	HSC21PT0046	7	26	IMPROVED
RAGUNANDAN R	HSC21PT0048	16.5	26	IMPROVED

PRINCIPAL
College of Physiotherapy
Dayananda Sagar University
Bangalore 560 078

ANATOMY

NAME	USN NO.	1st INTERNAL MARKS	2ND INTERNAL MARKS	STATUS
DEEKSHA DEV	HSC21PT008	4	25	IMPROVED
MEPHER KRYPANG NONGPHUD	HSC21PT0023	23	27	IMPROVED
NIDHI NAVEEN SATYAPPANAVAR	HSC21PT0027	21	26	IMPROVED
SINGH KRITIKA RANJENDRA CHHAYA	HSC21PT0037	22	26	IMPROVED
SAWANT NIKHIL NAMDEV	HSC21PT0035	37	43	IMPROVED
SRISOUJANYA H ADIGOPULA	HSC21PT0039	35	40	IMPROVED
TAVVA OBUL SAI DHARANESWAR REDDY	HSC21PT0042	21	25	IMPROVED
YADAV ROSHNI SATYA PRAKASH	HSC21PT0045	17	40	IMPROVED

PHYSIOLOGY

NAME	USN NO.	1st INTERNAL MARKS	2ND INTERNAL MARKS	STATUS
A MANASWINI	HSC21PT001	23	33	IMPROVED
B THANUSHREE DEVESH	HSC21PT006	19	27	IMPROVED
DEEKSHA DEV	HSC21PT008	20	27	IMPROVED
FOUZIYA P	HSC21PT10	37	45	IMPROVED
JAWALKAR TEJASWINI AJAY	HSC21PT0013	24	33	IMPROVED
MANISHA J V	HSC21PT0021	23	41	IMPROVED
MENTA ROHITH	HSC21PT0022	20	38	IMPROVED
MOULYA D V	HSC21PT0024	35	40	IMPROVED
NIDHI NAVEEN SATYAPPANAVAR	HSC21PT0027	13	29	IMPROVED

Dayananda Sagar University Bengaluru

COLLEGE OF PHYSIOTHERAPY
SCHOOL OF HEALTH SCIENCES
Shavige Malleshshwara Hills
Kumaraswamy Layout
Bangalore- 560078

IMPROVEMENT LIST- 2ND YEAR

ELECTROTHERAPY

NAME	USN	1ST INTERNAL MARKS	2ND INTERNAL MARKS	IMPROVEMENT STATUS
AARYUSHI DEV	HSC20PT0001	18	22	IMPROVED
AKHIL RAM K	HSC20PT0003	28	31	IMPROVED
BABU K S	HSC20PT0012	10	20	IMPROVED
DIMPLE SOUPARNIKA S	HSC20PT0019	10	21	IMPROVED
HUMERA SULTANA	HSC20PT0021	24	32	IMPROVED
MONICA R	HSC20PT0029	12	21	IMPROVED
NIRANJANA S H	HSC20PT0037	12	20	IMPROVED
SONY V	HSC20PT0056	23	30	IMPROVED
SPURTHI B GOWDA	HSC20PT0058	16	28	IMPROVED
AFSHAN	HSC19PT0003	18	20	IMPROVED
SHAIK MOHAMMED SIRAJ	HSC19PT0050	10	20	IMPROVED
SHIFA B A	HSC19PT0052	17	20	IMPROVED
SWARNA M	HSC19PT0060	8	20	IMPROVED
SYED FARIS	HSC19PT0061	8	21	IMPROVED
TANHA FIZA	HSC19PT0062	15	20	IMPROVED

EXERCISE THERAPY

NAME	USN	1ST INTERNAL MARKS	2ND INTERNAL MARKS	IMPROVEMENT STATUS
AARYUSHI DEV	HSC20PT0001	17	25	IMPROVED
BABU K S	HSC20PT0012	12	20	IMPROVED
DARSHAN M	HSC20PT0017	18	20	IMPROVED
MONICA R	HSC20PT0029	14	26	IMPROVED

PAVITHRA M	HSC20PT0041	19	33	IMPROVED
RACHITHA S	HSC20PT0043	21	29	IMPROVED
RUMANA M YARAGUDI	HSC20PT0047	19	28	IMPROVED
SAKSHI	HSC20PT0049	15	26	IMPROVED
SHREYAS V	HSC20PT0052	14	20	IMPROVED
SMRITI RAO T	HSC20PT0053	27	30	IMPROVED
SONALI	HSC20PT0054	12	24	IMPROVED
AFSHAN	HSC19PT0003	15	21	IMPROVED

PATHOLOGY

NAME	USN	1ST INTERNAL MARKS	2ND INTERNAL MARKS	IMPROVEMENT STATUS
AMRITHA T KATARIA	HSC20PT0005	9	10	IMPROVED
ISRA SHARIFF	HSC20PT0022	5	14	IMPROVED
MUSKAN KHAN	HSC20PT0032	4	13	IMPROVED
PRIYANKA S	HSC20PT0042	1	11	IMPROVED
SMRITI RAO T	HSC20PT0053	14	18	IMPROVED

MICROBIOLOGY

NAME	USN	1ST INTERNAL MARKS	2ND INTERNAL MARKS	IMPROVEMENT STATUS
BABU K S	HSC20PT0011	5	11	IMPROVED
BORKAR SHRIRAJ SANJAY	HSC20PT0012	8	12	IMPROVED
RACHITHA S	HSC20PT0043	5	12	IMPROVED
RAJLAKSHMI DEB	HSC20PT0044	6	13	IMPROVED
SATHVIKA B	HSC20PT0051	6	13	IMPROVED
SONY V	HSC20PT0056	9	10	IMPROVED
SUMITHA T G	HSC20PT0059	6	10	IMPROVED
JEEVITHA R	HSC19PT0025	5	13	IMPROVED

Dayananda Sagar University Bengaluru

COLLEGE OF PHYSIOTHERAPY
SCHOOL OF HEALTH SCIENCES
Shavige Malleshshwara Hills
Kumaraswamy Layout
Bangalore- 560078

IMPROVEMENT LIST 3RD YEAR

17PT303

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
PRIYANKA KULKARNI	HSC17PT0028	14	20	IMPROVED
CHANDANA C	HSC18PT0015	17	20	IMPROVED
HARSHITHA TK	HSC18PT0024	14	20	IMPROVED
ABHILASHA VASHISHTH	HSC19PT0001	25	30	IMPROVED
AMRUTHA A	HSC19PT0007	17	21	IMPROVED
GULAM RAISH	HSC19PT0019	18	20	IMPROVED
LOHITH R	HSC19PT0031	16	21	IMPROVED
NUPUR	HSC19PT0036	16	20	IMPROVED
PUNEETH U	HSC19PT0042	18	24	IMPROVED
RIYA	HSC19PT0045	17	21	IMPROVED
SHRADDHA ANUP KUMAR	HSC19PT0053	16	20	IMPROVED
YASHWANTH KUMAR	HSC19PT0067	16	20	IMPROVED

17PT301

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
PRIYANKA KULKARNI	HSC17PT0028	14	22	IMPROVED
HARSHITHA TK	HSC18PT0024	18	20	IMPROVED
ABHILASHA VASHISHTH	HSC19PT0001	24	30	IMPROVED
DHEERAV PRAVEEN	HSC19PT0015	19	27	IMPROVED
DIVYASREE M	HSC19PT0016	21	31	IMPROVED
HARSHITHA N	HSC19PT0021	17	20	IMPROVED
LOHITH R	HSC19PT0031	12	20	IMPROVED

MANJARIKA R	HSC19PT0032	15	27	IMPROVED
MANJIRI PATIL	HSC19PT0033	17	25	IMPROVED
NOOR SANA	HSC19PT0035	15	24	IMPROVED
NUPUR	HSC19PT0036	19	23	IMPROVED
PUNEETH U	HSC19PT0042	17	21	IMPROVED
RACHANA R	HSC19PT0043	18	26	IMPROVED
SHRIKRUTI S RAO	HSC19PT0054	18	23	IMPROVED
SUSHMITHA M K	HSC19PT0058	18	25	IMPROVED
YASHWANTH KUMAR	HSC19PT0067	12	22	IMPROVED

17PT304

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
PRIYANKA KULKARNI	HSC17PT0028	15	22	IMPROVED
AMRUTHA A	HSC19PT0007	19	27	IMPROVED
MANJARIKA R	HSC19PT0032	19	24	IMPROVED
MANJIRI PATIL	HSC19PT0033	19	22	IMPROVED
NOOR SANA	HSC19PT0035	19	23	IMPROVED
NUPUR	HSC19PT0036	19	20	IMPROVED
SHRIKRUTI S RAO	HSC19PT0054	16	20	IMPROVED
TEJASWINI S KUDACHIMAT	HSC19PT0063	19	23	IMPROVED
YASHWANTH KUMAR	HSC19PT0067	20	23	IMPROVED

PT NEURO

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
JYOTHSNA V	HSC16PT011	17	20	IMPROVED
MD AKRAM	HSC16PT017	10	22	IMPROVED
DEEKSHA G	HSC18PT0018	15	22	IMPROVED

NEUROLOGY & NEUROSURGERY

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
MD AKRAM	HSC16PT017	19	20	IMPROVED
B BHARATHI	HSC17PT0007	28	30	IMPROVED
SHAKTISHREE RAMKUMAR RAYKAR	HSC18PT0044	25	33	IMPROVED
SHASHANK S G	HSC18PT0045	28	30	IMPROVED
SYEDA SHAISTA NAZ	HSC18PT0051	29	31	IMPROVED
VIDYA K	HSC18PT0054	28	33	IMPROVED
YAMINI G	HSC18PT0055	27	30	IMPROVED

RESEARCH & BIOSTATICS

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
SHRI GANGA KABADI	HSC17PT0038	14	21	IMPROVED
DEEKSHA G	HSC18PT0018	18	22	IMPROVED
SHREYA V NADIG	HSC18PT0046	13	24	IMPROVED
TEJASWINI G	HSC18PT0053	29	30	IMPROVED

Dayananda Sagar University Bengaluru

COLLEGE OF PHYSIOTHERAPY
SCHOOL OF HEALTH SCIENCES
Shavige Malleshshwara Hills
Kumaraswamy Layout
Bangalore- 560078

IMPROVEMENT LIST- 4TH YEAR

CBR

NAME	USN	1st INTERNAL MARKS	2nd INTERNAL MARKS	IMPROVEMENT STATUS
ASFIYA AZMI	HSC16PT003	12.5	21	IMPROVED
ESHA GIRISH TELDHUNE	HSC16PT006	18.5	20.5	IMPROVED
JYOTHSNA V	HSC16PT011	10.5	18.5	
MD AKRAM	HSC16PT017	8	24	IMPROVED
TSERING DOLMA	HSC16PT038	17	24	IMPROVED
KOUSHIK J	HSC17PT0020	6	11.5	IMPROVED
SHRI GANGA KABADI	HSC17PT0038	16.5	20.5	IMPROVED
THULASI K V	HSC17PT0044	15.5	23.5	IMPROVED
AALIYAA IMRAN	HSC18PT0002	19.5	23	IMPROVED
ASHNA ACHARYA	HSC18PT0010	12	21	IMPROVED
DEEKSHA G	HSC18PT0018	14	21.5	IMPROVED
GLENN LEMUEL	HSC18PT0021	18	24	IMPROVED
HAFSA KHATOON	HSC18PT0022	17	20	IMPROVED
NITHIN N	HSC18PT0038	15	26	IMPROVED
SHAKTISHREE RAMKUMAR RAYKAR	HSC18PT0044	17	20.5	IMPROVED

PRINCIPAL
College of Physiotherapy
Dayananda Sagar University
Bangalore 560 078

Year: 2021-2022

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of Computer Science Engineering

Year: 2021-2022

Date	Events conducted
5th-6th March 2022	Introduction to Network simulation (NS3) workshop
26th March 2022	Hack-Zone 22
7th – 9th May 2022	Workshop on React Js
3rd June 2022	ProjectExpo2K22

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of ComputerScience and Engineering

Year 2021-2022

2nd Year Toppers list

ENG20CS0056	BHAGYALAXMI N KULKARNI	9.8
ENG20CS0258	PRAJWAL J	9.8
ENG20CS0098	FAIZA MALEEHA	9.7
ENG20CS0326	SEJAL ELIZABETH	9.5
ENG20CS0360	SRUSHTI B YALGUDRI	9.5
ENG20CS0335	SHERMEEN ULFAT	9.5
ENG20CS0349	SHUBHANGI MITTAL	9.5
ENG20CS0379	TAMANNA VERMA	9.5
ENG20CS0171	LAKSHITHA S	9.4
ENG20CS0243	P PRITHVI REDDY	9.4
ENG20CS0197	MISHIKA JAIN	9.4
ENG20CS0030	ANCHAL SINGH	9.4
ENG20CS0348	SHRINIDHI NYAK	9.4
ENG20CS0026	AMOGH M CHELUVARAJ	9.3
ENG20CS0043	ASHMITA NEOG	9.3
ENG20CS0345	SHREYA S	9.3
ENG20CS0260	PRAKRUTHI R	9.3
ENG20CS0308	SAI SHREENIDHI SATISH	9.3
ENG20CS0023	ALAN JOSHY THOMAS	9.3
ENG20CS0157	KIRAN THOMAS V	9.3
ENG20CS0332	SHAREEBA N	9.3
ENG20CS0145	KARTHIK	9.2
ENG20CS0046	AWANTIKA KUMARI GUPTA	9.2
ENG20CS0356	SOWMYA M KALSHETTI	9.2
ENG20CS0128	JAGRUTI N ANCHALKAR	9.2
ENG20CS0209	MONICA MAHESH	9.2
ENG20CS0302	S NIVEDHA	9.2
ENG20CS0158	KISHEN VIVEL MASCARENHAS	9.1
ENG20CS0387	TUVVISHREE N	9.1
ENG20CY0013	Krishnapriya Lokanatha	9.1
ENG20CS0296	ROOPA SHREE N	9.1
ENG20CS0120	ISHA M	9.1
ENG20CS0283	RASHMI H A	9.1
ENG20CS0286	RAVI SHANKAR V	9.1
ENG20AM0024	Gopika Jayadev	9.1
ENG21AM3013	KARTHIK K PAI	9.1
ENG20CS0089	DEESHA A S	9.0
ENG20CS0148	KAVUTURI CHAKRADHAR NAID	9.0
ENG20CS0191	MANOJ M	9.0

ENG20AM0031	Ivan Reni Varghese	9.0
ENG20CS0119	INESHRAO	9.0
ENG20CS0400	VANDANA W M	9.0
ENG20CS0151	KEERTHANYAA N	9.0
ENG20CS0303	S P HRITHIKA	9.0
ENG20CS0371	SUMUKH SANKARSHANA M	9.0
ENG20CS0427	VATSAL PANKAJBHAI SORATHIY	9.0
ENG20CS0069	CHANAKSHA A M	9.0
ENG20CS0358	SRIRAKSHA P	9.0
ENG20CS0033	ANKITA SINGH	8.9
ENG20CS0392	ULINDALA VENKATA NIKHIL KU	8.9
ENG20CS0032	ANKIT PRASAD	8.9
ENG20CS0053	BASANT NARAYAN	8.9
ENG20CS0239	NUMA FATHIMA	8.9
ENG20CS0288	REETHIKA A	8.9
ENG20AM0023	Gaurav Kamath	8.9
ENG20AM0041	N U HARSHA TEJAS	8.9
ENG20CS0076	CHETHAN YADAV B	8.9
ENG20CS0199	MOHAMMAD TOFIQ A	8.9
ENG20CS0262	PRANAV PADAKI	8.9
ENG20CS0073	CHANDRASHEKAR SARASETTI	8.9
ENG20CS0090	DHANUSH E	8.9
ENG20CS0105	GEETIKA MEHTA	8.9
ENG20CS0282	RAQEEB N	8.9
ENG20CS0318	SANIYA FATHIMA	8.9
ENG20CS0007	ABHISHEK S SHETTY	8.9
ENG20CS0224	NANDITHA M	8.9
ENG20CS0297	RUBY SEHER	8.9
ENG20CS0312	SAMIKSHA JAIN	8.9
ENG20CS0104	GAUTHAMI C S	8.9
ENG20CS0184	MAITRA MAHALINGAPPA NINC	8.9
ENG20CS0404	VASUDEVA HEDGE	8.8
ENG20CS0099	G JAHNAVI	8.8
ENG20CS0193	MANVI SINGH	8.8
ENG20DS0002	Abhiruchi S Bharambe	8.8
ENG20CS0330	SHARADHI B	8.8
ENG20CS0004	ABHISHEK H	8.8
ENG20CS0188	MANJU ELSA JOSH	8.8
ENG20CS0278	RAKSHATH U SHETTY	8.8
ENG20CS0350	SHWETHA V REDDY	8.8
ENG20DS0015	Dhanusha R	8.8
ENG20AM0063	YASH MAHESH NARULE	8.7
ENG21AM3030	S NIVEDHA	8.6
ENG20AM0027	Hari Pradha P	8.6
ENG20AM0044	RAGHAV NANJAPPAN	8.5
ENG20AM0045	RAYE HAARIKA	8.5

ENG20CY0020	Nachiketh Bhatt	8.5
ENG20CY0043	Vaishnav	8.5
ENG20CY0004	Aishwarya Kulkarni	8.5

3rd Year

ENG19CS0221	PAVITRA ANKESH	9.39
ENG19CS0006	ABHAY V R	9.13
ENG19CS0076	CHETHAN RAO S	9.13
ENG19CS0029	AMISHA ASRANI	9.08
ENG19CS0265	RUPAM SHIL	8.96
ENG19CS0334	TEJAAL M	8.95
ENG19CS0249	RAKSHITHA V	8.89
ENG19CS0125	JANANI JAYASHANKAR	8.88
ENG19CS0210	NITHYA S	8.87
ENG19CS0023	AKSHAY V R	8.84
ENG19CS0038	ANUSHA T	8.84
ENG19CS0348	VAINAVI M DAVASAM	8.82
ENG19CS0031	ANANYA B R	8.82
ENG19CS0011	ABHISHEK KRISHNA T M	8.78
ENG19CS0062	YASH BELSARE	8.78
ENG19CS0229	PRARTHANA G	8.77
ENG19CS0149	KUMUDA KANATTI	8.73
ENG19CS0017	AISHWARYA GANGYADA	8.73
ENG19CS0312	SNAVYA SAI M B	8.73
ENG19CS0063	BHARATH A	8.73
ENG19CS0137	KASHISH VERMA	8.71
ENG19CS0030	AMOOLYA S	8.71
ENG19CS0270	SABEEHA TABASSUM	8.69
ENG19CS0009	ABHIJEET KUMAR	8.68
ENG19CS0231	PRASHASTHI K KANCHAN	8.64
ENG19CS0123	ISHIKA GIROTI	8.64
ENG19CS0188	MOURYA B D	8.63
ENG19CS0332	TANIA GIRISH	8.63
ENG19CS0361	VIKRAM S	8.62
ENG19CS0039	ANUSHREE MITRA	8.60
ENG19CS0128	JEEVAN KUMAR A DAS	8.59
ENG19CS0205	NETI SAHITHI	8.58
ENG19CS0019	AKASH BAGCHI	8.56
ENG19CS0082	DEEKSHA Y D	8.55
ENG19CS0020	AKHILA	8.50
ENG19CS0186	MOHAMMED TAHEER	8.50
ENG19CS0328	SWAGNIKK BHATTACHARYA	8.50

4th Year

ENG18CS0105	GAYATHRI DEVI NAGALAPURA	9.4
ENG18CS0179	MYTHRI J L	9.2

ENG18CS0230	RIYA SAVANT	9.2
ENG18CS0307	VAISHNAVI A PUNAGIN	9.1
ENG18CS0310	VANSIKA SINGH	9.1
ENG18CS0082	DAVIN S THOMAS	9.0
ENG18CS0098	ELWIN THOMAS	9.0
ENG18CS0047	ARUN KUMAR	9.0
ENG18CS0066	CHAITHRA K	9.0
ENG18CS0060	BINISH ZEHRA RIZVI	8.9
ENG18CS0007	AANCHAL JAIN JAIN	8.9
ENG18CS0294	SYED SHAHABAAZ AHMED	8.9
ENG18CS0185	NAVEEN A	8.9
ENG18CS0292	SUSHMITHA G	8.9
ENG18CS0005	A SOUMI NARAYANI	8.9
ENG18CS0208	PAVITHRA H A	8.8
ENG18CS0314	VARUN MENON	8.8
ENG18CS0072	CHELLASAMI SHRADA	8.8
ENG19CS1009	NITHYA SHREE V	8.8
ENG18CS0010	ABHILASHA M S	8.8
ENG18CS0042	ANUSHA M	8.8
ENG18CS0147	LALITH SAGAR J	8.8
ENG18CS0207	PAVANA M	8.7
ENG18CS0189	NEHA TIWARI	8.7
ENG18CS0222	RAHUL NORONHA	8.7
ENG18CS0176	MUSFIRAH SUHA	8.7
ENG18CS0111	HAASINI THUMBAVANAM SRI	8.7
ENG18CS0062	C D KARTHIK	8.7
ENG18CS0250	SATISH HERAKAL	8.7
ENG18CS0253	SHAKTHI PRIYA	8.7
ENG18CS0170	MOHAMMED MAAZ AHMED K	8.6
ENG18CS0046	ARPITHA VENKATESHPRASAD	8.6
ENG18CS0041	ANUSHA J	8.6
ENG18CS0313	VARSHINI S A	8.6
ENG18CS0155	MAHATI KULKARNI	8.6
ENG18CS0300	THIMMAREDDYGARI JAGADEE	8.5

2/9/21

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road
BANGALORE - 560 068

DAYANANDA SAGAR UNIVERSITY

Dayananda Sagar Institutions founded in the 60s by one such visionary, Late Shri R Dayananda Sagar committed to take knowledge to the people, transforms today's students into responsible citizens and professional leaders of tomorrow. Dayananda Sagar University created by an Act of the Karnataka State in 2014, built on this adorable legacy and inspired by its own milestones, meeting the needs of quality higher education in this part of the world.

Inspired by Innovators - Research, Innovation and Incubation (spread over 25,000 sqft of industry quality labs) form the core of DSU. So, it isn't surprising that DSU has taken the next logical step: Laying the foundation to transform the entrepreneurial dream of every young Indian and global citizen into a reality. Enabling this transformation is the active support of industry leaders, industry bodies and a dedicated 4 lakh square feet modern ready-to-move-in infrastructure!

ABOUT THE DEPARTMENT

The Computer Science & Engineering department creates the most favorable technology ecosystem for quality academic and research-oriented undergraduate education in computing sciences and ain the students for a globalized technological orld by leading them across dual-career paths to serve the society. The mission of department is to advance the frontiers of technology start-ups and offer students a dual-career path for fostering collaborative and multi-disciplinary practices.

The Computer Science and Engineering department actively involves in research & development. It has good collaborations with several industries, academic institutes and research & development organizations. The mission of the department is to develop student's breadth of knowledge across the subject areas of computer science, including their ability to apply the defining processes of computer science theory, abstraction, design, and implementation to solve problems in the discipline and across industry domains. It offers under graduate, post graduate and doctoral programs. The department maintains a strong relationship with industry partners. Many students are benefitting with industry linked internship.

Dayananda Sagar University Bengaluru

Dayananda Sagar University

School of Engineering

Department of Computer Science & Engineering

Kudlu Gate, Hosur Main Road, Bengaluru – 560068



Conveners : **Dr. A. Srinivas,**
Dean SoE, DSU

Dr. Girisha G S
Chairman CSE, DSU

Organizers : **Dr. RenukaDevi M N**
Prof. Krishna Sowjanya K
Prof. Pooja

For Any Queries Email To:
Dr. RenukaDevi M N
(renukadevi.m-cse@dsu.edu.in)
Prof. Krishna Sowjanya K
(ksowjanya-cse@dsu.edu.in)
Prof. Pooja
(poojagoud-cse@dsu.edu.in)

Two-Days Online Workshop

On

"Introduction to Network Simulation (NS3)"

5th March 2022- 6th March-2022

Organized by
Department of Computer Science & Engineering
Dayananda Sagar University

ABOUT THE NS3 WORKSHOP

- Workshop helps us to understand and create point-to-point, wireless, CSMA, etc. connections between nodes.
- Focusing on structure of C++ programs and execution of NS3 scripts in command line.
- Understanding wireless routing protocol using NS3.

  To analyse and study the performance of Ethernet LAN, ESS, GSM, CDMA on NS3.

OBJECTIVES

- To understand the software architecture of NS3
- To understand network construction using NS3
- To simulate the vital routing protocols using NS3
- To understand tracing and logging for debugging the NS3 programs
- To compute statistics and validate the simulation output.

1) **Dr. Nagaraj M. Lutimath,**
Associate Professor, East Point College of Engineering and Technology, in Information Science and Engineering.

2) **Maria Navin J R,**
Assistant Professor, Sri Venkateshwara College of Engineering, Vidya Nagar, Bangalore.,

REGISTRATION

To Register

https://forms.gle/nhAnYepC9Lxi83w46

Registration is free.

E- Certificate will be provided on completion of Workshop

5th March 2022	
9:30am - 12:00pm	Installation and Explanation of architecture of NS3.
1:30pm – 3:30pm	Network Simulation using NetAnim and Execution of Client Server Program.
6th March 2022	
9:30am – 12:00pm	Simulation using NS3.
1:30pm – 3:30pm	Implementing Ethernet LAN, ESS, GSM, CDMA on NS3.

For Research scholars, students and Faculties
Meeting link
meet.google.com/bxo-uerk-wew

DAYANANDA SAGAR UNIVERSITY

Registation Form of NS3

Timestamp	NAME	USN	EMAIL	DESIGNATION
2/23/2022 15:35:29	Bhargavi Mokashi	90290	bhargavi.mokashi@gm	Faculty
2/23/2022 16:25:49	savita vijay	90029	savitavijay-cse@dsu.ed	Faculty
2/23/2022 17:02:20	POOJA	NONE	poojagoud-cse@dsu.ed	Faculty
2/24/2022 0:38:42	MANJULA M	91711	manjulam-cse@dsu.ed	Faculty
2/24/2022 9:18:50	Dr. Monika Goyal	91676	monika.goyal-cse@dsu	Faculty
2/24/2022 9:32:24	Manasa K R	Assistant Profes	manasakr@gmail.com	Faculty
2/24/2022 9:54:08	BINDU MADAVI K P	NA	bindumadavi-cse@dsu	Faculty
2/24/2022 9:54:52	Krishna Sowjanya K	NA	ksowjanya-cse@dsu.ed	Faculty
2/25/2022 14:18:18	Padmageetha BG	19ENGCSPP04	padmageethabg@gma	Faculty
2/27/2022 8:37:01	Dr Mouleeswaran SK	90336	mouleeswaran-cse@ds	Faculty
2/27/2022 11:44:16	Cauvery	90756	cauvery-cse@dsu.edu.	Faculty
2/27/2022 11:56:41	Vidhi keshwani	ENG21AM3016	keshwanividhi00@gma	Student
2/27/2022 12:04:53	Benson T Yohannan	ENG21AM3003	bensonyohannan3802(	Student
2/27/2022 12:11:19	C S JEEVAN	ENG21AM3005	jeevan17122001@gma	Student
2/27/2022 12:19:00	Punith Pechetti	ENG21AM3028	punith.canada@gmail.c	Student
2/27/2022 12:37:47	Kilari sumanth kumar	ENG20AM0064	sumanth.cse20@gmail	Student
2/27/2022 12:56:21	Baidik Ghosh	ENG20AM0015	contactbaidik@gmail.c	Student
2/27/2022 13:01:08	Vikas kn	ENG20CS0411	vikaskncse20@gmail.c	Student
2/27/2022 13:14:33	Vikas Jutlad	ENG20AM0057	vikasjutlad06@gmail.c	Student
2/27/2022 13:22:59	Vengala Venkata Sai S	ENG20CS0406	Sharmili.vengala@gma	Student
2/27/2022 13:30:19	K.S.Srujan	ENG20AM0032	kssrujan8@gmail.com	Student
2/27/2022 13:52:59	AAYUSH GUPTA	ENG20AM0001	aayushgupta.cse20@g	Student
2/27/2022 13:59:34	CHHAYA SURYABHAI	90800	chhaya.s-cse@dsu.edu	Faculty
2/27/2022 14:03:26	Anand	ENG20AM0009	anandkumaranand384(	Student
2/27/2022 14:17:35	Naina Swaroop	ENG20CS0220	nainaswaroop17@gma	Student
2/27/2022 14:39:24	Akash Sharma	ENG20AM0005	akashbest2002@gmail	Student
2/27/2022 15:58:32	Shashidhar G J	ENG20AM0051	shashidhar1817@gma	Student
2/27/2022 16:46:04	VIDYA SAGAR BHARI	ENG20CS0410	vidyasagarb780@gmai	Student
2/27/2022 19:46:49	Ujjwal S	ENG20CS0391	sujjwal1205@gmail.cor	Student
2/27/2022 21:24:11	Keerthana M G	ENG20AM0033	keerthanamg.cse20@g	Student
2/27/2022 21:26:01	Vinod V	ENG20CS0413	vinodvelu5995@gmail.(	Student
2/27/2022 21:26:23	Amrin Taj	ENG21AM3022	amrinbushrataj@gmail.	Student
2/27/2022 23:03:31	K Kusumitha	ENG21AM3011	Kusumitha5503@gmai	Student
2/27/2022 23:13:09	Varun P Shrivathsa	ENG20CS0402	varunpshrivathsa@gma	Student
2/27/2022 23:23:38	KIRAN R	ENG19CS0143	kiranmadhu1238@gma	Student
2/28/2022 1:38:49	Manjunath R	ENG19CS0171	manjubujji07@gmail.cc	Student
2/28/2022 5:47:15	Mary Sony	ENG20CS1011	maryaslan444@gmail.c	Student
2/28/2022 8:03:22	Dr. Savitha Hiremath	-	savitha.h-cse@dsu.edu	Faculty
2/28/2022 9:20:30	Dr. Sandhya Madhuri	---	sandhya-bca@dsu.edu	Faculty
2/28/2022 9:22:46	UDAY KUMAR A	ENG20CS0389	udayanand1584@gma	Student
2/28/2022 10:32:07	Jeramiah T Varghese	Eng21am3010	jeramiah.jerry713@gm	Student
2/28/2022 12:04:34	Trupti Hegde	091710	truptidh-cse@dsu.edu.i	Faculty
2/28/2022 12:10:08	Amruta.B	091709	amrutab-cse@dsu.edu	Faculty
2/28/2022 18:12:10	MEHEK FATHIMA	ENG19CS0177	mehek2k1@gmail.com	Student
2/28/2022 18:36:27	Sindhu mg	ENG20AM0053	eng20am0053sindhum	Student
3/1/2022 9:17:43	Vivek Kumar Mishra	ENG19CS0365	mvivek598@gmail.com	Student
3/1/2022 9:19:16	Srujana V	ENG19CS0320	srujanav24@gmail.com	Student
3/1/2022 9:28:23	Tania Girish	ENG19CS0332	taniagirish03@gmail.cc	Student

3/1/2022 9:30:11	Tenzin Choedon	ENG19CS0337	tenzchoedon11@gmail	Student
3/1/2022 9:35:16	SINDHU SRINIVAS	ENG19CS0310	sindhu142000@gmail.c	Student
3/1/2022 9:37:12	TULASI S R	ENG19CS0340	tulasirama526@gmail.c	Student
3/1/2022 9:45:52	Subhanshu kumar	ENG19CS0321	subhanshuk74@gmail.	Student
3/1/2022 9:54:23	Sinchitha J R	ENG19CS0309	jrsinchitha@gmail.com	Student
3/1/2022 9:57:21	Vasuri Pavan Kumar Y	ENG19CS0356	pavankumaryadavvasu	Student
3/1/2022 10:10:14	TEJAAL M	ENG19CS0334	tejaalrani@gmail.com	Student
3/1/2022 10:14:59	Vaishnavi V G	ENG19CS0350	vaishnavivg2106@gma	Student
3/1/2022 10:15:00	Swetha g	ENG19CS0329	gotlapalliswetha2002@	Student
3/1/2022 10:28:52	Vaishnavi Prasad	ENG19CS0349	vaishnaviprasad56@gr	Student
3/1/2022 10:31:24	Snavya Sai M B	ENG19CS0312	snavyasaimb@gmail.c	Student
3/1/2022 10:32:20	Supritha R	ENG19CS0324	suprithareddy426@gm	Student
3/1/2022 10:58:30	Tanmay Sharma	ENG19CS0333	tanmaysharma231@gr	Student
3/1/2022 12:26:35	Sanush B R	ENG19CS0371	sanushgowda7@gmail	Student
3/1/2022 14:08:06	Tenzin Ngawang	ENG19CS0336	tenwang217@gmail.co	Student
3/1/2022 14:20:20	Sudarshan	ENG20CS0363	sudarshanshetty021@g	Student
3/1/2022 15:19:34	Siddiq	Eng19cs0308	siddiqkhan40@gmail.c	Student
3/1/2022 15:50:47	TAMANNA VERMA	ENG20CS0379	tamanna20025@gmail	Student
3/1/2022 16:56:56	savita vijay	90029	savitavijay-cse@dsu.ec	Faculty
3/1/2022 17:15:06	Samarth M B	ENG20CS0430	byatnalsamarth@gmail	Student
3/1/2022 21:07:26	Suchitra Das	ENG19CS0322	suchitradas931@gmail	Student
3/1/2022 21:23:19	Shrinidhi Nayak	ENG20CS0348	shrinidhinayak08@gma	Student
3/1/2022 22:42:58	VAINAVI M DAVASAM	ENG19CS0348	vainavidavasam@gma	Student
3/2/2022 16:07:39	Mohammed Taheer	ENG19CS0186	mohammedtaheer5242	Student
3/2/2022 16:11:19	N SHAIK SAFI	ENG19CS0195	shaiksafi2001@gmail.c	Student
3/2/2022 16:11:31	Prarthan P	ENG19CS0228	prarthan8@gmail.com	Student
3/2/2022 16:51:04	Krupanka	ENG19EC0052	krupankabpgowda@gn	Student
3/2/2022 16:51:18	Gayathri S	ENG19EC0033	gayathrigayathri49562(	Student
3/2/2022 16:51:31	Manu T	ENG19EC0060	manureddyq55@gmail.	Student
3/2/2022 16:51:52	Pavan C	ENG19EC0067	eng19ec0067.pavanc@	Student
3/2/2022 16:52:00	Praveen Choudhari	ENG19EC0069	praveenchoudhari2019	Student
3/2/2022 16:52:07	Ningesh k	Eng20ec1004	ningesh.9001@gmail.c	Student
3/2/2022 16:52:17	Vaishnavi	ENG19EC0102	bvaishnavi330@gmail.(	Student
3/2/2022 16:52:24	Madan Kumar A	ENG19EC0056	mastermadan111@gm	Student
3/2/2022 16:53:35	Sai Praneeth KMG	ENG19EC0084	eng19ec0084.saiprane	Student
3/2/2022 16:53:36	Harshitha Divakar	ENG19EC0040	harshithadivakar23@gr	Student
3/2/2022 16:54:05	VISHNU SAI YARRAG	ENG19EC0107	vishnusai4503@gmail.(	Student
3/2/2022 16:54:20	S.Kaushik	ENG19EC0081	eng19ec0081.skaushik	Student
3/2/2022 16:54:33	MONICA KS	ENG19EC0063	monicagowdaks2001@	Student
3/2/2022 16:54:33	Soumya b odi	ENG19EC0096	ENG19EC0096.SOUM	Student
3/2/2022 16:54:39	Shubham Kumar Singh	ENG19EC00093	shubhamsingh3319@g	Student
3/2/2022 16:54:41	Ram Pranav	ENG19EC0083	eng19ec0083.svsramp	Student
3/2/2022 16:55:01	Swathi y.v	ENG19EC0099	eng19ec0099.swathiyv	Student
3/2/2022 16:55:23	ARPITHA M	ENG19EC0012	marpupc@gmail.com	Student
3/2/2022 16:56:28	S. Sai mokshith	ENG19EC0085	eng19ec0085.saimoksh	Student
3/2/2022 16:57:46	R Nethravathi	ENG19EC0073	eng19ec0073.rnethrava	Student
3/2/2022 16:58:21	R Adhi Narayanan	ENG19CS0239	adhinarayanan619@gr	Student
3/2/2022 16:58:47	Zafeerah Sameen Sub	ENG19EC0108	eng19ec0108.zafeerah	Student
3/2/2022 17:02:04	N ADARSH	ENG20EC1002	pauladarsh244@gmail.	Student
3/2/2022 17:02:25	jayashree.K	ENG19EC0044	jayshreeram917@gma	Student
3/2/2022 17:03:45	Sneha k	ENG19EC0094	snehakdinesh@gmail.c	Student
3/2/2022 17:04:08	Usha N	ENG19EC0100	eng19ec0100.ushan@(	Student
3/2/2022 17:04:15	BINDU N	ENG19EC0018	bindunibgur@gmail.cor	Student
3/2/2022 17:05:29	Veeresh ml	Eng19ec0106	veereshveer57@gmail.	Student
3/2/2022 17:05:44	Amrutha V	ENG19EC0008	amruthagowda7944@g	Student

3/2/2022 17:06:47	Mohammed Ayman Sh	ENG19CSP182	mohammedayman45@	Student
3/2/2022 17:06:52	ASHWINI S	ENG20EC1001	ashwiniashu200108@g	Student
3/2/2022 17:14:14	Nithya S	ENG19CS0210	nithyasre2002@gmail.c	Student
3/2/2022 17:14:31	Nayana Priya A P	ENG19CS0202	Nayanapriyaap@gmail.	Student
3/2/2022 17:15:29	Akash N	ENG19EC0006	akashnagraj169@gma	Student
3/2/2022 17:19:38	BAHUL DEV M	ENG19EC0015	bahuldev@gmail.com	Student
3/2/2022 17:24:06	Dayananda G T	ENG19EC0027	dayanandagandikote@	Student
3/2/2022 17:24:44	Sharath	ENG19EC0091	poojarisharath21@gma	Student
3/2/2022 17:24:50	R Mokshith	ENG19EC0072	Mokshithr005@gmail.c	Student
3/2/2022 17:27:41	Divyashree H B	Faculty	Divyashree-ece@dsu.e	Faculty
3/2/2022 17:28:11	Mohammed saif	ENG19EC0062	eng19ec0062.mohamn	Student
3/2/2022 17:32:14	Anusha M B	ENG19EC0011	anushamb0411@gmail	Student
3/2/2022 17:36:59	Varshini A	ENG19EC0104	eng19ec0104.varshinia	Student
3/2/2022 17:39:44	Dileep G R	ENG19EC0029	dileepreddy961@gmail	Student
3/2/2022 17:40:08	Revathi R	ENG19EC0080	eng19ec0080.revathir@	Student
3/2/2022 17:40:28	GUDDETI PRIYANKA	ENG19EC0035	eng19ec0035.priyanka	Student
3/2/2022 17:46:27	Sathvika R	ENG19EC0088	Sathvikaravichandran1	Student
3/2/2022 17:49:48	BHARATH S	ENG19EC0016	bharathsrinivas66@gm	Student
3/2/2022 17:50:00	CHANDANA MS	ENG19EC0022	chandana334067@gm	Student
3/2/2022 17:57:07	CHAITHRA A	ENG19EC0019	chaithra.anand77@gm	Student
3/2/2022 17:59:40	Rakshith B S	ENG19EC0077	eng19ec0077.rakshithb	Student
3/2/2022 18:01:55	M V Lavanya	ENG19EC0055	lavanyamvt2000@gma	Student
3/2/2022 18:03:17	Neha.M	ENG19CS0204	neham972001@gmail.(	Student
3/2/2022 18:07:30	Abhilash Francis	ENG19EC0001	abhilashfrancis011@gr	Student
3/2/2022 18:09:02	Rakshitha M	ENG19EC0079	eng19ec0079.rakshitha	Student
3/2/2022 18:12:37	Dinesh.D.M	ENG19EC0030	eng19ec0030.dineshdr	Student
3/2/2022 18:19:42	Yaswanth Medemanuri	ENG19EC0061	yashu.medamanuri@g	Student
3/2/2022 18:22:36	Sahana R	ENG20AM0049	sahanarajarao@gmail.(	Student
3/2/2022 18:23:51	R Parvathy Suresh	ENG19EC0074	eng19ec0074.rparvathy	Student
3/2/2022 18:31:52	P SAI KIREETI	ENG19CS0215	kireeti1431@gmail.com	Student
3/2/2022 18:34:55	Arun kumar M	ENG19EC0013	arunm9985@gmail.cor	Student
3/2/2022 18:57:08	Anna Merine George	090305	annageorge-ece@dsu.	Faculty
3/2/2022 18:57:51	Devika annappa moger	ENG19EC0028	sahanamoger12@gma	Student
3/2/2022 19:04:35	Pallavi R	ENG20EC1006	pallavirec1998@gmail.(	Student
3/2/2022 19:04:48	Nivedhitha Ganehs	ENG19CS0211	eng19cs0211.nivedhith	Student
3/3/2022 15:24:13	Vandan Kumar K	ENG19CS0352	eng19cs0352.vandank	Student
3/3/2022 15:32:39	Swathi M	ENG19EC0098	eng19ec0098.swathim(	Student
3/3/2022 15:33:03	Vaishnavi J	ENG19EC0103	eng19ec0103.vaishnav	Student
3/3/2022 15:34:26	Aditya Sheshadri	ENG19EC0004	adityasheshadri8@gma	Student
3/3/2022 15:34:50	Nithin mp	ENG19EC0065	nithinmp200@gmail.co	Student
3/3/2022 15:35:43	Netravathi y s	ENG19EC0064	eng19ec0064.netravath	Student
3/3/2022 15:35:54	Supriyo Dey	ENG19EC0097	deysupriyo041@gmail.(	Student
3/3/2022 15:36:53	Manoj S Kadakal	ENG19EC0058	Eng19ec0058.manojsk	Student
3/3/2022 15:39:08	Priya G Shastry	ENG19EC0070	eng19ec0070.priyagsh	Student
3/3/2022 15:39:17	Madhushree M	ENG19EC0057	eng19ec0057.madhush	Student
3/3/2022 15:40:00	SHIVAMMA D	091547	shivammad-cse@dsu.e	Faculty
3/3/2022 15:43:04	Darshan P	ENG19EC0026	ranadash02@gmail.cor	Student
3/3/2022 15:43:57	Chetan B O	ENG19EC0024	chetanotageri2001@gr	Student
3/3/2022 15:44:06	Harshitha M Kolur	ENG19EC0041	harshithamk072005@g	Student
3/3/2022 15:44:43	Adithya J	ENG19EC0003	adithyashetty4289@gm	Student
3/3/2022 15:44:45	Chandan gowda R	ENG19EC0021	Chandanrajanna2001@	Student
3/3/2022 15:45:21	Nikhilkumar Kajuluri	ENG19EC0045	nikhilkumarkajuluri@gr	Student
3/3/2022 15:45:38	Karthik Sanjay Nayak	ENG19EC0049	k.knayak088@gmail.co	Student
3/3/2022 15:45:50	Vani ks	ENG20EC1008	vanisswamy290@gmai	Student
3/3/2022 15:46:59	Abhishek V	ENG19EC0002	abhishek30032001@gr	Student

3/3/2022 15:47:13	Nethra V S	ENG20EC1003	nethrasvbn@gmail.com	Student
3/3/2022 15:47:46	Raghavi GC	ENG17EC1006	raghavichandru97@gm	Student
3/3/2022 15:48:31	KARTHIK LAKSHMIKA	ENG19EC0047	karthiklk12122000@gn	Student
3/3/2022 15:48:31	Gurusheelan S	ENG19EC0036	gurusheelan9819@gm	Student
3/3/2022 15:51:40	Pranaam P	ENG19EC0068	pranaamapt@gmail.co	Student
3/3/2022 16:12:08	Ananya Sankolli	ENG19EC0009	ananyasankolli313@gr	Student
3/3/2022 16:13:09	CHANDAN B R	ENG19EC0020	2017ccl2achandanbr@	Student
3/3/2022 16:20:19	Arpitha M	ENG19CS0043	arpithamnaik@gmail.c	Student
3/3/2022 16:29:29	K.sai keerthi	ENG19EC0051	saikeerthi720@gmail.c	Student
3/3/2022 16:32:26	Prajwal Udapudi	ENG20CY0027	prajwaludapudi0@gma	Student
3/3/2022 16:35:48	CB Devaiah	ENG19EC0025	devaiah.100@gmail.co	Student
3/3/2022 16:37:37	Kumar Abhinav	ENG20CY0014	singhkumaraniah@gma	Student
3/3/2022 16:50:27	Shashikala m s	ENG20CT0025	shashikalams2002@gr	Student
3/3/2022 16:53:32	Karthik Ramesh	ENG19EC0048	tikebuster@gmail.com	Student
3/3/2022 16:56:21	Sanmathi C	ENG19EC0086	eng19ec0086.sanmath	Student
3/3/2022 16:57:54	Sharan AN	ENG19EC0090	eng19ec0090.sharan@	Student
3/3/2022 17:00:42	Narmatha	ENG19CS0198	thiyagarajannarmatha@	Student
3/3/2022 17:01:50	Shah mohammed saql	ENG19EC0089	mohammedsaqlain290	Student
3/3/2022 17:02:39	Bhoomika B	ENG19EC0017	bhoomib2001@gmail.c	Student
3/3/2022 17:03:47	Chandra Shekar M	ENG19EC0023	chandunml2001@gma	Student
3/3/2022 17:06:29	V ABHISHEK	ENG19EC0101	vabhishek2222@gmail	Student
3/3/2022 17:07:19	Gopichandan c	ENG19EC0034	gopichandan2211@gm	Student
3/3/2022 17:08:16	Akshay.A	ENG19EC0007	akakshay055@gmail.c	Student
3/3/2022 17:09:14	HARISH P	ENG19EC0039	hiphopharish18@gmail	Student
3/3/2022 17:09:59	S Sharanabasava	ENG19EC0082	eng19ec0082.ssharana	Student
3/3/2022 17:10:51	Kushal veer m	Eng19ec0053	matchakushal18@gma	Student
3/3/2022 17:14:50	Sneha G	ENG19CS0313	sweetysneha226@gma	Student
3/3/2022 17:15:48	HITEESH VARDHAN	ENG19EC0042	hiteeshvardhan8@gma	Student
3/3/2022 17:16:32	Noman Jaffer	ENG20EC1005	noman.jaffer.baig@gm	Student
3/3/2022 17:16:51	Lakshmi v	ENG19EC0054	lakshminaidu473@gma	Student
3/3/2022 17:17:45	Ponnam Pranav Sai	ENG18EC0075	pponnam4@gmail.com	Student
3/3/2022 17:26:20	Gajendra nk	ENG19EC0032	nkgajendra551@gmail.	Student
3/3/2022 17:28:58	Rahul P	ENG20EC1007	rahulrahulp2000@gma	Student
3/3/2022 17:30:18	Aishwarya R	ENG19EC0005	aishwaryarsank07@gm	Student
3/3/2022 17:30:43	Ananyaa.R	ENG19EC0010	ansisters12@gmail.cor	Student
3/3/2022 17:34:58	Rakshitha D	ENG19EC0078	eng19ec0078.rakshitha	Student
3/3/2022 17:40:28	SANTOSH S GUMAST	ENG19EC0087	eng19ec0087.santoshs	Student
3/3/2022 17:42:57	Priya s	ENG19EC0071	eng19ec0071.priyas@g	Student
3/3/2022 17:44:04	Ashwini S	ENG19EC0014	Ashwini.Srenivas@gma	Student
3/3/2022 17:51:11	Daivik	ENG18EC0029	eng18ec0029.daivik@g	Student
3/3/2022 17:58:51	Vedika kirana Kumar	ENG19EC0105	Eng19ec0105.vedikaki	Student
3/3/2022 18:01:05	Hamsa S	ENG19EC0037	hamsadsu@gmail.com	Student
3/3/2022 18:01:08	Keerthana Bhat B N	ENG19EC0050	keerthanabhat612@gm	Student
3/3/2022 18:10:29	Sadhana S	ENG18EC0092	eng18ec0092.sadhana	Student
3/3/2022 18:27:20	Sohan Bandekar	ENG19EC0095	Eng19ec0095.sohanb@	Student
3/3/2022 18:30:31	Harish kumar k	ENG19EC0038	harishkumar99349@gr	Student
3/3/2022 18:34:08	NIVEDHA.P	ENG19EC0066	eng19ec0066.nivedhap	Student
3/3/2022 18:39:15	MANU S R	ENG19EC0059	srmanugowda2001@g	Student
3/3/2022 18:48:25	Shreeya B	ENG19EC0092	eng19ec0092.shreeyab	Student
3/3/2022 19:33:47	Ujjwal Kumar	ENG19CS0342	eng19cs0342ujjwal@g	Student
3/3/2022 19:33:59	Sohan Somaya	ENG19CS0314	sohansomaya@gmail.c	Student
3/3/2022 19:39:18	Suraj Bhadra	ENG19CS0325	surajbhadra18@gmail.	Student
3/3/2022 19:43:07	Shwetha.M	ENG19CS0307	shwethamanjunatha20	Student
3/3/2022 19:57:10	Mourya B D	ENG19CS0188	mouryagowda6@gmail	Student
3/3/2022 20:39:29	Javeriya Afreen	ENG19EC0043	javeriyaafreen186@gm	Student

Dayananda Sagar University

School of Engineering, Innovation Campus, Campus III,
Near Kudlu gate, Hosur Main Road, Bengaluru-68

Department of Computer Science & Engineering

presents

HACK-ZONE '22

An Internal College Hackathon for
Smart India Hackathon '22

• • •

MARCH 26TH 9AM TO 5 PM

Teams must consist of 6 members
Venue : G036, Ground Floor, B Block

Contact :

Faculty Coordinator : Dr. Sindhu Menon 9886234511
Student Coordinators : Mr. Akash 8105070341
Mr. Pulkit 7387455986 Ms. Sahana 9379529999

Think. Code. Innovate.

Internal Hackathon for Smart India Hackathon 2022

Dayananda Sagar University conducted an Internal Hackathon on 26/3/2022. This was the requirement for Smart India Hackathon 2022. A total of 6 teams participated. The event was conducted from 9 AM to 5 PM. The program started by a welcome address by the Dean of Research-Prof. Banga. Later on the chairperson , Dr. Gireesha addressed the students. Vice Chancellor Dr. K.N.Balasubramanya Murthy spoke to the students . There were three Jury members.

1) Dr. Basavaraj Hiremath , Professor, Department of CSE, DSU
2) Dr. GopalSharma Joshi, Professor, Department of CSE, DSU
3) Dr. Bhaskar Venugopal, Professor, Department of CT, DSU



Dr. Gopalsharma Joshi



Dr. Basavaraj Hiremath



Dr. Baskar Venugopal

The details of teams are given below

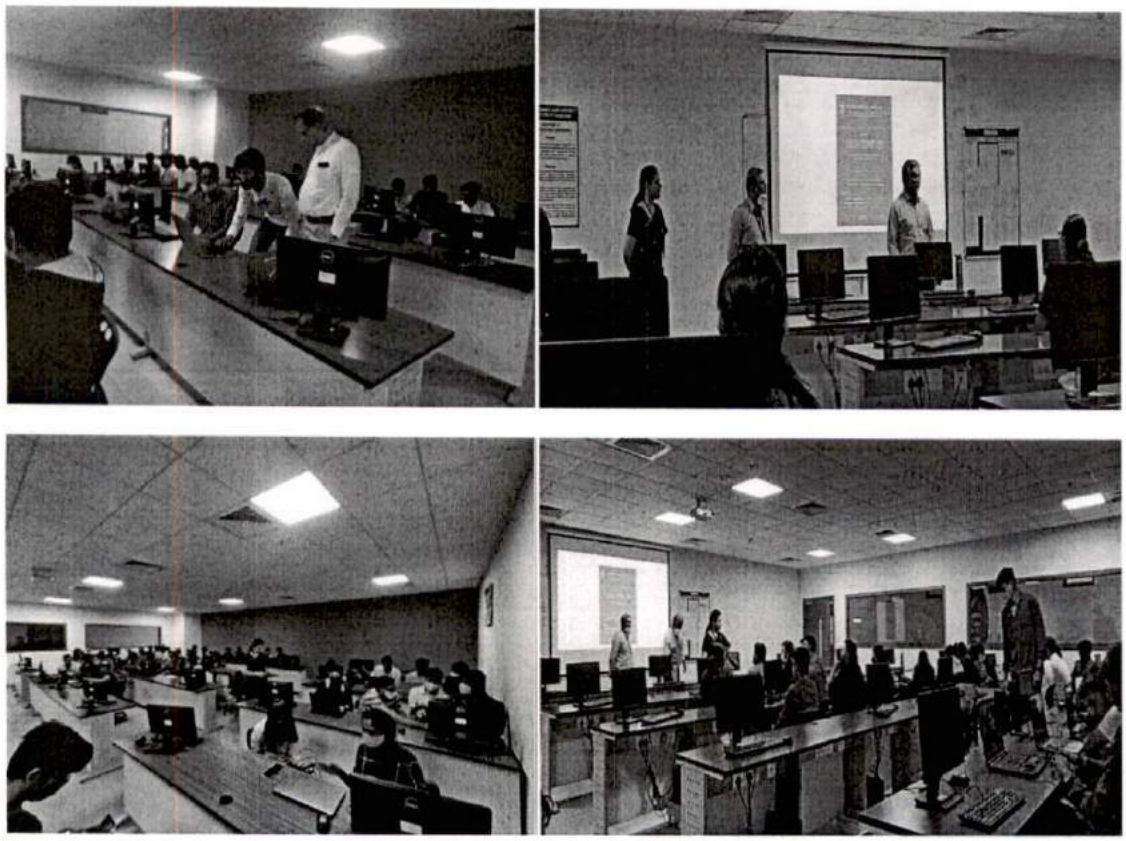
Sl No	Name of Student	Department	Title
1	Venkatesh C L	ME	Design a drone using Autodesk Fusion 360 Software For Surveillance
	Mohan S	ME	
	Karthik S Sastry	ME	
	Siddharth Seetharaman	ME	
	Kunal Singh Virdi	ME	
	Abhiruchi Bharambe	CSE	
2	Syed Abdul Mallik	ME	Median collision prevention system
	Sheetal Dinesh	ME	
	Manohar.R	ME	
	Dhananjay Dabeer	ME	
	Dhanush Koundinya M	ME	
	Vinay V Hanchate	ME	
3	Schenit Paul	ME	Solutions to detect air quality inside the cabin and improve it.
	Zafeerah Sameen Subhani	ECE	
	N.Pruthvinag	ME	
	V.U.Umme Azra	CSE	
	M.V.Lavanya	ECE	
	R Parvathy Suresh	ECE	
4	Karthik K Pai	CSE(AIML)	Smart clothing for coal mine workers
	Ashwin J	ECE	

Proposed Solution

We aim to solve this problem with the help of modern technologies and statistics. We aim at developing a web application that can be used by entrepreneurs to evaluate the feasibility and viability of their ideas and try to suggest possible remedies/solutions on how they can improve their business models and become successful entrepreneurs.

We tend to train a deep learning model based on the historical dataset taking into consideration various factors such as "Entrepreneur background", "Funding", "Entrepreneur Experience", " His Emotional and Business Intelligence", "Team Structure", "Market Entering Time", "Target Audience" etc.

By successfully solving our goal, we can solve the problem of failing startups and increase the success rate by a significant value. Early-stage detection and improvement can save them from failure and closure of the company



Atmospheric pressure-BMP180 (Altitude)
Light Intensity-BH1750
Noise- Sound Detection Sensor Module
Vibration-SW-420

Sensors have been ordered based on priority
The data is now transmitted to the device and then displayed on a dashboard. Realtime warnings are shown to workers using LED indicators if values exceed the threshold.
Embedded in a reflective vest that improves overall visibility of miner.

Table 1. The major health hazards in mines

Agents	Hazards	Conditions
Physical		
High temperature and humidity	Heatstroke; heat cramp; heat exhaustion; lassitude; irritability; collapse; anxiety; lowered morale	Deep underground work
Cold	Frostbite; trenchfoot; aggravated Raynaud's disease	Ground work in winter; high-altitude mines
Sudden variation in temperature	Respiratory diseases; aggravated rheumatism	Moving from hot working areas to cold surface conditions
Change of atmospheric pressure	Bends (joint pain); chokes (chest pain); air embolism; neuralgia; toothache; paranasal sinusitis	Work in deep underground or high altitude mines
Poor lighting	Nystagmus (now rare); loss of visual acuity; giddiness	Face work
Noise	Occupational deafness	Rock drilling; blasting
Vibration	Raynaud's syndrome	Rock drilling
Ionizing radiation	Radiation hazards	Working with radioactive ore
Limited working space	Beat disease (cellulitis and bursitis of joints); dispacement and dislocation of joints	Work in narrow seams and in contorted positions
Accident	Various	Dangerous work both in and out of the pit
Chemical		
Dusts	Pneumoconiosis (silicosis, coal miner's lung, siderosis); induced and aggravated respiratory disease; poisoning by lead, arsenic, mercury, manganese, etc.	Working with mineral dust both in and out of the pit
Poisonous gases; oxygen deficiency	Gas poisoning (CO, CO_2, NO_x, SO_2, methane); anoxia (dyspnoea, dizziness)	Blasting; inadequate ventilation
Mine water	Occupational dermatoses	Underwater work in the pit
Biological		
Parasitic and fungal infections	Ankylostomiasis; sporotrichosis; tinea pedis and/or capitis; leptospirosis (Weil's disease)	Pit work where parasites and fungi grow easily owing to high humidity and poor sanitation

Effectiveness of the Idea:

- Less capital investment
- Maintenance is easier
- Easier to pack up after usage

What is Different or Novelty in your Solution?

- Real time indication as well as data presented in form of dashboard to take corrective or precautionary measures.
- Ensures overall work conditions are improved and increases efficiency. When overall work conditions are improved downtime also reduced.

In total there are three Hardware and three Software Projects. Students were evaluated by experts who have both Industry and academic knowledge. Experts gave their suggestions to the teams. The event ended by a thanking note from the university SPOC, Dr. Sindhu Menon.

You Tube Link : https://youtu.be/9GnZAUCUW3s

Drive Link

https://drive.google.com/drive/folders/1LukBJh9rR1rwZqLTwrzfrUxieBredtCM?usp=sharing

Dayananda Sagar University

Kudlu Gate,Hosur Road,Bengaluru-560068

Department Of Computer Science & Engineering

A Three-day Workshop on

REACTJS

in Association with Full Stack Development Club

on

7th, 8th and 9th May 2022



Resource Person:
Mr. Rizwan Ahmed Shivalli
Senior Software Engineer
HealthPlix Technologies Private Limited
Bengaluru

Convenors:
Dr. A. Srinivas
Dean ,SoE,DSU
Dr. M. K. Banga
Dean-Research, DSU
Dr. Girisha G. S.
Chairman-CSE, DSU

Co-Convenors:
Ms. Gousia Thahniyath
Assistant Professor ,DSU
Ms. Veena M.
Assistant Professor, DSU
Dr. Kiran B. Malagi
Associate Professor,DSU
Ms. Chhaya S. Dule
Assistant Professor, DSU
Dr. Sindhu P. Menon
Professor, DSU
Ms. Debsmita Mishra
Assistant Professor, DSU
Mr. Gaurav Kumar
Assistant Professor, DSU

Objectives:

- **Familiarisation with React JS**
- **Real time application development through ReactJS**
- **Opportunities and challenges of reactJS/Full stack developer**
- **Hands on ReactJS**

DAYANANDA SAGAR UNIVERSITY

Department of Computer Science Engineering

A Three day workshop on Reactjs C Section

Sl.No	USN	Name	7/5/2022	8/5/2022	9/5/2022
1	ENG20CS0157	KIRAN THOMAS V			
2	ENG20CS0158	KISHEN VIVEL MASCARENHAS			
3	ENG20CS0159	KISHORE KUMAR K			
4	ENG20CS0160	KOMAL SARANOBAT			
5	ENG20CS0161	KOMMAREDDY HEMANTHREDDY			
6	ENG20CS0164	KRUTHKA SHIVANAND GOUDA	ABSENT	ABSENT	ABSENT
7	ENG20CS0165	KUMAR ARAYAN	ABSENT	ABSENT	ABSENT
8	ENG20CS0166	KUMARA	AB	AB	AB
9	ENG20CS0167	KUNAL JAISWAL			
10	ENG20CS0168	KUNIKA MATHUR			
11	ENG20CS0169	KUSHAL REDDY H G			
12	ENG20CS0171	LAKSHITHA S	AB	AB	AB
13	ENG20CS0172	LAVANYA			
14	ENG20CS0173	LEELAVATHI N			
15	ENG20CS0174	LIKHITHA H M			
16	ENG20CS0175	LIKITH K	AB	AB	AB
17	ENG20CS0176	M J JERUSHA NAOMI			
18	ENG20CS0178	M L VISHAAL			

38	ENG20CS0200	MOHAMMED ADNAN			
39	ENG20CS0203	MOHAMMED IRFAN			
40	ENG20CS0204	MOHAMMED TAHAIR HUSSAIN			
41	ENG20CS0205	MOHAMMED TANVEER			
42	ENG20CS0208	MOHITH K			
43	ENG20CS0209	MONICA MAHESH			
44	ENG20CS0210	MONISHA S			
45	ENG20CS0211	MONITHIRA C			
46	ENG20CS0212	MOOSA ADNAN			
47	ENG20CS0213	MULAMREDDY HEMANTH REDDY			
48	ENG20CS0214	MUSKAN A			
49	ENG20CS0215	N K SARVOTHAM GOWDA			
50	ENG20CS0216	NADIG GANESH			
51	ENG20CS0217	NAGAPRUTHUIK S			
52	ENG20CS0218	NAGARJUNA T			
53	ENG20CS0219	NAHUSH K S			
54	ENG20CS0220	NAINA SWAROOP	AB	AB	AB
55	ENG20CS0222	NAMRATHA NAYANA J	AB	AB	AB
56	ENG20CS0223	NANCY K			

Dayanand Sagar University
Department of Computer Science and Engineering
School of Engineering, Kudlu Gate, Bangalore 560068
(In association with Full Stack Development Club)
Attendance for the Work Shop
on
"React JS"

D Section

Sl.No.	USN	Name	7/5/2022	8/5/2022	9/5/2022
1	ENG20CS0235	NITHYASHREE V			
2	ENG20CS0238	N MEGHANA			
3	ENG20CS0239	NUMA FATHIMA			
4	ENG20CS0240	OM NANDAGANVAKAR			
5	ENG20CS0241	P DEEPTHI VENKATESH			
6	ENG20CS0243	P PRITHVI REDDY			
7	ENG20CS0244	P SAI MANOHAR			
8	ENG20CS0245	PANKAJA SANJAY KUDACHE			
9	ENG20CS0246	PARAG MANDAL			
10	ENG20CS0247	PARITOSH PREMNATH			
11	ENG20CS0248	PARTH SHETH			
12	ENG20CS0249	PATEL REEFA JAVED			

31	ENG20CS0268	PULLAGANTI JAYKUMAR			
32	ENG20CS0271	Qudsia Samar			
33	ENG20CS0272	R DINAKAR	←	ABSENT	→
34	ENG20CS0273	R ELTON DERICK			
35	ENG20CS0274	RAGHAVENDRA PRAKASH JAMAKHANDI			
36	ENG20CS0275	RAJESH PANIGRAHI			
37	ENG20CS0276	RAJESH V PATIL			
38	ENG20CS0277	RAJESHWARI N D			
39	ENG20CS0278	RAKSHATH U SHETTY			
40	ENG20CS0279	RAKSHIT R SORATUR			
41	ENG20CS0280	RAMESH R M			
42	ENG20CS0281	RAPARLA DHANUNJAY			
43	ENG20CS0282	RAQEEB N			
44	ENG20CS0283	RASHMI H A			
45	ENG20CS0284	RASHMITHA M			
46	ENG20CS0285	RAVI RANJAN KUMAR			
47	ENG20CS0286	RAVI SHANKAR V			
48	**ENG20CS0287**	RAYMOND GLADSON DANIEL			

DAYANANDA SAGAR UNIVERSITY

Department of Computer Science Engineering

A Three day workshop on Reactjs

G-Section.

Sl.No.	USN	Name	7/5/2022	8/5/2022	9/5/2022
1	ENG20CS0309	SAISMITA DAS	Saismita	Saismita	Saismita
2	ENG20CS0310	SAKSHAM DUBEY	SD	SD	SD
3	ENG20CS0311	SAMEER KHAN	Sameer	Sameer	Sameer
4	ENG20CS0312	SAMIKSHA JAIN	Samiksha	Samiksha	Samiksha
5	ENG20CS0313	SANAA R KITTUR	Sanaa	Sanaa	Sanaa
6	ENG20CS0315	SANDEEP KUMAR P	Sandeep	Sandeep	Sandeep
7	ENG20CS0317	SANDHYA M	Sandhya	Sandhya	Sandhya
8	ENG20CS0318	SANIYA FATHIMA	Saniyafathima	Saniyafathima	Saniyafathima
9	ENG20CS0319	SANJANA KRISHNA	Sanjana	Sanjana	Sanjana
10	ENG20CS0320	SANJANA LENKA	←	Absent	→
11	ENG20CS0321	SANJAY D BHAJANTRI	Sanjay	Sanjay	Sanjay
12	ENG20CS0322	SANTHOSH K A	Santhosh	Santhosh	Santhosh
13	ENG20CS0323	SATYAM ANAND	Anand	Anand	Anand
14	ENG20CS0324	SAURAV SUMAN	←	Absent	→
15	ENG20CS0325	SEHAJ TALWAR	←	Absent	→
16	ENG20CS0326	SEJAL ELIZABETH	←	Absent	→
17	ENG20CS0327	SHAAN MEHIRAJ KHAN	←	Absent	→
18	ENG20CS0328	SHAMANTH	Shamanth.K	Shamanth.K	Shamanth.K
19	ENG20CS0329	SHARADHI	Sharadhi	Sharadhi	Sharadhi
20	ENG20CS0330	SHARADHI B	Sharadhi	Sharadhi	Sharadhi
21	ENG20CS0331	SHARAN KALBURGI	Sharan	Sharan	Sharan
22	ENG20CS0332	SHAREEBA N	Shareeba.N	Shareeba.N	Shareeba.N
23	ENG20CS0333	SHASHANK C	Shashank	Shashank	Shashank

51	ENG20CS0364	SUHAAS H J			
52	ENG20CS0369	SUMEET ANGADI			
53	ENG20CS0370	SUMITH DESAI			
54	ENG20CS0371	SUMUKH S M			
55	ENG20CS0373	SURAVI R			
56	ENG20CS0374	SUSHANT KUMAR			
57	ENG20CS0375	SWATI PRIYA			
58	ENG20CS0376	SYED HANNAN S			
59	ENG20CS0377	SYED MUZAKIR			
60	ENG20CS0378	T S SURESH			
61	ENG20CS0379	TAMANNA VERMA			
62	ENG20CS0380	TARUN RAMA M			
63	ENG20CS0381	TEJAS KUMAR L			
64	ENG20CS0382	TEJASHWINI V			
65	ENG20CS0383	THANISH R GHORPADE			
66	ENG20CS0384	THARANI M			
67	ENG21CS1015	PRANAV BAWGIKAR			
68	ENG21CS1016	RAKESH G S			
69	ENG21CS1017	SAYANTAN DAS			
70	ENG21CS1018	SHARANESH P UPASE			

Staff Co-ordinator

22	ENG20CT0022	RUCHI SINGHAL			
23	ENG20CT0023	SAI SKANDHA SARAVANAN			
24	ENG20CT0024	SATHVIK P			
25	ENG20CT0025	SHASHIKALA M S			
26	ENG20CT0027	SHUBHAM RAJ KASHYAP			
27	ENG20CT0028	THARUN G NAIDU			
28	ENG20CT0029	VAIBHAV S			
29	ENG20CT0030	VENKATA GOKUL MANDA			
30	ENG20CT0031	VINAY T S			
31	ENG20CT0032	VINNAKOTI SRI NAGA AKSHAY			

Staff: Dr. Sindhu P Menon

DAYANANDA SAGAR UNIVERSITY

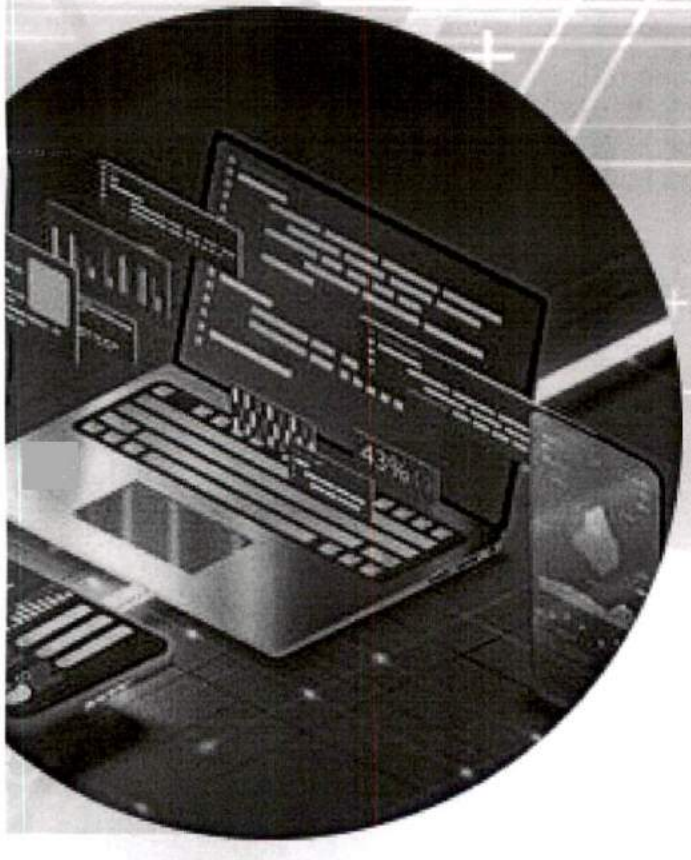
School of Engineering

Department of Computer Science and Engineering

presents

Project Expo-2k22

For Final Year CSE Students Project



Experts Panel

Dr.Y V S Lakshmi
Head C-BUDDHI Group Leader IPR & KMG, Bangalore
Mr G N V Raviteja
Senior Associate Product Manager, Affinidi, Bangalore

DATE
03/06/2022
9:30am to 4:30pm

VENUE
Gallery Hall 2,
A Block, DSU

Conveners

Dr.A.Srinivas
Professor & Dean-SOE
Dr. Banga M K
Professor & Dean- R& D
Dr.Girisha G S
Prpfessor & Chairperson,CSE

Coordinators

Dr. Meenakshi Malhotra
Associate Professor, CSE
Dr.Bharanidharan N
Asst. Professor, CSE
Prof. Vaidehi Verma
Asst. Professor, CSE
Prof.Chhaya S Dule
Asst. Professor, CSE
Prof. Gousia
Asst. Professor, CSE

DAYANANDA SAGAR UNIVERSITY

Department of Computer Science and Engineering

Major Project Batches Attendance for PROJECT EXPO 2021-22

Sl. No	Batch No.	USN	Name	Signatures
1	2	ENG18CS0049	Ashmit Dash	
		ENG18CS0091	Dheeraj NG	
		ENG18CS0278	Sneha BS	
		ENG18CS0283	Srinishaa P	
2	5	ENG18CS0039	Anirudha Narayan Shastri	
		ENG18CS0036	Ananya Snjeev Sawant	
		Eng18CS0030	Allwyn AK	
		ENG18CS0098	Elwin Thomas	
		ENG18CS0119	Jyothsna T	
3	12	ENG18CS1009	Nithyashree V	
		ENG18CS0096	Duvvuri Naga Sai Aparna	
		ENG18CS0093	Disha Anand Madival	
		ENG18CS0308	Vanishree L	
		ENG18CS0319	Vidyashree G	
4	20	ENG18CS0048	Ashish Sreenivas	
		ENG18CS0061	Burhan Baig	
		ENG18CS0031	Amey S Benegal	
		ENG18CS0021	Aishwarya	
		ENG18CS0001	Ajay Venkatesh	
5	21	ENG18CS0027	Akshat kumar	
		ENG18CS0051	Avijeet Shrivastava	
		ENG18CS0012	Abhishek Kumar	
		ENG18CS0116	Isha Dhanya	
		ENG18CS0142	KUMARI RITIKA RANI	
6	22	ENG18CS0197	Nobin Johnson	
		ENG18CS0199	P. Monika	
		ENG18CS0211	Prajwal S	
		ENG18CS0300	Thimmareddygari Jagadeeswar R	
7	24	ENG18CS0084	DEEPAK E	
		ENG18CS0080	DARSHAN KALYAN	
		ENG18CS0181	NAGA NITHESH DEVAKI	
		ENG18CS0089	DHARNESH KUMAR	
		ENG18CS0120	K BALA VISHNU	
8	25	ENG18CS0198	Omsri Sainadh Reddy. Y	
		ENG18CS0133	Tharun Chowdary	
		ENG18CS0195	Nithin Sameer	

		ENG18CS0202	Paritala Sai Krishna Anoop	
		ENG18CS0213	Pranav Dasika	
9	37	ENG18CS0222	Rahul Noronha	
		ENG18CS0240	Sahana M	
		ENG18CS0242	Sandesh Bhat	
10	42	ENG18CS0178	MUSKAN SINHA	
		ENG18CS0177	MUSKAAN GOEL	
		ENG18CS0150	LYSETTI LAKSHMI POOJITHA	
		ENG18CS0169	MD. KASHIF	
		ENG18CS0251	SAYEEDA UMAIMA SADAFUNNI	
11	43	ENG18CS0304	V A S Kiranmayee	
		ENG18CS0284	Srishti Ranjan	
		ENG18CS0268	Shreyansh J V	
		ENG18CS0274	Shylesh S	
12	54	ENG18CS0013	Abhishek B Kacher	
		ENG18CS0011	Abhinav Manikanta J	
		ENG18CS0017	Adith S	
		ENG18CS0067	Chandan R	
13	55	ENG18CS0038	Anirudh B M	
		ENG18CS0044	Archana S Nair	
		ENG18CS0244	Sanjana A G	
		ENG18CS0214	Prathyusha Murala	
14	63	ENG18CS0077	Chinni Krishna K B	
		ENG18CS0087	Dhanusha J	
		ENG18CS0107	Gowtham R	
15	66	ENG17CS0006	Abhinav Giridhar	
		ENG18CS0052	Ayaan J Ahmed	
		ENG19CS1019	Srujan S	
16	67	ENG18CS0252	Shailendra Bilar	
		ENG18CS0270	Shree Vallabha Somayaji	
		ENG18CS0206	Pavan Bisirotti	
		ENG18CS0099	Faisal S	
17	69	ENG18CS0008	Abhay Shastry	
		ENG18CS0056	B. Antonio Mervyn	
		ENG18CS0060	Binish Zehra Rizvi	
		ENG18CS0314	Varun Menon	
		ENG18CS0316	Vasu Bhalodia	
18	70	ENG18CS0228	Rishab Rk Shandilya	
		ENG18CS0163	Md Ehsaan shaikh	
		ENG18CS0174	Mohsin Omar Ahmed	
		ENG18CS0182	Namanpreet Singh	
		ENG18CS0302	Tushar Ranjan Jha	
19	79	ENG18CS0023	Akash Kumar Singh	

ProjectExpo Coordinator

1. Goutam Mahajan

Year: 2020-2021

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of ComputerScience and Engineering
Year 2020-2021
Fast Learners List

2nd Year

Sl. No	USN	Name	CGPA
1	ENG19CS0029	AMISHA ASRANI	9.71
2	ENG19CS0221	PAVITRA ANKESH	9.63
3	ENG19CS0265	RUPAM SHIL	9.39
4	ENG19CS0006	ABHAY V R	9.20
5	ENG19CS0210	NITHYA S	9.20
6	ENG19CS0009	ABHIJEET KUMAR	9.19
7	ENG19CS0137	KASHISH VERMA	9.19
8	ENG19CS0312	SNAVYA SAI M B	9.17
9	ENG19CS0249	RAKSHITHA V	9.15
10	ENG19CS0188	MOURYA B D	9.11
11	ENG19CS0125	JANANI JAYASHANKAR	9.07
12	ENG19CS0334	TEJAAL M	9.05
13	ENG19CS0023	AKSHAY V R	9.04
14	ENG19CS0076	CHETHAN RAO S	9.02
15	ENG19CS0149	KUMUDA KANATTI	9.01
16	ENG19CS0229	PRARTHANA G	9.01
17	ENG19CS0361	VIKRAM S	9.01
18	ENG19CS0002	AARODH LANGOTI	9.00
19	ENG19CS0039	ANUSHREE MITRA	8.99
20	ENG19CS0231	PRASHASTHI K KANCHAN	8.95
21	ENG19CS0038	ANUSHA T	8.94
22	ENG19CS0019	AKASH BAGCHI	8.93
23	ENG19CS0220	PAVAN B	8.93
24	ENG19CS0305	SHUBHASHREE P	8.93
25	ENG19CS0348	VAINAVI M DAVASAM	8.87
26	ENG19CS0017	AISHWARYA GANGYADA	8.83
27	ENG19CS0082	DEEKSHA Y D	8.82
28	ENG19CS0314	SOHAN SOMAYA	8.82
29	ENG19CS0011	ABHISHEK KRISHNA T M	8.81
30	ENG19CS0031	ANANYA B R	8.79
31	ENG19CS0062	YASH BELSARE	8.77
32	ENG19CS0120	HEMANTH KUMAR S	8.74
33	ENG19CS0128	JEEVAN KUMAR A DAS	8.74
34	ENG19CS0204	NEHA M	8.74
35	ENG19CS0259	ROHAN CARLO	8.74

Chairman / HOD 17/11
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road.
BANGALORE - 560 068

36	ENG19CS0270	SABEEHA TABASSUM	8.74
37	ENG19CS0063	BHARATH A	8.73
38	ENG19CS0332	TANIA GIRISH	8.73
39	ENG19CS0205	NETI SAHITHI	8.71
40	ENG19CS0319	SRIPAADA SAMAGA B P	8.70
41	ENG19CS0059	B VIJAY KUMAR KAKRA	8.68
42	ENG19CS0309	SINCHITHA J R	8.68
43	ENG19CS0362	VINODH N	8.67
44	ENG19CS0275	SAHANA P	8.65
45	ENG19CS0325	SURAJ BHADRA	8.65
46	ENG19CS0158	M M KRUPASHREE	8.63
47	ENG19CS0129	JINENDRA RATHOD	8.62
48	ENG19CS0295	SHEFALI GUPTA	8.62
49	ENG19CS0020	AKHILA	8.61
50	ENG19CS0108	HAMSA M N	8.61
51	ENG19CS0135	K VILOHIT	8.61
52	ENG19CS0240	R S RAKSHA	8.60
53	ENG19CS0296	SHISHIRA S	8.60
54	ENG19CS0167	MANAV G KRISHNA	8.58
55	ENG19CS0370	YASWANTH VELPURI	8.58
56	ENG19CS0030	AMOOLYA S	8.56
57	ENG19CS0192	MUTYALA SAI VENKATA KARTHIK	8.56
58	ENG19CS0301	SHRAVANI B S	8.56
59	ENG19CS0075	CHETHAN R	8.51
60	ENG19CS0367	YASH RAJ OJHA	8.51

3rd Year

Sl. No	USN	Name	CGPA
1	ENG18CS0105	GAYATHRI DEVI NAGALAPURAM	9.39
2	ENG18CS0307	VAISHNAVI A PUNAGIN	9.28
3	ENG18CS0230	RIYA SAVANT	9.26
4	ENG18CS0179	MYTHRI J L	9.22
5	ENG18CS0047	ARUN KUMAR	9.07
6	ENG18CS0310	VANSIKA SINGH	9.05
7	ENG18CS0082	DAVIN S THOMAS	9.01
8	ENG18CS0098	ELWIN THOMAS	9.01
9	ENG18CS0060	BINISH ZEHRA RIZVI	8.99
10	ENG18CS0007	AANCHAL JAIN JAIN	8.96
11	ENG18CS0066	CHAITHRA K	8.95
12	ENG18CS0005	A SOUMI NARAYANI	8.95
13	ENG18CS0294	SYED SHAHABAAZ AHMED	8.93
14	ENG18CS0185	NAVEEN A	8.93
15	ENG18CS0292	SUSHMITHA G	8.93
16	ENG18CS0010	ABHILASHA M S	8.90

28/7/22

Chairman / Head
Computer Science & Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

17	ENG18CS0147	LALITH SAGAR J	8.87
18	ENG18CS0042	ANUSHA M	8.83
19	ENG18CS0208	PAVITHRA H A	8.82
20	ENG18CS0072	CHELLASAMI SHRADA	8.81
21	ENG18CS0046	ARPITHA VENKATESHPRASAD	8.81
22	ENG18CS0189	NEHA TIWARI	8.81
23	ENG18CS0111	HAASINI THUMBAVANAM SRIDH	8.80
24	ENG18CS0314	VARUN MENON	8.80
25	ENG18CS0222	RAHUL NORONHA	8.79
26	ENG19CS1009	NITHYA SHREE V	8.77
27	ENG18CS0253	SHAKTHI PRIYA	8.75
28	ENG18CS0207	PAVANA M	8.74
29	ENG18CS0176	MUSFIRAH SUHA	8.72
30	ENG18CS0313	VARSHINI S A	8.70
31	ENG18CS0155	MAHATI KULKARNI	8.68
32	ENG18CS0041	ANUSHA J	8.67
33	ENG18CS0300	THIMMAREDDYGARI JAGADEESV	8.65
34	ENG18CS0093	DISHA ANAND MADIVAL	8.63
35	ENG18CS0170	MOHAMMED MAAZ AHMED KHA	8.62
36	ENG18CS0062	C D KARTHIK	8.61
37	ENG18CS0250	SATISH HERAKAL	8.60
38	ENG18CS0151	M NIVEDITHA	8.54
39	ENG18CS0101	GADDAM SAICHANDRA	8.54
40	ENG18CS0121	K PRANAV SHARAN	8.53
41	ENG18CS0158	MANCHIKANTI RANGA SAI RUTH	8.50
42	ENG18CS0275	SIMRAN KIRAN	8.50

4th Year

Sl. No	USN	Name	CGPA
1	ENG17CS0109	KETINENI HIMA BINDU	9.57
2	ENG17CS0013	ADITYAVARDHAN SINGH	9.47
3	ENG17CS0151	PINKY B	9.45
4	ENG17CS0015	AFREEN NAAZ	9.4
5	ENG17CS0025	ALFIYA ANJUM M	9.28
6	ENG17CS0047	B P GAYATHRI ANANYA	9.26
7	ENG17CS0103	K G PRAJWAL	9.24
8	ENG17CS0255	YASHASWINI S	9.21
9	ENG17CS0129	MOHAMMED ZAHIDPASHA	9.16
10	ENG17CS0107	KAVUTURI DEVA BHARGAV	9.15
11	ENG17CS0162	PRERANA RAVEENDRA KALAKAN	9.15
12	ENG17CS0016	AGATHA MARIA COUTINHO	9.11
13	ENG17CS0037	APOORVA A	9.11
14	ENG17CS0061	DEEKSHA P S	9.11

Chairman / HOD 17/23
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

15	ENG17CS0172	RAJAT SHARMA	9.08
16	ENG17CS0219	SRUJAN SATHEESH	9.04
17	ENG17CS0046	B M MADHURYA	9.03
18	ENG17CS0143	NITHINKUMAR	9.03
19	ENG17CS0184	S ROOPESH	9.01
20	ENG17CS0104	KARAN BHATIA	9
21	ENG17CS0212	SHWETA RANJAN	8.99
22	ENG17CS0140	NEHA SWAMI	8.98
23	ENG17CS0150	PAVITHRA N	8.98
24	ENG17CS0135	MUSKAN ASMATH	8.97
25	ENG17CS0200	SHALIMA SAMDANI	8.92
26	ENG17CS0051	BHAVANAAGAMYA B S	8.91
27	ENG17CS0011	ADITYA SINGH	8.95
28	ENG17CS0083	HARIHARAN B	8.86
29	ENG17CS0112	KULSUM KHAN	8.86
30	ENG17CS0201	SHALINI M	8.84
31	ENG17CS0211	SHUBHRA RAO KUTHYAR	8.83
32	ENG17CS0033	ANIL KUMAR GS	8.82
33	ENG17CS0215	SNEHA N	8.8
34	ENG17CS0137	NARASETI PADMAJA	8.78
35	ENG17CS0261	YUVASHRI BHANUPRAKASH	8.76
36	ENG17CS0194	SANVITHA MC	8.75
37	ENG17CS0181	RITIKA SINHA	8.74
38	ENG17CS0231	TEJAS M	8.7

20/7/22

Chairman / HOD
Computer Science & Eng. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of Computer Science Engineering

Year: 2020-2021

Date	Workshops conducted
4th-9th Jan 2021	Prerna 2K21 - Emerging Technological Skill Development Program
26th-27th March 2021	Server-Side Scripting Language: Node JS

DAYANANDA SAGAR UNIVERSITY



School of Engineering

Kudlu gate, Hosur main Road, Bengaluru-560114

Organizes

Emerging Technological Skill Development Programme online for First Year DSU-STUDENTS

prerna 2K21

4th Jan 2021 - 9th Jan 2021



Internet of Things

- Theoretical concepts in Internet of Things
- Practical exposer to Arduino Node MCU
- IoT Based Project

Arduino Node MCU



Cloud Computing

- Theoretical concepts in Cloud Computing
- Practical exposer to Cloud Suite Qwiklabs
- Cloud Based Project

Cloud's Suite - Qwiklabs



AI / ML / DS

- Theoretical concepts in AI/ML
- Practical exposer to TensorFlow
- Machine Learning Based Project

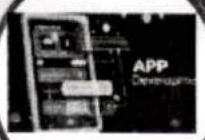
TensorFlow



Quantum Computing

- Theoretical concepts in Quantum Computing
- Practical exposer to Qiskit
- Quantum Computing Based Project

Qiskit



App-Dev

- Concepts in Application Development
- Practical exposer to Android Studio / HTML ,CSS and Flask
- Android / Web App Development

Android Studio / FLASK



AR/VR

- Theoretical concepts in AR/VR
- Practical exposer to UNITY
- Simple Project

UNITY



CyberSecurity

- Theoretical concepts in Cyber Security
- Practical exposer
- Simple Project

Kali Linux Tools



Digital Manufacturing

Theory & concepts in Digital Manufacturing
Practical exposer
Simple Project

CAD

Registration Link for the program
https://forms.gle/QGVp7U1dbvpos4no9

Best Project Award for Each Technology

Note :
Students Registered for Internet of Things Technology need to buy components . the cost of components ranges between Rs. 500-800

Awards for Quiz Competition

Convener

Dr. Sanjay Chitnis
Chairman -CSE

Co-ordinators

Chhaya S Dule
Asst. Prof.- CSE

C V S N Reddy
Assoc. Prof - CSE

Contact
chhaya.s-cse@dsu.edu.in
Mob. No 91135 35466



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This is to certify that Mr/Ms

Dhanush S

has participated in Skill Development Program Prerana-2K21 conducted from 4th Jan 2021 - 9th Jan 2021 and has been recognized as the ***Winner*** in Quiz Contest organized by School of Engineering, Dayananda Sagar University, Bengaluru - 560114.

Mrs Chhaya S Dule
Assistant Professor -CSE
Coordinator - Prerana2K21
Dayananda Sagar University, Bengaluru

Dr. Sanjay Chitnis
Chairman-CSE
Convener - Prerana 2K 21
Dayananda Sagar University, Bengaluru

Dr. Srinivas A
Dean - School of Engg.
Professors- Dept of CSE
Dayananda Sagar University, Bengaluru



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This certificate is proudly presented to Mr.

Sumukh Sankarshana

for winning the ***The Best Project Award*** for

AR/VR technology in the workshop PRERANA-2K21
organised by School of Engineering,
Dayananda Sagar University, Bengaluru - 560114.

Mrs Chhaya S Dule
Assistant Professor -CSE
Coordinator - Prerana2K21
Dayananda Sagar University, Bengaluru

Dr. Sanjay Chitnis
Chairman-CSE
Convener - Prerana 2K 21
Dayananda Sagar University, Bengaluru

Dr. Srinivas A
Dean - School of Engg.
Professors- Dept of CSE
Dayananda Sagar University, Bengaluru



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This certificate is proudly presented to Ms.

Yashna Karkera

for winning the ***The Best Project Award*** for
Mobile App Development technology in the workshop PRERANA-2K21
organised by School of Engineering,
Dayananda Sagar University, Bengaluru - 560114.

Mrs Chhaya S Dule	**Dr. Sanjay Chitnis**	**Dr. Srinivas A**
Assistant Professor –CSE	Chairman-CSE	Dean – School of Engg.
Coordinator – Prerana2K21	Convener – Prerana 2K 21	Professors- Dept of CSE
Dayananda Sagar University, Bengaluru	Dayananda Sagar University, Bengaluru	Dayananda Sagar University, Bengaluru



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This certificate is proudly presented to Ms.

Gopika Jaydev

for winning the ***The Best Project Award*** for

Internet of Things technology in the workshop PRERANA-2K21
organised by School of Engineering,
Dayananda Sagar University, Bengaluru - 560114.

Mrs Chhaya S Dule	**Dr. Sanjay Chitnis**	**Dr. Srinivas A**
Assistant Professor -CSE	Chairman-CSE	Dean – School of Engg.
Coordinator – Prerana2K21	Convener – Prerana 2K 21	Professors- Dept of CSE
Dayananda Sagar University, Bengaluru	Dayananda Sagar University, Bengaluru	Dayananda Sagar University, Bengaluru



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This certificate is proudly presented to Ms.

Yashna Karkera

for winning the ***The Best Project Award*** for
Mobile App Development technology in the workshop PRERANA-2K21
organised by School of Engineering,
Dayananda Sagar University, Bengaluru - 560114.

Mrs Chhaya S Dule	**Dr. Sanjay Chitnis**	**Dr. Srinivas A**
Assistant Professor –CSE	Chairman-CSE	Dean – School of Engg.
Coordinator – Prerana2K21	Convener – Prerana 2K 21	Professors- Dept of CSE
Dayananda Sagar University, Bengaluru	Dayananda Sagar University, Bengaluru	Dayananda Sagar University, Bengaluru



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This is to certify that Mr/Ms

Shrey Nahar. A

has participated in Skill Development Program Prerana-2K21 conducted from 4th Jan 2021 - 9th Jan 2021 and has been recognized as the ***Winner*** in Quiz Contest organized by School of Engineering, Dayananda Sagar University, Bengaluru - 560114.

Mrs Chhaya S Dule
Assistant Professor –CSE
Coordinator – Prerana2K21
Dayananda Sagar University, Bengaluru

Dr. Sanjay Chitnis
Chairman-CSE
Convener – Prerana 2K 21
Dayananda Sagar University, Bengaluru

Dr. Srinivas A
Dean – School of Engg.
Professors- Dept of CSE
Dayananda Sagar University, Bengaluru



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BENGALURU - 560114

BEST AWARD

PRERANA-2K21

4th Jan 2021 - 9th Jan 2021

Certificate of Achievement

This is to certify that Ms.

Sejal Elizabeth

of Dayananda Sagar University, School Of Engineering, Bengaluru has actively participated in the workshop Prerana-2k21 and has written the **Best Reflection Notes**.

Mrs Chhaya S Dule
Assistant Professor -CSE
Coordinator - Prerana2K21
Dayananda Sagar University, Bengaluru

Dr. Sanjay Chitnis
Chairman-CSE
Convener - Prerana 2K 21
Dayananda Sagar University, Bengaluru

Dr. Srinivas A
Dean - School of Engg.
Professors- Dept of CSE
Dayananda Sagar University, Bengaluru

DAYANANDA SAGAR UNIVERSITY

Quantum Computing

Sr No	Name of Student	Mobile Number	E-mail Id	Program Registered	Another Technology for which certificate will be
1	Adithya Challa	8050505344	adithya.challa1@gr	B Tech CSE (Da	AI/ML / Data Science
2	Ankit Prasad	7294901255	ankkyprasad@gma	B Tech CSE	AR/VR
3	Keerthanyaa N	9353290673	keerthanyaa.nirma	B Tech CSE	AI/ML / Data Science
4	Nachiketh S UJJAINIMAT	6362701661	nachiketh.cse20@	B Tech (Cybers	Cloud Com- puting
5	Inesh Rao S	9739248482	inesh.cse20@gmai	B Tech CSE	Cyber- security
6	Nishant Chaubey	9140732027	dheerajchaubey10	B Tech CSE (AI	Cyber- security
7	SaiKiran Kumbhar	7058472301	skkumbhar1911@	B tech AERO	AR/VR
8	Maria Navya Princy.N	9353270381	navyan25702@gm	B Tech CSE (Da	Cyber- security
9	Prajwal Singh	7041748889	prajwalsingh00017	B Tech CSE	AI/ML / Data Science
10	Thirtha kumar T N	9353217570	thirthakumar.2003	B tech ECE	AI/ML / Data Science
11	Jagrath Chengappa K N	7349317327	jagrathjagi149@gn	B Tech CSE	AI/ML / Data Science
12	Nadella Mokshitha	9392720595	nadellamokshitha1	B Tech CSE (Da	AI/ML / Data Science
13	Keerthana M G	6366333912	keerthanamg.cse2	B Tech CSE (AI	AI/ML / Data Science
14	Mohan S	9980540199	mohansatish.me20	B Tech MECH	AI/ML / Data Science
15	Vibhansh Kandwal	9880661111	fivevib@gmail.com	B Tech CSE (AI	AI/ML / Data Science
16	Vaishnav G B	8618495875	vaishnav4300@gm	B Tech CSE	AI/ML / Data Science
17	Vidhi	9403972172	keshwanividhi00@	B Tech CSE (AI	AI/ML / Data Science
18	Prasad M S	9483594792	eng18ec0078.pras	B tech ECE	AI/ML / Data Science
19	Mahammad Ashraf	7899632385	mahammadashraf	B tech ECE	AI/ML / Data Science
20	Shubhangi Mittal	9724751518	shbhngmittal@gm	B Tech CSE	AI/ML / Data Science
21	kodanda rama raju kasu	8333040018	kodanda4u@gmail	B Tech CSE (AI	AI/ML / Data Science
22	KIRAN KN	8884282673	KEDARNATHKN008	B Tech (Cybersecurity)	
23	Sandhi Gupta	9857338731	gupta.sandhi0201	B Tech CSE (AI/ML)	
24	Christina Rebello	9406583502	christina10rebello	B tech AERO	Quantum Com-puting
25	SHAREEBA N	9738113364	Shareebakhan350	B Tech CSE	
26	Rishank Gautam	6205241178	rishankgautam8@	B Tech CSE (Data Science)	
27	Vinayak shenoy	###########	vinayakmohithshe	B Tech CSE (Data Science)	
28	Harsha B Manakwad	8310025112	harshabm68@gma	B tech ECE	Quantum Com- puting
29	LOHITH . H	8549034380	lohithh111@gmail	B tech ECE	
30	Prahlad	7204455900	prahladkrishnan7@	B tech AERO	
31	Nischay BK	7026581401	nischaybk3112md	B tech AERO	
32	Nagapruthvik S	6362343380	nagapruthvik@gm	B Tech CSE	
33	Mikhil S	9964122631	mikhil.312002@gn	B Tech CSE	
34	Prajwal M P	9591831403	mail.com		
35	Nagapruthvik S	6362343380	nagapruthvik@gm	B Tech CSE	
36	C Bharat Reddy	8904426118	bobbyvishnu2002	B Tech CSE	
37	S Mohammed Arbaz	7411630056	arbazmohd624@g	B Tech CSE (AI/ML)	
38	M Adarsh Pryan	8861375991	aadarsh.0105@gm	B Tech CSE (AI/ML)	
39	Roopa Shree N	9731143361	roopa8968@gmail	B Tech CSE	
40	Sathvik	9448941286	satvikprakash0719	B Tech CST	
41	Anmol Sabale	741131361	anmolsabale18@g	B Tech CSE	

DAYANANDA SAGAR UNIVERSITY

Augumented Reality/Virtual Reality

Sr No	Name of Student	Mobile Numbe	E-mail Id	Program Registered	Another Technology for which certificate will be provided
1	Aditya Sarwade	9448021043	adityasarwade7@	B Tech CSE	Internet of Things
2	Kunika Mathur	7483926832	kannulpal051101	B Tech CSE	AI/ML / Data Science
3	Samarth Mankan	9057203327	samarthmankan.	B tech AERO	AI/ML / Data Science
4	Aditi A Navale	7338027816	aditinavale303@	B Tech CSE	Quantum Com- puting
5	Shreya Naga Sai Malep	9731991579	malepatyshreya@	B Tech CSE	Quantum Com- puting
6	Deepak B G	9741273500	boppanadeepak1	B Tech CSE (Da	AI/ML / Data Science
7	Sumukh Sankarshana N	8296485339	sumukhsankarsh	B Tech CSE	AI/ML / Data Science
8	K S Srujan	7019224771	kssrujan8@gmail	B Tech CSE (AI,	AI/ML / Data Science
9	Nithin n	9901952444	nithingowdan77(	B tech ECE	AI/ML / Data Science
10	Srushti B Yalgudri	7019240486	Srushtiyalgudri.cs	B Tech CSE	AI/ML / Data Science
11	P LOKESH	9704222513	lokeshponna929(	B Tech CSE (AI,	AI/ML / Data Science
12	Vaibhav s	8151079652	vaibhavachar2@g	B Tech CST	Cyber- security
13	Fahad ur Rahman	9740877617	Fahadurrahman1	B Tech CSE	
14	Ivan Reni Varghese	9035704346	ivan.reni.varghes	B Tech CSE (AI/ML)	
15	Jasin Jayachandran	8277356642	jasinjay2000@gm	B Tech CSE	
16	Alan Joshy Thomas	9482585974	alanjoshythomas	B Tech CSE	
17	Dishant	7874593566	dishanthirpara34	B Tech CSE	
18	Kiran Thomas	9035290651	vaibhavachar2@g	B Tech CSE	
19	THUSHAR KUMAR 6	8123434587	thusharnkc3@gm	B tech ECE	
20	Venkata Avinash g	7899475826	vaibhavachar2@g	B Tech CSE(Data Science)	
21	Pranav chikkond	7676001761	pranav.chikkond(	B tech AERO	
22	A L Monica	9986892130	Lakshmimonica1	B Tech CSE	
23	Pooja v Kumar	8970864304	poojavkumar200	B Tech CSE	
24	Rashmi.auradkar	9740418121	Rashmia.1550@g	B Tech (Cybersecurity)	
25	Vighnesh	7022929379	www.vighneshgu	B tech ECE	
26	Krishna kant dash	9.20E+11	Krishnakantcse2(	B Tech CSE (AI/ML)	
27	Qudsia Samar B	8073089085	Ptaj15732@gmai	B Tech CSE	AR/VR
28	Rachana PM	9663819688	Rachanaphutane	B tech AERO	
29	Kiran Thomas	9035290651	kiranthomasv077	B Tech CSE	
30	MADHAV JADHAV	7022778185	madhav7022@gr	B Tech CSE	
31	Ganesh j shetty	7259760395	ganesh18shetty@	B tech AERO	
32	Dhanush S	9901245523	dhanushpra.79@	B Tech CST	
33	Manjesh s	9606329922	manjeshs2002@gmail.com		

DAYANANDA SAGAR UNIVERSITY

Web App Development

Sr No	Name of Student	Mobile Number	E-mail Id	Program Registered
1	Bhuvan N R	8296254149	bhuvannr46@gmail.com	B Tech CSE
2	Mayank Sinha	7892510657	mayank.sinha2002@gmail.co	B Tech CSE (AI/
3	Keerthi A Reddy	7353050802	Keerthiambarish@gmail.com	B Tech CST
4	Sukrutha G	6361959947	Sukruthag2002@gmail.com	B Tech CSE (Dat
5	Punith.v	9535732957	punithvenu04@gmail.com	B tech ECE
6	R D Lohith	9.18861E+11	rdlohith@gmail.com	B Tech CSE (Dat
7	Ramika Nag	9025259372	ramix21602@gmail.com	B Tech (Cyberse
8	K CHAKRADHAR NAIDU	8639111932	chakradhar2010.cse20@gmai	B Tech CSE (AI/
9	Akshay Hegde	8669486722	akshaydeephegde@gmail.con	B Tech CSE (AI/
10	V Sri sai aravindan	7795234854	Aravinda6547@gmail.com	B Tech CSE (AI/
11	Darshan R	8095998030	darshan.rajashekar28@gmail.	B Tech CSE
12	Nityasri B	9740888783	nityashrib71@gmail.com	B Tech CSE (AI/
13	Sneha Subramaniam	7305601034	snehasubramaniam0408@gm	B Tech CSE (AI/
14	Bennett Christopher T	9986299457	bennettchristopher.cse20@g	B Tech (Cyberse
15	Keerthi A Reddy	7353050802	Keerthiambarish@gmail.com	B Tech CST
16	ANCHIT SRIVASTAVA	9654116129	anchitsrivastava23@gmail.co	B Tech CSE (AI/
17	Mohammed Tanveer	9980228457	mohammedtanveer051@gma	B Tech CSE
18	Nanditha. M.	8884221308	nandithamyadhav@gmail.con	B Tech CSE
19	Aditya Aman	7903380702	adityaaman7903380@gmail.c	B Tech CSE (Dat
20	Viswamber Prasad	9620737123	viswamberprasad21@gmail.c	B Tech CSE (AI/
21	NithyaShree S	9686441641	nithyarao372@gmail.com	B tech ECE
22	Nithin B S	8123311544	bsnithin10@gmail.com	B Tech CSE
23	Ankitha Shree B	6361370610	ankitha7144@gmail.com	B Tech CSE
24	Vishaal	8105275650	vmliyengar@gmail.com	B Tech CSE
25	Mishika Jain	9108589210	Mishika24.jain@gmail.com	B Tech CSE
26	SHREY NAHAR.A	9500483686	shreynahar3@gmail.com	B Tech CSE
27	Thirukrithika. A	6364831018	thirukrithika.02052002@gma	B Tech CSE (Dat
28	Atharva Mahajan	9407803500	atharvamahajan17@gmail.co	B Tech CSE
29	Kusumitha kasala	8247226680	Kusumitha5503@gmail.com	B Tech CSE (AI/
30	Anagha L	9900877685	anagha.lellapalli@gmail.com	B Tech CSE (AI/
31	R R DEVAPRASAD	9632969826	ravi.deva35@gmail.com	B Tech CSE (Dat
32	T S Suresh	8861648162	tssuresh28@gmail.com	B Tech CSE
33	Sejal Elizabeth	6362668191	sejalelizabeth@gmail.com	B Tech CSE
34	Vikram P	7406347627	vikrampav7@gmail.com	B Tech (Cyberse
35	Monica Mahesh	7483025441	monicamahesh2617@gmail.c	B Tech CSE
36	Anchal Singh	8310421919	anchalsingh1373@gmail.com	B Tech CSE
37	Poornashree Priyanka I	9739881039	priyanka8529@gmail.com	B Tech CST
38	Tamanna Verma	9611137050	tamanna20025@gmail.com	B Tech CSE
39	Divyanshu Kedia	8050216306	divyanshukedia01@gmail.con	B tech ECE
40	Ashutosh Singh	7275541211	ashutoshsingh3011@gmail.co	B Tech CSE
41	J Deeksha saluja	6301166458	deekshasaluja007@gmail.com	B Tech CSE

DAYANANDA SAGAR UNIVERSITY

Mobile App Development

Sr No	Name of Student	Mobile Numbe	E-mail Id	Program Registered	Another Technology for which certificate will be
1	Nanditha. M.	8884221308	nandithamyadha	B Tech CSE	AI/ML / Data Science
2	M.Amrin Bushra Taj	7893242292	Amrinbushrataj@	B Tech CSE	Cloud Com- puting
3	Pranav Kanuri	7975687223	pranav.kanuri@g	B Tech CSE	Cloud Com- puting
4	Kumar Arayan	7982731512	ava266rc@gmail	B Tech CSE	AR/VR
5	Vaibhav s	8151079652	vaibhavachar2@	B Tech CST	Cyber- security
6	Aditya Navale	9880028038	adityanavale434	B Tech CST	AR/VR
7	Rishi Sood	8017639980	rishisood.aerosp	B tech AER	Quantum Com- puting
8	G Siddartha	8686155152	gsiddartha117@	B Tech CSE	AR/VR
9	Atharva Mahajan	9407803500	atharvamahajan	B Tech CSE	AI/ML / Data Science
10	Priyanka HD	6360857971	pridiva77@gmai	B tech AER	Cyber- security
11	Abhilash S Bharadwaj	7676908145	abhilashjambur@	B Tech CSE	AI/ML / Data Science
12	Piyush Chaudhary	6201588707	kp08301228@gr	B Tech CSE	Digital Manu- facturing
13	Devesh Gaur	8939013025	deveshgaur1151	B tech ECE	AI/ML / Data Science
14	Hari Pradha P	9629058069	haripradha.cse2(	B Tech CSE	Cloud Com- puting
15	Geetika Mehta	9148048446	geetika12mehta	B Tech CSE	AR/VR
16	Prajwal Raj T. D	9535735584	praju33td@gma	B tech ECE	AI/ML / Data Science
17	Dharan Prasad. M	9741307526	dharanprasad09	B tech ECE	AI/ML / Data Science
18	Shreyas Shet	9902480776	Shreyasshet908(	B Tech CSE	AI/ML / Data Science
19	Sristi sharma	7585947856	sristisharma.cse2	B Tech CSE	Cyber- security
20	preetika ray	984527074	raypreetika@gm	B Tech CSE	Cyber- security
21	K. Jathin Jain	6304747760	jathujain560@gr	B tech ECE	Digital Manu- facturing
22	Siddharth M Kalkur	9611976747	siddharthkalkur2	B Tech CSE	AI/ML / Data Science
23	Abhishek S Shetty	9620049225	abhivishu99@gn	B Tech CSE	Cloud Com- puting
24	Aryan Jain	9886700976	aryanjain27april(	B tech ECE	Cloud Com- puting
25	Mayank Sinha	7892510657	mayank.sinha20(	B Tech CSE	Quantum Com- puting
26	Nisarga MR	9611452076	Nisarga1011@gr	B tech ECE	Cloud Com- puting
27	Nikhita B Jalihal	7899571408	nikhitajalihal@g	B tech ECE	AI/ML / Data Science
28	KUSHAL P	8867547645	kushalpandu200	B tech ECE	AI/ML / Data Science
29	Pranjal Priya	7564804479	Pranjalpriya001(	B Tech CSE	AI/ML / Data Science
30	Shravan Kumar R	7760064702	shravankumarr3	B Tech CSE	AI/ML / Data Science
31	Vandana M	8778699649	vandumani.ksvs(	B Tech CSE	AI/ML / Data Science
32	Rakshath U Shetty	8951085835	rakshathushetty	B Tech CSE	AI/ML / Data Science
33	Chandan	6361330801	Chandanpoonac	B Tech CSE	AI/ML / Data Science
34	Raparla Dhanunjay	9246066993	dhanunjay.rapar	B Tech CSE	AI/ML / Data Science
35	Jennifer Kumar	9739697115	jen08.kumar@gr	B tech ECE	AI/ML / Data Science
36	Lara J	9740362430	larajohn711@gn	B tech ECE	AI/ML / Data Science
37	Nikitha Raj N	9113947760	nikitharaj126@g	B tech ECE	AI/ML / Data Science
38	Yashwitha Shetty	7353788428	shettyyashwitha	B tech ECE	AI/ML / Data Science
39	Nikhita B Jalihal	7899571408	nikhitajalihal@g	B tech ECE	AI/ML / Data Science
40	Shilpa DP	9739665183	shilpadp2000@g	B tech ECE	AI/ML / Data Science
41	Priyanshu Singh	7337704754	priyanshus232@	B tech ECE	Cyber- security
42	Gagana Malleshachari	7975680916	gaganamallesh2(	B Tech CSE	App Development

93	Pullaganti jaykumar	8088569138	jaikumar10143@	B Tech CSE	
94	Akhilesh Mali	8867906641	akhilesh.mali23@	B Tech CSE	
95	Chitra P R	7204021048	chitraramesh200	B tech ECE	App Development
96	Yashaswini C	7406623042	yashaswinichand	B Tech CSE	
97	Vedant Naik	9986811046	saritanaik91077(	B Tech CSE	
98	Sounthariyaa J	6360382195	sounthariyaa97@	B Tech CSE (AI/ML)	
99	Vaishnavi.N	6362492714	vaishnavigowda4	B tech ECE	
100	Kiran B Malagi	9686917530	kbmalagi2002@(	B Tech CSE	

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate , Hosur Main Road
BANGALORE -560114

2 DAYS WORKSHOP
ON
Server Side Scripting Language : Node.JS

Organised by Department of Computer Science & Engineering
In Association with Computer Society of India, Bengaluru Chapter ,Region -5
Date : 26-27 March 2021

Resource Person



Prof. Nagaraj .A
Associate Professor
Dept of CSE
Jyothy Institute of Technology
BANGALORE - KARNATAKA

CONTACT
Cauvery Raju
Mobile No : 9900256168
cauvery-cse@dsu.edu.in

SESSION1: 10:00AM to 12:00 NOON SESSION2 : 2.00 PM to 4.00 PM

- This workshop is for IV Sem Students of CSE ,DSU, BANGALORE
- E-Certificate will be provided to all the registered participants
- No Registration fee
- Registration Link
  https://tinyurl.com/Node-JS-Workshop-CSE

SBC, CSI-DSU-STUDENT CHAPTER
Dr. Shaila S G
Associate Professor
Dept of CSE,
DSU ,BANGALORE

Convener : Chhaya S Dule
Asst. Prof-CSE,DSU
Gousia Thahniyath
Asst. Prof-CSE,DSU

Coordinators : Nazmin Begum
Asst. Prof-CSE,DSU
Shweta S A
Asst. Prof-CSE,DSU
Cauvery Raju
Asst. Prof-CSE,DSU
Arpitha D
Asst. Prof-CSE,DSU
Krishna Sowjanya K
Asst. Prof-CSE,DSU



DAYANANDA SAGAR UNIVERSITY

Department of Computer Science and Engineering

WorkShop on Server-Side Scripting Language: Node JS 26th-27th March 20

Timestamp	Email Address	Name	Semeste	USN of the stude	1. All the s	2. Organization c
3-27-2021 15:15:26	tameem1306@gı	Tameem.A	IV Sem	ENG19CS0053	Strongly A	Neutral
3-27-2021 15:16:49	eng19cs0023.aks	Akshay V R	IV Sem	ENG19CS0023	Strongly A	Well Organized
3-27-2021 15:16:55	iamabhishekkum	abhishek kumar	IV Sem	ENG19CS0012	Agree	Needs Improven
3-27-2021 15:17:02	anunl273@gmail	Ananya N	IV Sem	ENG19CS0032	Agree	Well Organized
3-27-2021 15:17:04	eng19cs0005.abl	Abhay Raj	IV Sem	ENG19CS0005	Agree	Well Organized
3-27-2021 15:17:24	abhayvr7@gmail	Abhay V R	IV Sem	ENG19CS0006	Agree	Neutral
3-27-2021 15:17:32	sharmaanjali255	Anjali sharma	IV Sem	ENG19CS0035	Agree	Neutral
3-27-2021 15:18:16	adithya1508@gr	Adithya Adarsh	IV Sem	ENG19CS0014	Neutral	Neutral
3-27-2021 15:18:43	akhilasudhina@g	Akhila	IV Sem	ENG19CS0020	Strongly A	Well Organized
3-27-2021 15:18:49	eng19cs0042.arp	Arpit kumar	IV Sem	ENG19CS0042	Strongly A	Well Organized
3-27-2021 15:19:14	eng19cs0050.asl	Ashutosh Mishra	IV Sem	ENG19CS0050	Agree	Well Organized
3-27-2021 15:20:17	anjanakp72@gm	Anjana KP	IV Sem	ENG19CS0036	Strongly A	Well Organized
3-27-2021 15:20:29	aishwaryagangya	Aishwarya gangya	IV Sem	ENG19CS0017	Strongly A	Well Organized
3-27-2021 15:20:50	amoolya.s0811@	Amoolya S	IV Sem	ENG19CS0030	Agree	Well Organized
3-27-2021 15:21:05	abhignagbabu@ç	Abhigna Srikara G	IV Sem	ENG19CS0008	Strongly A	Well Organized
3-27-2021 15:21:07	ktmabhi007@gm	ABHISHEK KRISH	IV Sem	ENG19CS0011	Strongly A	Well Organized
3-27-2021 15:21:56	abhisinghrtabhi@	ABHI RAJ	IV Sem	ENG19CS0007	Strongly A	Well Organized
3-27-2021 15:22:14	abhijithjnk2001@	Abhijith J K	IV Sem	ENG19CS0010	Agree	Well Organized
3-27-2021 15:23:17	eng19cs0038.an	Anusha T	IV Sem	Eng19cs0038	Strongly A	Well Organized
3-27-2021 15:23:51	anupvenkat47@ç	Anup Venkat	IV Sem	ENG19CS0037	Agree	Well Organized
3-27-2021 15:28:45	eng19cs0026.am	Aman Thapa	IV Sem	ENG19CS0026	Agree	Well Organized
3-27-2021 15:33:06	akshaya.nadathu	Akshaya Nadathur	IV Sem	ENG19CS0024	Strongly A	Well Organized
3-27-2021 15:36:18	amishaasrani250	AMISHA ASRANI	IV Sem	ENG19CS0029	Agree	Well Organized
3-27-2021 15:43:34	arnav.mzn@gma	ARNAV GUPTA	IV Sem	ENG19CS0041	Agree	Well Organized
3-27-2021 15:45:07	eng19cs0019.ak	Akash Bagchi	IV Sem	ENG19CS0019	Agree	Well Organized
3-27-2021 15:45:33	adarsh102001@ç	Adarsha subrahm	IV Sem	ENG19CS0013	Strongly A	Well Organized
3-27-2021 15:45:34	eng19cs0081.de	Deeksha Reddy	IV Sem	ENG19CS0081	Strongly A	Well Organized
3-27-2021 15:46:37	eng19cs0078.sre	Sreekar reddy	IV Sem	ENG19CS0078	Agree	Neutral
3-27-2021 15:47:08	dileepkumar1422	Dileep Kumar.S.R	IV Sem	ENG19CS0086	Strongly A	Well Organized
3-27-2021 15:47:11	bharish363@gm	Harish B	IV Sem	ENG19CS0111	Agree	Well Organized
3-27-2021 15:47:25	eng19cs0100.go	Gopal reddy K A	IV Sem	ENG19CS0100	Agree	Well Organized
3-27-2021 15:47:38	eng19cs0061.ba	Basavachetan	IV Sem	ENG19CS0061	Agree	Well Organized
3-27-2021 15:47:52	eng19cs0062bel	Belsare Yash Rah	IV Sem	ENG19CS0062	Agree	Well Organized
3-27-2021 15:48:14	eng19cs0108.mn	HAMSA M.N	IV Sem	ENG19CS0108	Agree	Well Organized
3-27-2021 15:48:32	bhavanaap22@g	Bhavana AP	IV Sem	ENG19CS0066	Strongly A	Well Organized
3-27-2021 15:48:36	eng19cs0059.vija	B.Vijay Kumar Kal	IV Sem	ENG19CS0059	Agree	Well Organized
3-27-2021 15:49:27	eng19cs0091.gcr	G C RITHVIK	IV Sem	ENG19CS0091	Agree	Well Organized
3-27-2021 15:49:50	gayathry78.p@gr	Gayathri P	IV Sem	ENG19CS0098	Strongly A	Well Organized
3-27-2021 15:50:01	eng19cs0068calv	Calvin Paiva	IV Sem	ENG19CS0068	Agree	Neutral
3-27-2021 15:50:17	eng19cs0063.bh	Bharath A	IV Sem	ENG19CS0063	Agree	Well Organized
3-27-2021 15:50:18	eng19cs0076.ch	Chethan Rao S	IV Sem	ENG19CS0076	Agree	Well Organized
3-27-2021 15:51:42	eng19cs0070.ch	Chandrashekar V	IV Sem	ENG19CS0070	Agree	Well Organized
3-27-2021 15:53:10	mahonya.sm888(	S M MAHONYA	IV Sem	ENG19CS0268	Neutral	Neutral
3-27-2021 15:53:29	goyalharshal916(	Harshal Goyal	IV Sem	ENG1CS0114	Neutral	Neutral
3-27-2021 15:53:48	eng19cs0095gag	Gagandeep K	IV Sem	ENG19CS0095	Strongly A	Well Organized
3-27-2021 15:54:36	dharshan77111@	Dharshan r	IV Sem	ENG19CS0084	Neutral	Neutral

3-27-2021 19:05:26	afreen260620@g	Afreen Fathima	IV Sem	ENG19CS0016	Agree	Well Organized
3-27-2021 19:06:06	eng19cs0003.aas	AASHRAY P	IV Sem	ENG19CS0003	Strongly A	Well Organized
3-27-2021 19:09:58	akshatmishra250	Akshat Mishra	IV Sem	ENG19CS0021	Agree	Neutral
3-27-2021 19:11:02	eng19cs0249.rak	RAKSHITHA V	IV Sem	ENG19CS0249	Agree	Well Organized
3-27-2021 19:16:32	eng19cs0047.ash	Ashish Kumar	IV Sem	ENG19CS0047	Strongly A	Well Organized
3-27-2021 19:17:47	hithesh9591@gm	Hithesh kumar N	IV Sem	ENG19CS0121	Neutral	Neutral
3-27-2021 19:18:28	eng19cs0039.anu	Anushree Mitra	IV Sem	ENG19CS0039	Strongly A	Well Organized
3-27-2021 19:22:53	eng19cs0025.am	Aman kumar	IV Sem	ENG19CS0025	Agree	Well Organized
3-27-2021 19:28:38	soni.soni.parth@	PARTH SONI	IV Sem	ENG19CS0218	Strongly A	Well Organized
3-27-2021 19:31:57	akashanil737@gı	Akash A	IV Sem	ENG19CS0018	Strongly A	Well Organized
3-27-2021 19:33:32	yaswanthc789@g	Ch venkata yaswa	IV Sem	ENG19CS0072	Neutral	Well Organized
3-27-2021 19:37:53	anu.madan1130(	Anu Meena	IV Sem	ENG19CS0001	Agree	Well Organized
3-27-2021 19:43:35	chaithanyaamara	A Chaithanya Kun	IV Sem	ENG19CS0027	Agree	Well Organized
3-27-2021 19:44:13	juvviarunsai3186	JUVVI ARUN SAI	IV Sem	ENG19CS0132	Agree	Well Organized
3-27-2021 19:46:58	navaneethreddy5	K.NAVANEETH R	IV Sem	ENG19CS0150	Agree	Well Organized
3-27-2021 19:51:47	sumanthr678@gı	K.Sai Sumanth Re	IV Sem	ENG19CS0138	Agree	Well Organized
3-27-2021 20:07:33	eng18cs0186.na	Naveen Kumar N	IV Sem	ENG18CS0186	Agree	Well Organized
3-27-2021 21:15:50	anirudhpreeth@g	Anirudh Preeth	IV Sem	ENG19CS0034	Agree	Neutral
3-27-2021 21:17:21	gnanadereddy83:	D.Gnana Prasad F	IV Sem	ENG19CS0083	Neutral	Neutral
3-27-2021 22:54:11	eng19cs0055.ayu	Ayush Kumar	IV Sem	ENG19CS0055	Agree	Neutral
3-27-2021 22:56:15	eng19ct0023.noo	Noor Poonia	IV Sem	ENG19CT0023	Agree	Neutral
3-27-2021 23:13:30	vavenom.2000@	Ashish kumar beh	IV Sem	ENG19CS0048	Agree	Well Organized
3-27-2021 23:21:36	eng19ct0036.sha	Shambhavi Jhala	IV Sem	ENG19CT0036	Strongly A	Well Organized
3-27-2021 23:27:16	eng19cs0292.sha	Shanelle Kalonice	IV Sem	ENG19CS0292	Strongly A	Well Organized
3-27-2021 23:33:25	amelinfernandes:	Amelin Fernandes	IV Sem	ENG19CS0028	Strongly A	Well Organized
3-28-2021 0:42:46	eng19cs0311.abh	Abhishek Satyend	IV Sem	ENG19CS0311	Agree	Well Organized
3-28-2021 1:30:37	krithikanatarajan:	KRITHIKA N	IV Sem	ENG19CS0148	Strongly A	Well Organized
3-28-2021 9:58:24	chetanmehta200	Chetan A Mehta	IV Sem	ENG19CS0073	Strongly A	Neutral
3-28-2021 10:28:30	reddyadithi52@g	Patel Adithi Reddy	IV Sem	ENG19CS0219	Agree	Well Organized
3-28-2021 12:10:06	harshuchauraisa(	Harshita Chaurasi	IV Sem	ENG19CS0115	Agree	Neutral
3-28-2021 14:12:37	alishachinmayee:	Alisha chinmayee	IV Sem	ENG19CT0003	Agree	Well Organized
3-28-2021 18:38:06	rajgoutam0078@	B RAJ Goutam	IV Sem	ENG19CS0058	Agree	Neutral
3-28-2021 21:05:37	eng19cs0093.gvs	G V Sairam	IV Sem	ENG19CS0093	Strongly A	Well Organized
3-28-2021 21:29:05	harshithnidinji777	Harshith N M	IV Sem	ENG19CS0116	Agree	Well Organized
3-29-2021 10:24:31	iamkehkashaan(	Kehkashaan Khar	IV Sem	ENG19CS0142	Agree	Well Organized
3-29-2021 10:24:44	lingareddysruthi9	Lingareddy Sruthi	IV Sem	ENG19CS0157	Agree	Well Organized
3-29-2021 10:24:54	kiranmadhu1239	Kiran	IV Sem	Eng19cs0143	Agree	Well Organized
3-29-2021 10:25:20	eng19cs0169.ma	Manjari U	IV Sem	ENG19CS0169	Strongly A	Well Organized
3-29-2021 10:25:20	kolagalneha@gm	K Neha	IV Sem	ENG19CS0133	Agree	Well Organized
3-29-2021 10:25:27	manjunathd620@	Manjunath D	IV Sem	ENG19CS0170	Agree	Well Organized
3-29-2021 10:25:32	ditigayatri@gmail	I Gayatri	IV Sem	ENG19CS0122	Agree	Well Organized
3-29-2021 10:25:51	kavyal2002june@	Kavya L	IV Sem	ENG19CS0140	Agree	Neutral
3-29-2021 10:26:59	liki15goutham12(	Likhith m	IV Sem	ENG19CS0155	Agree	Well Organized
3-29-2021 10:27:00	suppu5611@gma	Lakshmi Supraja.	IV Sem	ENG19CS0153	Agree	Well Organized
3-29-2021 10:27:14	eng19cs0166.ma	Manasa H	IV Sem	ENG19CS0166	Agree	Well Organized
3-29-2021 10:27:33	pranjalpadak@gr	M Pranjal Padaka	IV Sem	ENG19CS0159	Agree	Neutral
3-29-2021 10:27:57	madhu89048014	Madhusudhan Re	IV Sem	ENG19CS0163	Agree	Neutral
3-29-2021 10:28:39	janani.jayashank	Janani Jayashank	IV Sem	ENG19CS0125	Strongly A	Well Organized
3-29-2021 10:30:52	manojdbhat250@	Manoj D Bhat	IV Sem	ENG19CS0172	Agree	Well Organized
3-29-2021 10:31:00	hemang23sep@g	Hemang Verma	IV Sem	ENG19CS0119	Strongly A	Neutral
3-29-2021 10:31:08	mmkrupashree@	M M Krupashree	IV Sem	ENG19CS0158	Agree	Well Organized
3-29-2021 10:32:55	meghanabindu16	Meghana G	IV Sem	ENG19CS0176	Strongly A	Well Organized
3-29-2021 10:33:00	kashishv2102@g	Kashish Verma	IV Sem	ENG19CS0137	Agree	Well Organized
3-29-2021 10:36:56	manavgkrishna@	MANAV G KRISH	IV Sem	ENG19CS0167	Strongly A	Well Organized
3-29-2021 10:46:37	mehek2k1@gma	MEHEK FATHIMA	IV Sem	ENG19CS0177	Agree	Well Organized

3-31-2021 9:42:11	kireeti1431@gma	P SAI KIREETI	IV Sem	ENG19CS0215	Agree	Well Organized
3-31-2021 9:57:59	prarthan8@gmail	Prarthan P	IV Sem	ENG19CS0228	Strongly A	Well Organized
3-31-2021 10:20:05	nsgagan2001@g	N S Gagan	IV Sem	ENG19CS0194	Agree	Well Organized
3-31-2021 10:31:09	navanidec@gmai	Navaneeth Krishn	IV Sem	ENG19CS0201	Agree	Well Organized
3-31-2021 10:35:50	vishnu.s.nair181	Vishnu. S. Nair	IV Sem	ENG19CS0363	Neutral	Well Organized
3-31-2021 10:36:38	mohammedayma	Mohammed Ayma	IV Sem	ENG19CS0182	Strongly A	Well Organized
3-31-2021 10:36:52	dhanushkumares	Dhanush k	IV Sem	ENG19CT0009	Agree	Well Organized
3-31-2021 10:37:06	apeksh@gmail.c	Apeksha prabhu	IV Sem	ENG19CT0006	Agree	Well Organized
3-31-2021 10:37:35	lakme232001@g	Lakshmi Reddy	IV Sem	ENG19CT0017	Agree	Well Organized
3-31-2021 10:37:40	amulya10rangan	K Amulya	IV Sem	ENG19CT0013	Agree	Well Organized
3-31-2021 10:37:46	pranav.ghatigar@	Pranav N Ghatiga	IV Sem	ENG19CS0227	Strongly A	Well Organized
3-31-2021 10:38:00	eng19ct0027.racl	Rachana D	IV Sem	ENG19CT0027	Agree	Neutral
3-31-2021 10:38:23	eng19ct0041.suc	Suchitra Swain	IV Sem	ENG19CT0041	Strongly A	Well Organized
3-31-2021 10:38:34	eng19ct0021.nan	Nandan Pai	IV Sem	ENG19CT0021	Strongly A	Well Organized
3-31-2021 10:39:02	eng19ct0024.shi	Shivansh Pandey	IV Sem	ENG19CT0024	Agree	Well Organized
3-31-2021 10:39:56	eng19ct0014.kdu	K DURGA SAI AS	IV Sem	ENG19CT0014	Agree	Well Organized
3-31-2021 10:40:16	yashrajojha28@g	Yash Raj Ojha	IV Sem	ENG19CS0367	Strongly A	Well Organized
3-31-2021 10:41:13	rahulkp01aug@g	Rahul KP	IV Sem	ENG19CT0028	Agree	Well Organized
3-31-2021 10:41:44	eng19ct0010.dha	Dharshan k	IV Sem	ENG19CT0010	Agree	Well Organized
3-31-2021 10:42:05	harshapidugu12@	PIDUGU HARSHA	IV Sem	ENG19CS0222	Strongly A	Well Organized
3-31-2021 10:42:29	eng19ct0043.sye	Syed Suhail Salah	IV Sem	ENG19CT0043	Agree	Well Organized
3-31-2021 10:43:40	adnanmohamed9	S Adnan Mohame	IV Sem	ENG19CT0030	Agree	Neutral
3-31-2021 10:43:44	amitu895@gmail	Amitash M S	IV Sem	ENG19CT0004	Agree	Well Organized
3-31-2021 10:43:47	adhinarayanan61	R Adhi Narayanan	IV Sem	ENG19CS0239	Strongly A	Well Organized
3-31-2021 10:43:50	yashobinducr@g	Yashodha C R	IV Sem	ENG19CS0368	Agree	Neutral
3-31-2021 10:44:04	eng19ct0025.piyu	Piyush Sharma	IV Sem	ENG19CT0025	Agree	Well Organized
3-31-2021 10:44:49	eng19ct0019.mai	Manoj_h	IV Sem	ENG19CT0019	Agree	Neutral
3-31-2021 10:44:56	eng19cs0369.yas	Yashraj Mohanty	IV Sem	ENG19CS0369	Agree	Well Organized
3-31-2021 10:44:56	eng19ct0018.cha	M chandara kuma	IV Sem	ENG19CT0018	Agree	Well Organized
3-31-2021 10:46:41	nvinodh0@gmail.	Vinodh N	IV Sem	ENG19CS0362	Agree	Well Organized
3-31-2021 10:52:03	eng19ct0016.kev	Kevin Henry	IV Sem	ENG19CT0016	Strongly A	Well Organized
3-31-2021 10:53:31	eng18cs0173.kis	Moldireddy Kishor	IV Sem	ENG18CS0173	Agree	Well Organized
3-31-2021 10:53:43	eng19ct0033.san	Sanchita J Ellur	IV Sem	ENG19CT0033	Agree	Well Organized
3-31-2021 10:53:48	nayanapriyaap@	Nayana priya A P	IV Sem	ENG19CS0202	Agree	Neutral
3-31-2021 10:56:47	nithyasre2002@g	Nithya S	IV Sem	ENG19CS0210	Agree	Well Organized
3-31-2021 11:02:52	saumyaanand20(	Saumya Anand	IV Sem	ENG19CT0034	Strongly A	Well Organized
3-31-2021 11:04:47	meghanamagz20	Meghana.S	IV Sem	ENG18CT0018	Agree	Well Organized
3-31-2021 11:04:51	naseebabegum9	NASEEBA BEGUI	IV Sem	ENG19CS0199	Strongly A	Well Organized
3-31-2021 11:05:26	eng19cs0364.vis	Vishwas T	IV Sem	ENG19CS0364	Strongly A	Well Organized
3-31-2021 11:05:53	vikasdvikas112@	VIKAS D	IV Sem	ENG19CT0046	Agree	Neutral
3-31-2021 11:06:05	neham972001@(	Neha.M	IV Sem	ENG19CS0204	Agree	Well Organized
3-31-2021 11:06:42	thiyagarajannarm	NARMATHA T	IV Sem	ENG19CS0198	Neutral	Needs Improven
3-31-2021 11:07:06	namitha.k0505@	NAMITHA.K	IV Sem	ENG19CS0197	Agree	Well Organized
3-31-2021 11:10:10	sol198007@gma	Moses J	IV Sem	ENG19CS0187	Agree	Well Organized
3-31-2021 11:12:18	yshmshra@gmail	Yash Mishra	IV Sem	Eng18cs0326	Strongly A	Well Organized
3-31-2021 11:12:55	mouryagowda6@	MOURYA BD	IV Sem	ENG19CS0188	Strongly A	Well Organized
3-31-2021 11:14:00	nehacn847@gma	Neha Cochin Nare	IV Sem	ENG19CS0203	Agree	Well Organized
3-31-2021 11:19:29	vandanareddy32	Vandana s	IV Sem	ENG19CT0045	Agree	Well Organized
3-31-2021 11:24:47	sumedh.hagaldiv	Sumedh Hagaldiv	IV Sem	ENG19CT0042	Agree	Well Organized
3-31-2021 11:27:39	karthikmunnangi(	M.VENKATAKAR	IV Sem	ENG19CS0191	Agree	Well Organized
3-31-2021 11:29:36	karthik.msv1234(	karthik mutyala	IV Sem	ENG19CS0192	Agree	Well Organized
3-31-2021 11:32:21	suprajanuty2002(	Supraja Nuty	IV Sem	ENG19CS0212	Strongly A	Well Organized
3-31-2021 11:33:24	eng19ct0026.pre	Preethi Nayak M	IV Sem	ENG19CT0026	Agree	Neutral
3-31-2021 11:40:56	eng19cs0370.yas	Yaswanth Velpuri	IV Sem	ENG19CS0370	Agree	Neutral
3-31-2021 12:29:15	eng19ct0012.hen	HEMA LATHA.J	IV Sem	ENG19CT0012	Agree	Well Organized

3-31-2021 23:48:08	subhanshuk74@	Subhanshu Kuma	IV Sem	ENG19CS0321	Agree	Neutral
4-1-2021 1:10:21	eng19cs0323.su	Supreeth R	IV Sem	ENG19CS0323	Agree	Well Organized
4-1-2021 1:34:29	tejasvijay25@gm	Tejeswaran.V	IV Sem	ENG19CS0335	Agree	Well Organized
4-1-2021 9:40:27	nikitha2819@gm	Nikitha mekalache	IV Sem	ENG19CS0207	Strongly A	Well Organized
4-1-2021 10:14:34	neel007.sk@gma	Sankalp Kumar	IV Sem	ENG19CS0284	Strongly A	Well Organized
4-1-2021 10:15:48	eng19cs0258.riy	Riya Mary Joseph	IV Sem	ENG19CS0258	Agree	Well Organized
4-1-2021 10:29:49	rubeensakeena2	Rubeen Sakeena	IV Sem	ENG19CT0029	Strongly A	Well Organized
4-1-2021 11:13:49	vandankumark@	VANDAN KUMAR	IV Sem	ENG19CS0352	Agree	Neutral
4-1-2021 11:26:28	souptiksinha1@g	Souptik Sinha	IV Sem	ENG19CS0318	Agree	Well Organized
4-1-2021 11:30:10	haider.sharique4	Syed Sharique Ha	IV Sem	ENG19CS0330	Agree	Neutral
4-1-2021 11:44:46	shivamsrivastava	Shivam Srivastava	IV Sem	ENG19CT0038	Agree	Well Organized
4-1-2021 11:59:35	aarthips32@gma	Aarthi.P.S	VI Sem	ENG18EC1001	Strongly A	Well Organized
4-1-2021 12:01:18	ritikaranimsdian	Kumari Ritika Ran	VI Sem	ENG18CS0142	Agree	Well Organized
4-1-2021 12:01:33	monishakalinath	Monisha.K	IV Sem	ENG19CA0021	Strongly A	Well Organized
4-1-2021 12:13:53	shivangsingh190	Shivang Singh		ENG18CS0261	Agree	Well Organized
4-1-2021 12:15:23	akanksha0058@	SATNUR AKANK	VI Sem	ENG18EC0098	Agree	Well Organized
4-1-2021 12:16:07	eng19cs0311.abl	Abhishek Singh	IV Sem	ENG19CS0311	Strongly A	Well Organized
4-1-2021 12:16:09	sumaiyaanjum22	SUMAIYA ANJUM	VI Sem	ENG18EC0105	Agree	Well Organized
4-1-2021 12:16:44	nikhitajalihal@gr	Nikhita Jalihal	VI Sem	ENG18EC0068	Agree	Well Organized
4-1-2021 12:16:52	nishavshetty1220	Nisha Shetty	VI Sem	ENG18CS0194	Agree	Well Organized
4-1-2021 12:22:00	shettyyashwitha0	Yashwitha Shetty	VI Sem	ENG19EC1012	Strongly A	Well Organized
4-1-2021 12:23:32	eng19cs0143kira	Kiran r	IV Sem	ENG19CS0143	Agree	Well Organized
4-1-2021 12:25:46	kiranmadhu1238	KIRAN R	IV Sem	ENG19CS0143	Agree	Neutral
4-1-2021 12:26:36	mdsiddiq.as@gr	Mohammed Siddi	VI Sem	ENG18CS0171	Agree	Well Organized
4-1-2021 12:28:48	mythri1020@gma	Mythri J L	VI Sem	ENG18CS0179	Agree	Well Organized
4-1-2021 12:32:07	vaishnavivg2106	Vaishnavi V G	IV Sem	ENG19CS0350	Agree	Well Organized
4-1-2021 12:34:22	CHETANMDC20	Chetan Kumar MI	I Sem	Student	Neutral	Well Organized
4-1-2021 12:34:35	eng19cs0366.cha	Charan Teja Yada	IV Sem	ENG19CS0366	Neutral	Neutral
4-1-2021 12:35:44	ainanabbas@gm	Ainan Abbas	IV Sem	ENG19CS0181	Agree	Neutral
4-1-2021 12:36:42	nikhil73385@gm	Nikhil Raghavendı	I Sem	ENG20AS0015	Strongly A	Well Organized
4-1-2021 12:41:34	santhoshvirat444	Santhosh Kumar I	VI Sem	ENG18EC0096	Agree	Well Organized
4-1-2021 12:53:08	dk1455339@gma	Deepak Kumar S	IV Sem	R19CS090	Agree	Well Organized
4-1-2021 13:01:06	pranav0024p@gr	PRANAV P	IIISem	1DA19CS112	Agree	Neutral
4-1-2021 13:16:56	anandsinghtanwa	Anand Singh Tanv	IV Sem	ENG19CT0005	Agree	Well Organized
4-1-2021 13:24:26	devashish19jha@	Devashish	VI Sem	1SG18CS027	Strongly A	Well Organized
4-1-2021 13:31:42	maazfor@gmail.c	Mohammed Maaz	VI Sem	ENG18CS0170	Strongly A	Well Organized
4-1-2021 14:01:56	suchitradas931@	SUCHITRA DAS	IV Sem	ENG19CS0322	Agree	Well Organized
4-1-2021 14:55:57	Kavyashreeravin	Kavya Shree.R	IIISem	1DA19CS071	Strongly A	Well Organized
4-1-2021 15:40:06	sm.rohith35@gm	Rohith.S	IV Sem	ENG19CS0262	Agree	Well Organized
4-1-2021 15:54:58	jaganath.jaganatl	S.jaganath	IV Sem	ENG19CS0267	Strongly A	Well Organized
4-1-2021 16:04:18	sandesh1234567	Sandesh Balan	IV Sem	ENG19CS0282	Agree	Well Organized
4-1-2021 16:33:56	eng19ct0007.bin	Bindhu Shree K	IV Sem	ENG19CT0008	Agree	Well Organized
4-1-2021 16:45:27	lingareddysruthi9	Lingareddy Sruthi	IV Sem	ENG19CS0157	Strongly A	Well Organized
4-1-2021 16:53:39	manojdbhat250@	Manoj D Bhat	IV Sem	ENG19CS0172	Agree	Well Organized
4-1-2021 16:55:31	manikantabalasu	Manikanta B	VI Sem	1JS18CS075	Strongly A	Well Organized
4-1-2021 16:57:30	eng19cs0169.ma	Manjari U	IV Sem	ENG19CS0169	Strongly A	Well Organized
4-1-2021 17:00:58	suppu5611@gma	Lakshmi Supraja.	IV Sem	ENG19CS0153	Agree	Well Organized
4-1-2021 17:14:49	mayank29august	Mayank Jain	IV Sem	ENG19CS0174	Agree	Well Organized
4-1-2021 17:38:04	nikitharaj126@gr	Nikitha Raj N	VI Sem	ENG18EC0069	Strongly A	Well Organized
4-1-2021 17:52:17	pratikshakawale2	Kawale Pratiksha	VI Sem	3223	Agree	Well Organized
4-1-2021 18:26:14	kashishv2102@g	Kashish Verma	IV Sem	ENG19CS0137	Agree	Well Organized
4-1-2021 18:53:19	eng19cs0166.ma	Manasa H	IV Sem	ENG19CS0166	Agree	Well Organized
4-1-2021 18:57:08	praveenmeghara	Praveen Meghara	IIISem	1DA19CS116	Neutral	Neutral
4-1-2021 20:00:30	eng19ct0031.sak	Sakar Dubey	IV Sem	ENG19CT0031	Strongly A	Well Organized
4-1-2021 21:24:35	nandinincv@gma	Nandini V	VI Sem	ENG18CS0184	Agree	Well Organized

Year: 2019-2020

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of Computer Science & Engineering
Year: 2018-2019

Date	Workshops conducted
9th-10th Nov 2019	Python Hackaton 2019
23rd Feb 2020	Image War

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of ComputerScience and Engineering
Year 2019-2020
Fast Learners List

2nd Year

Sl. No	USN	Name	CGPA
1	ENG18CS0307	VAISHNAVI A PUNAGIN	9.86
2	ENG18CS0230	RIYA SAVANT	9.76
3	ENG18CS0105	GAYATHRI DEVI NAGALAPURAM	9.48
4	ENG18CS0310	VANSIKA SINGH	9.26
5	ENG18CS0047	ARUN KUMAR	9.24
6	ENG18CS0189	NEHA TIWARI	9.20
7	ENG18CS0046	ARPITHA VENKATESHPRASAD	9.12
8	ENG18CS0042	ANUSHA M	9.08
9	ENG18CS0155	MAHATI KULKARNI	9.04
10	ENG18CS0098	ELWIN THOMAS	9.04
11	ENG18CS0060	BINISH ZEHRA RIZVI	9.02
12	ENG18CS0147	LALITH SAGAR J	9.02
13	ENG18CS0179	MYTHRI J L	9.00
14	ENG18CS0294	SYED SHAHABAAZ AHMED	8.98
15	ENG18CS0313	VARSHINI S A	8.96
16	ENG18CS0005	A SOUMI NARAYANI	8.96
17	ENG18CS0292	SUSHMITHA G	8.96
18	ENG18CS0121	K PRANAV SHARAN	8.92
19	ENG18CS0082	DAVIN S THOMAS	8.90
20	ENG18CS0010	ABHILASHA M S	8.86
21	ENG18CS0222	RAHUL NORONHA	8.84
22	ENG18CS0314	VARUN MENON	8.76
23	ENG18CS0185	NAVEEN A	8.74
24	ENG18CS0111	HAASINI THUMBAVANAM SRIDH	8.72
25	ENG19CS1009	NITHYA SHREE V	8.64
26	ENG18CS0007	AANCHAL JAIN JAIN	8.62
27	ENG18CS0300	THIMMAREDDYGARI JAGADEESV	8.62
28	ENG18CS0093	DISHA ANAND MADIVAL	8.60
29	ENG18CS0170	MOHAMMED MAAZ AHMED KH	8.58
30	ENG18CS0248	SATHVIK N G	8.56
31	ENG18CS0151	M NIVEDITHA	8.54
32	ENG18CS0041	ANUSHA J	8.50
33	ENG18CS0054	B EVANS NIKITH ROYAN	8.50

31/07/2020

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

3rd Year

Sl. No	USN	Name	CGPA
1	ENG17CS0109	KETINENI HIMA BINDU	9.63
2	ENG17CS0013	ADITYAVARDHAN SINGH	9.52
3	ENG17CS0151	PINKY B	9.44
4	ENG17CS0025	ALFIYA ANJUM M	9.34
5	ENG17CS0103	K G PRAJWAL	9.34
6	ENG17CS0015	AFREEN NAAZ	9.3
7	ENG17CS0047	B P GAYATHRI ANANYA	9.26
8	ENG17CS0255	YASHASWINI S	9.21
9	ENG17CS0107	KAVUTURI DEVA BHARGAV	9.2
10	ENG17CS0162	PRERANA RAVEENDRA KALAKAN	9.18
11	ENG17CS0184	S ROOPESH	9.16
12	ENG17CS0011	ADITYA SINGH	9.14
13	ENG17CS0037	APOORVA A	9.12
14	ENG17CS0140	NEHA SWAMI	9.12
15	ENG17CS0129	MOHAMMED ZAHIDPASHA	9.11
16	ENG17CS0104	KARAN BHATIA	9.08
17	ENG17CS0016	AGATHA MARIA COUTINHO	9.04
18	ENG17CS0046	B M MADHURYA	9.02
19	ENG17CS0172	RAJAT SHARMA	9.02
20	ENG17CS0219	SRUJAN SATHEESH	9.02
21	ENG17CS0212	SHWETA RANJAN	9.01
22	ENG17CS0143	NITHINKUMAR	8.97
23	ENG17CS0061	DEEKSHA P S	8.94
24	ENG17CS0200	SHALIMA SAMDANI	8.94
25	ENG17CS0135	MUSKAN ASMATH	8.9
26	ENG17CS0201	SHALINI M	8.89
27	ENG17CS0137	NARASETI PADMAJA	8.87
28	ENG17CS0150	PAVITHRA N	8.85
29	ENG17CS0101	K AKHILA	8.84
30	ENG17CS0112	KULSUM KHAN	8.84
31	ENG17CS0083	HARIHARAN B	8.79
32	ENG17CS0215	MEGHANA V	8.77
33	ENG17CS0078	GOWTHAM R	8.76
34	ENG17CS0051	BHAVANAAGAMYA B S	8.74
35	ENG17CS0211	SHUBHRA RAO KUTHYAR	8.74
36	ENG17CS0261	YUVASHRI BHANUPRAKASH	8.71
37	ENG17CS0033	ANIL KUMAR GS	8.7
38	ENG17CS0194	SANVITHA MC	8.67
39	ENG17CS0017	AHMED OMAR KHAMIS BASALIB	8.57
40	ENG17CS0005	ABHIJIT JADHAV	8.55
41	ENG17CS0233	TEJASHREE C N	8.54

31/07/2020

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road
BANGALORE - 560 068

42	ENG17CS0060	DARSHAN A	8.53
43	ENG17CS0181	RITIKA SINHA	8.53
44	ENG17CS0260	YOGANSHU RAIKHERE	8.53
45	ENG17CS0220	SUDHASHREE P	8.52
46	ENG17CS0113	KUNAL GUPTA	8.5
47	ENG17CS0178	RISHABH TIWARI	8.5

4thYear

Sl. No	USN	Name	CGPA
1	ENG16CS0142	SAURABH P BHANDARI	9.7
2	ENG16CS0050	HARSHITHA K	9.59
3	ENG16CS0063	K CHANDU	9.52
4	ENG16CS0190	VIDYA S	9.48
5	ENG16CS0077	MANASA B P	9.4
6	ENG16CS0023	ARPITHA GANESH	9.33
7	ENG16CS0012	ALEN S THOMAS	9.32
8	ENG16CS0042	FATHIMA BANU	9.3
9	ENG16CS0191	VIJAY JINDAL	9.28
10	ENG16CS0017	ANUP KUMAR B	9.17
11	ENG16CS0082	MONIKA B	9.17
12	ENG16CS0170	SUNITHA K	9.13
13	ENG16CS0174	SWASTHI S SHETTY	9.09
14	ENG16CS0169	SUHAS S KATTE	9.02
15	ENG16CS0046	GOWRI S GOKARN	8.99
16	ENG16CS0041	FARHEEN SHAGUFTA	8.97
17	ENG16CS0106	PRATHAM KAVERIAPPA	8.97
18	ENG16CS0001	A AKSHITA	8.95
19	ENG16CS0101	PAVAN KUMAR J	8.95
20	ENG16CS0163	SRIKANTH VARMA C	8.93
21	ENG16CS0151	SHAZIA	8.92
22	ENG16CS0148	SHARAN VARMA	8.91
23	ENG16CS0084	MONISHA G M	8.89
24	ENG16CS0121	RAKSHITHA M	8.89
25	ENG16CS0028	B DURGA PRASAD REDDY	8.87
26	ENG16CS0156	SHREYA S	8.87
27	ENG16CS0155	SHREYA M PRASANNA	8.84
28	ENG16CS0108	PRATYUSH PRANJAL	8.83
29	ENG16CS0187	VARSHA R	8.81
30	ENG16CS0090	NEERAJ B M	8.74
31	ENG16CS0111	PRINSTON REBELLO	8.73
32	ENG16CS0093	NIHARIKA S R	8.72
33	ENG16CS0019	ANUSHA C M	8.71
34	ENG16CS0014	ANJALI CHOURASIA	8.69
35	ENG16CS0089	NAYAN KUMAR PATI	8.69

31/07/2020

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Rd.,
BANGALORE - 560 068

36	ENG16CS0130	S SAKSHETHAA	8.69
37	ENG16CS0079	MEGHA S	8.68
38	ENG16CS0021	APOORVA JAGANNATHAN	8.67
39	ENG16CS0164	SRINISHA S	8.67
40	ENG16CS0060	KARTIK GARG	8.66
41	ENG16CS0011	AKSHAY K	8.64
42	ENG16CS0186	VARSHA B SAKA	8.64
43	ENG16CS0154	SHIVANI R	8.63
44	ENG16CS0039	DIVYANSH	8.62
45	ENG16CS0139	SANJU M	8.62
46	ENG16CS0075	MADHAV M SULLAD	8.61

31/07/2020

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

PYTHON HACKATHON 2019

HOSTED BY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
DAYANANDA SAGAR UNIVERSITY
SHCOOL OF ENGINEERING
BENGALURU

9th & 10th November, 2019
Lab 4, Ground floor, Block B

Day 1:
Hands-on session on Basic and Advanced Python Programming
Workshop Timings: 9:00 AM to 4:30 PM

Day 2:
Coding contest on Python Programming Skills to encourage participants in applying their knowledge towards problem solving

Hackathon Timings : 9:00 AM to 2:00 PM
Valedictory Function : 3:30 PM

Last date for registration: 30/10/19
Registration Fee : 300/- (Per Participant)
(Includes Certificate and Refreshments)
Limited Seats : 35

CASH PRIZE
1st PRIZE : 1500/-
2nd PRIZE : 1000/-

ORGANIZED BY
Dr. Girisha G.S
Prof. Roopa Shree S
Prof. Bhargavi Mokashi
Prof. Nazmin Begum
Prof. Gousia Thahniyath
Prof. Krishna Sowjanya K

https://bit.ly/2BgbmZR

25/11/2019

Chairman
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

PYTHON HACKATHON -2019

STUDENTS LIST

24/11/19

Sl. No.	Name	USN	SIGNATURE(MORNING)	SIGNATURE (AFTERNOON)
1	Vamshi P V	ENG17CS0147		
2	Sanath Kumar	ENG17CS0193		
3	PRASAD	ENG17CS0158		
4	Nikith Kumar Shetty	ENG17CS0141		
5	Vaishnavi A Punagin	ENG18CS0307	A B	A B
6	Riya Savant	ENG18CS0230	A B	A B
7	Prerana R Kalakannavar	ENG17CS0162		
8	Pradyumna Banakar	ENG17CS0155		
9	P SAI SHIVANI	ENG17CS0145	A B	A B
10	Natesh.S	ENG17CS0139		
11	Nithin Kumar	ENG17CS0143		
12	Priyadarshini S	ENG17CS0165		
13	OMAR ABDULAZIZ AHMED HASSAN	ENG17CS0144	A B	A B
14	Pinky B	ENG17CS0151	A B	A B
15	Premalatha V	ENG17CS0161		
16	Paul Preetham H	ENG17CS0148		
17	VIGNESH RS	ENG17CS0167		
18	Rahul Davis	ENG17CS0168		
19	Rahul Joy	ENG17CS0169		
20	Sahana M	ENG17CS0188		
21	Sheetal P	ENG17CS0146		
22	Saeed Abdulrahman Badghaish	ENG17CS0187		
23	Rasika V	ENG17CS0175		
24	Ravika S Manjunath	ENG17CS176		
25	Ravindra N	ENG17CS0177		
26	~~Sathwik T~~ R SIVA PRAKASH	ENG18CS0~~249~~177		
27	Vaishaali Kondapalli	ENG18CS0305	A B	A B
28	Sapna Shalin	ENG17CS0195		
29	Arun Kumar	ENG18CS0047		
30	Srishti ranjan	ENG18CS0284		
31	Sathvik V Rathan	ENG17CS0197		
32	Anirudh B M	Eng18cs00038		
33	Poorna chandra singh	Eng17cs0154	A B	A B
34	Ritu Girimaji	ENG17CS0182		

25/11/19

PYTHON HACKATHON -2019

STUDENTS LIST

Sl. No.	Name	USN	SIGNATURE
1	Vamshi P V	ENG17CS0147	
2	Sanath Kumar	ENG17CS0193	
3	PRASAD	ENG17CS0158	
4	Nikith Kumar Shetty	ENG17CS0141	
5	Vaishnavi A Punagin	ENG18CS0307	AB
6	Riya Savant	ENG18CS0230	AB
7	Prerana R Kalakannavar	ENG17CS0162	
8	Pradyumna Banakar	ENG17CS0155	
9	P SAI SHIVANI	ENG17CS0145	
10	Natesh.S	ENG17CS0139	
11	Nithin Kumar	ENG17CS0143	
12	Priyadarshini S	ENG17CS0165	
13	OMAR ABDULAZIZ AHMED HASSAN	ENG17CS0144	AB
14	Pinky B	ENG17CS151	
15	Premalatha V	ENG17CS0161	
16	Paul Preetham H	ENG17CS0148	
17	VIGNESH RS	ENG17CS0167	
18	Rahul Davis	ENG17CS0168	
19	Rahul Joy	ENG17CS0169	
20	Sahana M	ENG17CS0188	
21	Sheetal P	ENG17CS0146	
22	Saeed Abdulrahman Badghaish	ENG17CS0187	AB
23	Rasika V	ENG17CS0175	
24	Ravika S Manjunath	ENG17CS176	AB
25	Ravindra N	ENG17CS0177	
26	~~Sathwik J R~~ SIVA PRAKASH ANDE	ENG18CS0~~249~~ 277	
27	Vaishaali Kondapalli	ENG18CS0305	AB
28	Sapna Shalin	ENG17CS0195	
29	Arun Kumar	ENG18CS0047	
30	Srishti ranjan	ENG18CS0284	
31	Sathvik V Rathan	ENG17CS0197	
32	Anirudh B M	Eng18cs00038	
33	Poorna chandra singh	Eng17cs0154	AB
34	Ritu Girimaji	ENG17CS0182	

25/11

Dayananda Sagar University

CSI Student Chapter
Bengaluru

Department of Computer Science and Engineering

Cordially invites you to the HACKATHON on

IMAGING WAR on 23-02-2020

Pre-Hackathon Workshop
22-02-2020: DIP using MATLAB

Details: Day 1: 22-02-2020

- 09:00 AM to 10:00 AM: Overview of DIGITAL IMAGE PROCESSING
- 10:00 AM to 10:15 AM: Tea Break
- 10:15 AM to 11:15 PM: Importance of Pre-Processing Phase
- 11:15 AM to 01:00 PM: Importance of Feature Extraction Phase
- 01:00 PM to 02:00 PM: Lunch Break
- 02:00 PM to 03:00 PM: Hands on Experience
- 03:00 PM to 03:30 PM: Tea Break
- 03:30 PM to 04:30 PM: Hands on Experience (Continued...)

Details: Day 2: 23-02-2020

- 09:00 AM to 04:00 PM: Hackathon on IMAGING WAR
- 04:00 PM to 04:30 PM: Evaluation
- 04:30 PM to 04:45 PM: Results announcement & Participation Certificates Distribution

- Last Date for Registration: 14/02/2020
- Total number of seats: 35
- On successful completion of the workshop candidates will be issued participation certificates. Winners will be awarded with prizes.

Organized by:

- Dr Rajesh T. M
- Prof Kavyashree D
- Prof Lavanya B Koppal
- Prof Neeta M. S

Student Coordinators:

- Mythri J L (9741453645)
- Maaz Ahmad (8095147071)
- Naveen A (9342496304)
- Muskaan Sinha (7369972073)

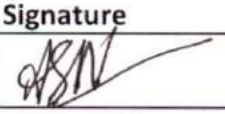
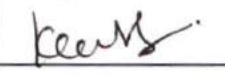
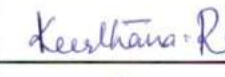
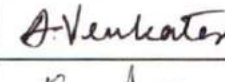
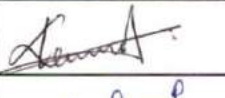
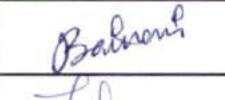
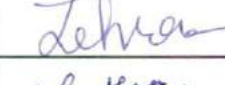
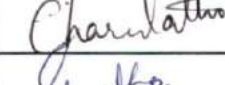
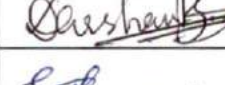
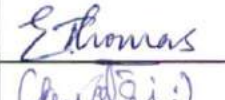
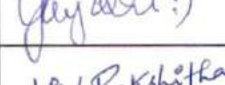
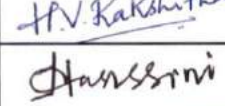
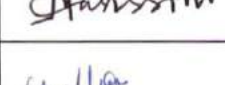
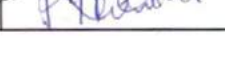
DATE & VENUE

22nd & 23rd February, 2020 Lab 4, Ground Floor, Block B, DSU Campus 3

DAYANANDA SAGAR UNIVERSITY

Attendance sheet: Image War

2/23/2020

SL. No	USN	Name	Signature
1	ENG18CS0005	A Soumi Narayan	
2	ENG18CS0007	Aaanchal Jain	
3	ENG18CS0010	Abhilasha MS	
4	ENG18CS0030	KEERTHANA B	
5	ENG18CS0031	KEERTHANA R	
6	ENG18CS0042	Anusha M	
7	ENG18CS0046	Arpitha Venkatesh	
8	ENG18CS0047	Arun Kumar	
9	ENG18CS0057	BAINENI GAYATHRI	
10	ENG18CS0060	Binish Zehra	
11	ENG18CS0066	Chaithra K	
12	ENG18CS0070	CHARULATHA G	
13	ENG18CS0072	Shrada C	
14	ENG18CS0080	DARSHAN KALYAN B S	
15	ENG18CS0098	Ellwyn Thomas	
16	ENG18CS0105	Gayathri Devi N	
17	ENG18CS0110	H V RAKSHITHA	
18	ENG18CS0111	Haasini Thumbav	
19	ENG18CS0115	I CREFLO ASIR JOEL	
20	ENG18CS0116	ISHA DHANYA	
21	ENG18CS0147	Lalith Sagar J	
22	ENG18CS0155	Mehathi Kulkarni	

23	ENG18CS0171	MOHAMMED SIDDIQ S	
24	ENG18CS0179	Mythri J L	
25	ENG18CS0185	Naveen A	
26	ENG18CS0203	PATIL AISHWARYA	
27	ENG18CS0207	Pavana M	
28	ENG18CS0208	Pavithra H A	
29	ENG18CS0230	Riya savant	
30	ENG18CS0292	sushmitha G	
31	ENG18CS0294	Syed Shahbaz	
32	ENG18CS0307	Vaishnavi A P	
33	ENG18CS0310	VANSIKA SINGH	
34	ENG18CS0311	VARDHIT JAIN	
35	ENG18CS0327	YASHASWINI N L	

Year: 2018-2019

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of Computer Science Engineering

Year: 2018-2019

Date	Workshops conducted
23rd Sep 2018	Digital Image Processing Using Matlab Part-1
9th Feb 2019	Digital Image Processing Using Matlab Part-2(Feature Extraction)

DAYANANDA SAGAR UNIVERSITY

School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore 560068

Department of ComputerScience and Engineering
Year 2018-2019
Fast Learners List

2nd Year

Sl. No	USN	Name	CGPA
1	ENG17CS0109	KETINENI HIMA BINDU	9.60
2	ENG17CS0013	ADITYAVARDHAN SINGH	9.48
3	ENG17CS0151	PINKY B	9.26
4	ENG17CS0140	NEHA SWAMI	9.24
5	ENG17CS0103	K G PRAJWAL	9.22
6	ENG17CS0047	B P GAYATHRI ANANYA	9.18
7	ENG17CS0107	KAVUTURI DEVA BHARGAV	9.16
8	ENG17CS0025	ALFIYA ANJUM M	9.12
9	ENG17CS0184	S ROOPESH	9.10
10	ENG17CS0255	YASHASWINI S	9.10
11	ENG17CS0143	NITHINKUMAR	9.06
12	ENG17CS0162	PRERANA RAVEENDRA KALA	9.04
13	ENG17CS0015	AFREEN NAAZ	9.02
14	ENG17CS0104	KARAN BHATIA	8.94
15	ENG17CS0212	SHWETA RANJAN	8.90
16	ENG17CS0219	SRUJAN SATHEESH	8.90
17	ENG17CS0172	RAJAT SHARMA	8.88
18	ENG17CS0011	ADITYA SINGH	8.86
19	ENG17CS0112	KULSUM KHAN	8.84
20	ENG17CS0129	MOHAMMED ZAHIDPASHA	8.84
21	ENG17CS0037	APOORVA A	8.80
22	ENG17CS0078	GOWTHAM R	8.78
23	ENG17CS0146	P SHEETAL	8.76
24	ENG17CS0046	B M MADHURYA	8.74
25	ENG17CS0200	SHALIMA SAMDANI	8.70
26	ENG17CS0201	SHALINI M	8.64
27	ENG17CS0061	DEEKSHA P S	8.62
28	ENG17CS0083	HARIHARAN B	8.60
29	ENG17CS0135	MUSKAN ASMATH	8.60
30	ENG17CS0181	RITIKA SINHA	8.60
31	ENG17CS0137	NARASETI PADMAJA	8.58
32	ENG17CS0211	SHUBHRA RAO KUTHYAR	8.58

30/07/2019

Chairman (HOD)
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

33	ENG17CS0261	YUVASHRI BHANUPRAKASH	8.58
34	ENG17CS0150	PAVITHRA N	8.54

3rd Year

Sl. No	USN	Name	CGPA
1	ENG16CS0050	HARSHITHA K	9.74
2	ENG16CS0142	SAURABH P BHANDARI	9.71
3	ENG16CS0063	K CHANDU	9.50
4	ENG16CS0190	VIDYA S	9.49
5	ENG16CS0006	ADITYA B A	9.35
6	ENG16CS0023	ARPITHA GANESH	9.34
7	ENG16CS0077	MANASA B P	9.3
8	ENG16CS0191	VIJAY JINDAL	9.2
9	ENG16CS0042	FATHIMA BANU	9.2
10	ENG16CS0012	ALEN S THOMAS	9.2
11	ENG16CS0017	ANUP KUMAR B	9.2
12	ENG16CS0082	MONIKA B	9.1
13	ENG16CS0170	SUNITHA K	9.1
14	ENG16CS0169	SUHAS S KATTE	9.1
15	ENG16CS0174	SWASTHI S SHETTY	9.0
16	ENG16CS0001	A AKSHITA	9.0
17	ENG16CS0046	GOWRI S GOKARN	8.9
18	ENG16CS0163	SRIKANTH VARMA C	8.9
19	ENG16CS0151	SHAZIA	8.9
20	ENG16CS0084	MONISHA G M	8.9
21	ENG16CS0041	FARHEEN SHAGUFTA	8.9
22	ENG16CS0106	PRATHAM KAVERIAPPA	8.9
23	ENG16CS0156	SHREYA S	8.9
24	ENG16CS0028	B DURGA PRASAD REDDY	8.8
25	ENG16CS0121	RAKSHITHA M	8.8
26	ENG16CS0164	SRINISHA S	8.8
27	ENG16CS0108	PRATYUSH PRANJAL	8.8
28	ENG16CS0148	SHARAN VARMA	8.8
29	ENG16CS0187	VARSHA R	8.8
30	ENG16CS0060	KARTIK GARG	8.7
31	ENG16CS0155	SHREYA M PRASANNA	8.7
32	ENG16CS0089	NAYAN KUMAR PATI	8.7
33	ENG16CS0019	ANUSHA C M	8.7
34	ENG16CS0014	ANJALI CHOURASIA	8.7
35	ENG16CS0011	AKSHAY K	8.7
36	ENG16CS0049	HARSHITHA B S	8.7
37	ENG16CS0186	VARSHA B SAKA	8.6
38	ENG16CS0101	PAVAN KUMAR J	8.6
39	ENG16CS0111	PRINSTON REBELLO	8.6

30/07/2019

Chairman / HOD
Computer Science Engg. Dept.
Davananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

40	ENG16CS0093	NIHARIKA S R	8.6
41	ENG16CS0200	TENZIN TSEGA	8.6

4th Year

Sl. No	USN	Name	CGPA
1	DSU15CS0090	THEJA V BHAT	9.71
2	DSU15CS0069	ROHAN K VIJAPUR	9.43
3	DSU15CS0020	BHAVANA C REDDY	9.38
4	DSU15CS0026	IROL IRNEAUS FURTADO	9.25
5	DSU15CS0027	JANMEJAY S PUROHIT	9.25
6	DSU15CS0058	PRACHI KOUL	9.14
7	DSU15CS0006	AISHWARYA K S	9.1
8	DSU15CS0099	VISHAL L	9.1
9	DSU15CS0037	LAVANYA S	9.1
10	DSU15CS0017	ASHRITHA R REDDY	9.1
11	DSU15CS0013	ANKITHA C S	9.0
12	DSU15CS0088	TENZIN NYIDOL	9.0
13	DSU15CS0078	SRIKAR RAO	8.8
14	DSU15CS0080	SUBHASH B S	8.7
15	DSU15CS0085	TARUN REDDY R	8.7
16	DSU15CS0095	VAISHANVI RAMESH	8.7
17	DSU15CS0018	ASHWATH KUMAR SHETTY	8.7
18	DSU15CS0005	ADITI KHANDELWAL	8.7
19	DSU15CS0034	KRISHNA BHARGAV S	8.6
20	DSU15CS0053	VENKATA MANU	8.6
21	DSU15CS0016	ARSHAD AMEEN	8.6
22	DSU15CS0031	KARTHIKEYA V	8.5
23	DSU15CS0065	RAJESH BISWAS	8.5
24	DSU15CS0087	TEJAS VARMA K	8.5

30/07/2019

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Dayananda Sagar University

&

CSI Student Chapter

Bengaluru

Department of Computer Science & Engineering

Cordially invites you to the workshop on

"MATLAB for Digital Image Processing" Part-I

Details:

- **10:00 AM to 10:30 AM:** Introduction to Digital Image Processing
- **10:30 AM to 11:00 AM:** Introduction to Programming in MATLAB
- **11:15 AM to 1:00 PM:** Coding skills on pre-processing images
- **2:00 PM to 4:00 PM:** Hands on Mini-project implementation

- Last Date for Registration: 20/09/2018
- Only for 3rd year Students and 2nd year BCA Students
- Total number of seats: 33
- On successful completion of the workshop candidates will be issued participation certificates & handout book.

Faculty:

- **Dr Rajesh T. M**
- **Dr Mallanagouda Patil**
- **Dr Tamanna Jena**
- **Prof Kavyashree D**
- **Prof Neeta M. S**

Student Coordinators:

- **Arpitha Ganesh (V Sem A Sec)**
- **Nyrika B.R (V Sem B Sec)**
- **Sanju M (V Sem C Sec)**

DATE & VENUE

22nd September, 2018

Lab 4, Ground Floor, Block B, DSU Campus 3

Dayananda Sagar University

&

CSI Student Chapter

Bengaluru

Department of Computer Science & Engineering

Workshop on : MATLAB for Digital Image Processing Part 1

Date: 22-9-2018

Attendance Form

S.NO	USN	STUDENT NAME	SIGNATURE
1	ENG16CS0021	Apoorva Jagannathan	Apoorva jagannathan
2	ENG16CS0063	Chandu.k	k. Chandu
3	ENG16CS0033	ch. Bhavana	ch. Bhavana
4	ENG16CS0088	Navya.M	
5.	ENG16CS0082	Monika.B	B. monika
6.	ENG16CS0014	ANJALI CHOURASIA	Anjali Chourasia
7.	ENG16CS0091	Neetu.G	
8	ENG16CS0121	Rakshitha.M	
9.	ENG16CS0127	ROOPA.R	Roopa.R
10	ENG16CS0167	SUBHASREE	
11.	ENG16EC0077	Smita Giri	
12.	ENG16CS0611	Prinston Rebello.	Prinston.
13	ENG16CT0037	Sri Archana S	
14	ENG16CT0003	Anjana R	

Dayananda Sagar University

&

CSI Student Chapter

Bengaluru

Department of Computer Science & Engineering

Workshop on: **Digital Image Processing Using MATLAB, Part - 1**

Date: 22-9-2018

Sl. NO	Name	USN	Morning Session	Afternoon Session	Signature
1	K.Chandu	ENG16CS0063	K. Chandu	K. Chandu	K. Chandu
2	Chava Bhavana	ENG16CS0033	Ch. Bhavana	Ch. Bhavana	Ch. Bhavana
3	Anjali Chourasia	ENG16CS0014	Anjali Chourasia	Anjali Chourasia	Anjali Chourasia
4	Harshitha.K	ENG16CS0050			
	Farheen Shagufta	ENG16CS0041	Farheen	Farheen	Farheen
6	Fathima Banu	ENG16CS0042			
7	Gowri S Gokarn	ENG16CS0046	Gowri. S. G	Gowri. S. G	Gowri. S. G.
8	Apoorva Jagannathan	ENG16CS0021	Apoorva jagannathan	Apoorva jagannathan	Apoorva jagannathan
9	Harshitha.R	ENG16CS0052	Harshitha. R	Harshitha. R	Harshitha. R
10	Harshita.B.S	ENG16CS0049	Harshitha. B.S	Harshitha. B.S	
11	Arpitha Ganesh	ENG16CS0023	Arpitha. G	Arpitha G	Arpitha G

Sl. NO	Name	USN	Morning Session	Afternoon Session	Signature
12	Manasa.B.P	ENG16CS0077	Manasa	Manasa	Manasa
13	Mounika.R	ENG16CS0085	Mounika	Mounika	Mounika.
14	Neha Singh	ENG16CS0092	Neha.	Neha	
15	Neethu	ENG16CS0091			
16	Roopa.R	ENG16CS0127	Roopa.R	Roopa.R	Roopa.R
	Rakshitha.M	ENG16CS0121	Rakshitha	Rakshitha	Rakshitha
18	Sakshethaa	ENG16CS0130			
19	Monika.B	ENG16CS0082	B. monika	B. monika	B. monika
20	Prinston Rebello	ENG16CS0111			
21	Navya.M	ENG16CS0088			
22	Abdul Hamid Abdullahi	ENG17CA0001	Ahmed	Ahmed	Ahmed
23	Anjana.R	ENG16CT0003			
24	Sachin.K.Yadav	ENG16EC0067			
25	Sri Archana.S	ENG16CT0037			
[illegible]	Shazia	ENG16CS0151	Shazia	Shazia	Shazia
27	Subhasree	ENG16CS0167			
28	Sanju.M	ENG16CS0139			
29	Nyrika.B.R	ENG16CS0095			
30	Sankeerthana.G.D	ENG16CS0140			
31	Seema S	ENG16CS0144			
32	Srikanth Shastry	ENG16CS0162			
33	Smita Giri	ENG16EC0077			

Dayananda Sagar University

&

CSI Student Chapter

Bengaluru

Department of Computer Science & Engineering

Cordially invites you to the workshop on

"DIGITAL IMAGE PROCESSING USING MATLAB"

PART-2 (FEATURE EXTRACTION)

Details:

- 09:30 AM to 10:30 AM: Overview of Feature Extraction Phase
- 10:30 AM to 11:00 AM: Tea Break
- 11:00 AM to 12:00 PM: Applications of Feature Extraction
- 12:00 PM to 01:00 PM: Examples for Techniques used in Feature Extraction
- 01:00 PM to 02:00 PM: Lunch Break
- 02:00 PM to 03:00 PM: Hands on Experience
- 03:00 PM to 03:30 PM: Tea Break
- 03:30 PM to 04:30 PM: Hands on Experience (Continued...)
- 04:30 PM to 04:45 PM: Participation Certificates Distribution

- Last Date for Registration: 07/02/2019
- Total number of seats: 35
- On successful completion of the workshop candidates will be issued participation certificates & handout book.

Organized by:

- **Dr Rajesh T. M**
- **Dr Mallanagouda Patil**
- **Prof Bhargavi M**
- **Prof Kavyashree D**
- **Prof Neeta M. S**

Coordinated By:

- **Prof. Shiva Kumar**
- **Prof. Mahesh Kumar**

Student Coordinators:

- **Arpitha G (VI Sem A Sec)**
- **Pavan Kumar J (VI Sem B Sec)**
- **Nyrika B.R (VI Sem B Sec)**
- **Varsha R (VI Sem C Sec)**

DATE & VENUE

9th February, 2019

Lab 4, Ground Floor, Block B, DSU Campus 3

Dayananda Sagar University
&
CSI Student Chapter
Bengaluru

Department of Computer Science & Engineering

Workshop on : Digital Image Processing Using MATLAB- Part 2

Date:09/02/2019 **Morning Session**

Sl.NO	Name	USN	Phone-no	Email-id	Signature
1	ABDULHAMID ABDULLAH	ENG17CA0001	7406055951	abdulhamidwdl@gmail.com	Abmdul
2.	DHARAN PRASAD.M	ENG17EC0028	9741307525	dharanprasad099@gmail.com	Ms. Alhsra.
3.	AKSHAY G	ENG17EC0008	7090441267	jiakshayy@gmail.com	G. Akshay
4.	Alen Stein Reji	ENG17EC0009	9632008285	alenstein143@gmail.com	Alenstein
5	GOWRI. S. GOKARN	ENG16CS0046	8971727194	Gowrisgokarn@gmail.com	Gowri.S.G.
6.	APOORVA JAGANNATHAN	ENG16CS0021	8296610422	appujag0711@gmail.com	Apoorva Jagannathan
7.	KILARI CHANDU	ENG16CS0063	7022365457	kilarichandu60@gmail.com	K. Chandu
8.	CHAVA BHAVANA	ENG16CS0033	8296619457	bhavanabhargavi-99@gmail.com	Ch. Bhavana
9.	Y. Anoop Reddy	ENG16CS0048	8019687840	reddytinku55@gmail.com	
10.	MOHAN KUMAR. A	ENG17EC0062	9900525425	mohankumar525425@gmail.com	Mohan Kumar A.
11.	J. LITHESH KUMAR	ENG17EC0049	9148261570	lithishkumarj@gmail.com	J. Lithesh
12	ABHILASH. V.A	ENG17EC0001	9880507105	aabhilasha70@gmail.com	Abhilash. V.A
13.	ROOPA. R	ENG16CS0127	9008783563	roopaa208@gmail.com	Roopa R
14.	MONIKA. B	ENG16CS0082	9663927175	monikabgowda22@gmail.com	B. Monika
15	NAVYA. M	ENG16CS0088	7019906622	navya100119@gmail.com	Navya
	RAKSHITHA. M	ENG16CS0121	9538368989	rakshithamg9@gmail.com	Rakshitha. M
17	KRUPALAKSHMI BC	ENG16CS0067	9741593141	bckrupalakshmi@gmail.com	
18	YASASWINI. B	ENG16CS0196	8310550218	yasaswini0409@gmail.com	
19	DEEKSHA. A	ENG16CS0035	9036623148	deekshareddy85@gmail.com	
20	HARSHA. RAVIRAJ. SANNAPPANAVAR	ENG16CT0011	7899570490	harsha71819@gmail.com	
21	ANJANA RANJAN	ENG16CT0003	8050051150	anjanar876@gmail.com	

Dayananda Sagar University
&
CSI Student Chapter
Bengaluru

Department of Computer Science & Engineering

Workshop on : Digital Image Processing Using MATLAB- Part 2

Date:09/02/2019 **Morning Session**

Sl.NO	Name	USN	Phone-no	Email-id	Signature
1	SMITA GIRI	ENG16EC0077	9830574509	smitagiri199[illegible]@gmail.com	S.Giri
2	PRINSTON REBELLO	ENG16CS0111	8971927785	prinstonrebello@gmail.com	Prinston
3	V ANANTH KRISHNA ADIGA	ENG16CS0184	8886846610	ananthadiga37@gmail.com	
4	AFREEN NAAZ	ENG17CS0015	8660766643	sufiyanaazent@gmail.com	Afreen
5	ALFIYA ANJUMM	ENG17CS0025	9113660906	alfiyaanjum1234@gmail.com	Alfiya M
6	ADITYAVARDHAN SINGH	ENG17CS0013	7829553187	adityavardhan3324@gmail.com	AVSingh
7	MALAVIKA SAJITH	ENG16EC0043	9731756734	malu.sajith@gmail.com	Malu
8	NIHARIKA.SR	ENG16CS0093	8147196570	niharika.sr3@gmail.com	Niharika
9	ANN MARY C	ENG16EC0012	8277270715	annmchiramel98@gmail.com	Ann Mary
10	JAY DIVYA KUMAR	ENG16EC0034	9518164737	jaysinghrothbol766@gmail.com	Jay
11	NAMRATHA	ENG16EC0050	7204272977	namratha9353@gmail.com	Namratha
	ANJANADEVI.M	-	-	-	-
12	ASMITHA RAMESH	ENG16CT0006	7892304301	asmitha251998@gmail.com	Asmitha
	ANURAG GUPTA	ENG16CT0004	9709731929453	anuraggupta199805@gmail.com	Anurag
14	MD AQUIB KHAN	ENG16CT0016	8017381403	khanaquibmd@gmail.com	Khan

Dayananda Sagar University

&

CSI Student Chapter

Bengaluru

Department of Computer Science & Engineering

Workshop on : Digital Image Processing Using MATLAB- Part 2

Date:09/02/2019 **Morning Session**

Sl.NO	Name	USN	Phone-no	Email-id	Signature
1	B. Durga Prasad Reddy	ENG16CS0028	9701157139	durgaprasad17x@gmail.com	
2	D. DINESH KUMAR	ENG16CS0034	9591446259	d.dinesh1029@gmail.com	
3	MUDIYALA ANUSHA	ENG17CS0132	9550932234	anusha.mudiyala809@gmail.com	
4	MEHREEN WAFA	ENG17CS0126	8892137200	mehreencwafa2702@gmail.com	
5	MEGHANA.V	ENG17CS0125	7795986415	meganavmurthy@gmail.com	
6	MUPPLLA BHARGAVI	ENG17CS0134	8309126517	muppallabhargavi.03@gmail.com	
7	THANUJA.N	ENG16CS0179	9739159956	thanujanagaraju@gmail.com	N. Thuja
8	CHANDANA MK	ENG16CS0199	7338415410	chandanakishor@gmail.com	Chandana MK
9	S. SRI ARCHANA	ENG16CT0037	9738608510	sri.archana05@gmail.com	

Dayananda Sagar University
&
CSI Student Chapter
Bengaluru

Department of Computer Science & Engineering

Workshop on : Digital Image Processing Using MATLAB- Part 2

Date:09/02/2019 **Afternoon Session**

Sl.NO	Name	USN	Phone-no	Email-id	Signature
1	ABDULHAMID ABDULLAHI	ENG17CA0001	7406055951	abdulhamidwdl@gmail.com	Abmdil
2	RAKSHITHA.M	ENG16CS0121	9538368989	rakshithamx7@gmail.com	Rakshitha
	ROOPA.R	ENG16CS0127	9008783563	roopaa208@gmail.com	Roopa.R
4	Thanuja.N	ENG16CS0179	9739159956	thanujanagaraju@gmail.com	N.Thuja
5	Chandana MK	ENG16CS0199	7338415410	chandanakishore@gmail.com	Chandana MK
6	B.DURGA PRASAD	ENG16CS0028	9701157139	dhanush18113251@gmail.com	Durga
7	YASASWINI B	ENG16CS0196	8310550218	yasaswini0405@gmail.com	Ya
8	Deeksha.A	ENG16CS0035	9036623148	deekshareddy85@gmail.com	deek
9.	Y. ANOOP REDDY	ENG16CS0198	8019687840	reddytinku55@gmail.com	
10.	KRUPALAKSHMI BC	ENG16CS0067	9741593141	bckrupalakshmi@gmail.com	
11	NIHARIKA.S.R	ENG16US0093	8147196570	niharika.sr3@gmail.com	Niharika
12	MALAVIKA SAJITH	ENG16EC0043	9731756737	malu.sajith@gmail.com	Malu.
13	HARSHA RAVIRAJ SANNAPPANAVAR	ENG16CT0011	7899570490	harshars1998@gmail.com	
14	PRINSTON REBELLO	ENG16CS0111	8971927785	prinstonrebello@gmail.com	Prinston
15.	SMITA GIRI	ENG16EC0077	9830574509	smitagiri1998@gmail.com	S-Giri.

Dayananda Sagar University
&
CSI Student Chapter
Bengaluru

Department of Computer Science & Engineering

Workshop on : Digital Image Processing Using MATLAB- Part 2

Date:09/02/2019 **Afternoon Session**

Sl.NO	Name	USN	Phone-no	Email-id	Signature
1.	AFREEN NAAZ	ENG17CS0015	8660766643	sufiyannaaznt@gmail.com	Afreen
2.	ALFIYA ANJUM M	ENG17CS0025	9113660906	alfiyaanjum1234@gmail.com	Alfiya.M
	ADITYAVARDHAN SINGH	ENG17CS0013	7829553187	adityavardhansingh324@gmail.com	AV Singh
4.	KILARI CHANDU	ENG16CS0063	7022365457	kilarichandu60@gmail.com	k.Chandu
5.	MONIKA.B	ENG16CS0082	9663927175	monikabgowda82@gmail.com	B.monika
6.	CHAVA BHAVANA	ENG16CS0033	8296619457	bhavanabhargavi.99@gmail.com	Ch.Bhavana
7.	APOORVA JAGANNATHAN	ENG16CS0021	8296610422	appujag0711@gmail.com	Apoorva Jagannathan
8.	GOWRI.S.GOKARN	ENG16CS0046	8971727194	gowrisgokarn@gmail.com	Gowri.S.G.
9	V. ANANTH KRISHNA	ENG16CS0184	8886846610	ananthadiga937@gmail.com	A
10.	JAYDIVYAKUMAR	ENG16EC0034	9513164737	jayesinghrathod766@gmail.com	Jaydivyakumar
11.	~~NAMRATHA ANJANADEVI~~	~~ENG16EC0050~~			
11)	NAMRATHA ANJANADEVI.M	ENG16EC0050	7204272977	namratha9353@gmail.com	Namratha

Dayananda Sagar University

&

CSI Student Chapter

Bengaluru

Department of Computer Science & Engineering

Workshop on : Digital Image Processing Using MATLAB- Part 2

Date:09/02/2019 **Afternoon Session**

Sl.NO	Name	USN	Phone-no	Email-id	Signature
1.	MUDIYALA ANUSHA	ENG17CS0132	9550932234	anusha-mudiyala 809@gmail.com	
2.	MEHREEN WAFA	ENG17CS0126	8892187200	mehreenwafa2702@gmail.com	
3	MEGHANA.V	ENG17CS0125	7795986415	meganavmurthy@gmail.com	
4.	MUPPALLA BHARGAVI	ENG17CS0134	8309126517	Muppallabhargavi03@gmail.com	
5	ABHILASH.VA	ENG17EC0001	9880507105	aabhilash070@gmail.com	
6.	AKSHAY.G	ENG17EC0008	7090441267	jiakshayy@gmail.com	
7	MOHAN KUMAR.A	ENG17EC0062	9900585485	mohankumar5254385@gmail	
8.	DHARANPRASAD.M	ENG17EC0028	9731307526	dharanprasadcad@gmail.com	
9.	J.LITHESH KUMAR	ENG17EC0049	9148261570	lithesh kumarj@gmail.com	
10	ALEN STEIN REJI	ENG17EC0009	9632008285	alensstein143@gmail.com	

Dayananda Sagar University

School of Engineering
Department of Computer Science & Engineering
Hosur Main Road, Kudlu Gate
Bengaluru-560 068

Remedial Class Time Table for Academic year 2021-2022 Room No :S226

Program: B.Tech (CSE) **Class: VI** Semester

	8:45-9.45	9:45-10:45	10:45-11	11:00-12:00	12:00-1:00	1:00-1:45	1:45-2.45	2:45-3:45	3:45-4:45
Monday	CDSS	CDSS	BREAK	CDSS	CDSS	BREAK	SEPM	SEPM	SEPM
Tuesday	CN	CN		CN	CN		PE -III	PE -III	PE -III
Wednesday	SEPM	SEPM		OE - I			SEPM	SEPM	OE - I
Thursday	PE – II	PE – II		PE – II	PE – II		CN	CN	OE - I
Friday	CDSS	CDSS		CDSS	CN		PE – II	PE – II	PE – II
Saturday	PE -III	PE - III		PE -III	PE - III		OE - I	OE - I	OE - I

Course Name		Faculty Incharge
Compiler Design and System Software (19CS3601)		Prof.Rashmi/Dr.Dalvin/Prof.Debasmita/Prof.Ankita/Prof.Monish
Computer Networks (19CS3602)		Dr.Renuka Devi/Dr. Mouleeswaran/ Prof.Pooja/Dr.Kumaresan/Prof.Reshma/Dr.Banga M K
Software Engineering and Project Management (19CS3603)		Dr .Bondu Venkateswaralu/ Prof.Roshni/Prof.Sharvari/Prof.Swetha Patil/ Dr.Meenakshi Malhotra/ Prof.Naveen/Dr.Kiran B Malagi
Open Elective - I (19OE)		----------
Professional Elective – II	Machine Learning for Health Care (19CS3611)	Dr. Jayavrinda Vrindavanam
	Data Science (19CS3613)	Dr. Basavaraj Hiremath/Dr. Jayita Saha/Dr. Revathi/Dr. Pramod Naik/Prof. Shivamma D
Professional Elective – III	Mobile Computing and Apps Development (19CS3614)	Prof. Ranjini/Dr. Tina Babu /Prof.Pavithra/Dr. Monika Goyal
	Introduction to Blockchain & Distributed Ledger (19CS3618)	Prof. CVSN Reddy/ Dr. Pramod Kumar/ Prof. Nandini K
	UG Research Project – I/ Product Development Foundation – I (19CS3612)	

5/6/22

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Road,
BANGALORE - 560 068

Dayananda Sagar University

School of Engineering

Department of Computer Science & Engineering

Hosur Main Road, Kudlu Gate Bengaluru-560068

Remedial Classes Time Table for the Academic year 2021-2022

Program: B.Tech (CSE) Class: IV Semester RoomNo:T302

	8:45-9.45	9:45-10:45	10:45-11	11:00-12:00	12:00-1:00	1:00-1:45	1:45-2.45	2:45-3:45	3:45-4:45
Monday	P & S	P & S	B R E A K	P & S	P & S	B R E A K	PMCO	PMCO	PMCO
Tuesday	FAFL	FAFL		FAFL	FAFL		FSD/AI/DS/EH	FSD/AI/DS/EH	FSD/AI/DS/EH
Wednesday	OODJ	OODJ		OODJ	OODJ		IN & CS	IN & CS	IN & CS
Thursday	PMCO	PMCO		PMCO	PMCO		P & S	P & S	P & S
Friday	FSD/AI/DS/EH	FSD/AI/DS/EH		FSD/AI/DS/EH	FSD/AI/DS/EH		FAFL	FAFL	FAFL
Saturday	IN & CS	IN & CS		IN & CS	IN & CS		OODJ	OODJ	OODJ

Course Name	Faculty Incharge
Probability and Statistics (20CS2401)	Dr.Komala B/Prof. Supriya Devi/Dr.Aman Chawla
Object Oriented Design and Programming (20CS2402)	Dr.Jayita Saha/Prof. Geetha A/Prof. Pavithra/Prof. Nandini/Prof. Swetha Patil/Dr.Kumaresan/Prof.Shwetha GS/Prof.Veena/Dr.Monika Goyal
Principles of Microprocessors & Computer Organization (20CS2403)	Dr. Savitha Hiremath/Dr. Bharanidharan/Dr.Renukadevi/Dr.Debanjali/Prof.Nazmin/Prof.Shwetha/Prof. Kavya/Prof.Hariharan
Finite Automata and Formal Languages (20CS2404)	Prof. Nazmin/Prof.Ankita/Prof.Pooja/Prof.Ramandeep/Prof.Naveen/Prof.Kavya/Prof.Meghana/Prof.Trupti
Introduction to Networks and Cyber Security (20CS2405)	Dr.Mouleeswaran/Prof.Chhaya/Prof.Reshma/Prof.Gousia/Prof.Kalpana/Prof.Arunkumar Khannur/Prof.Vaidehi

5/6/22

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE-560068

DAYANANDA SAGAR UNIVERSITY

Department of Computer Science & Engineering Hosur Main Road, Kudlu Gate Bengaluru-560 068

Remedial Classes Tlme Table for **Academic** year 2021-2022

Program: B. Tech (CSE) **Class:** VIII Semester

	8:45-9.45	9:45-10:45	10:45-11	11:00-12:00	12:00-1:00	1.00-1:45	1:45-2.4	2:45-3:45	3:45—4:45
*Monday			BREAK			BREAK			
*Tuesday									
*Wednesday									
*Thursday									
Friday	CV/SN &A	CV/SN &A		CV/SN &A	CV/ SN&		FSD	FSD	FSD
Saturday	IE-II	IE-II		IE-II	IE-II		OT	OT	OT

*NOTE: Monday - Thursday conduct remedial classes if there is no internship.
Subject teachers kindly coordinate with the students for the slots and take attendance respectively.

Course Name		**Faculty Handling**
Dept Elective-VII	Computer Vision	Dr. Rajesh T M
	Social Network and Analytics	Dr. Revathi/Prof. Sharvari/ Prof. Savita Vijay/ Prof. Ranjini/ Prof. Geetha A
Institutional Elective IE - II	Aircraft System and Instrumentation(l6IE470) Renewable Energy Sources (16lE464) Product and Industrial Design(16IE46S) Sensors Networks and Protocols (161E421) Automotive Embedded Systems (161Fs423) Innovation & Entrepreneurship(16lE442) Logistics and Supply Chain Management **Business Intelligence**	**Dr. Shaila SG / Prof. Amrutha**
Backlog Subjects	Full Stack development Optimization Techniques	Prof.Gousia Prof.Ka1pana

5/6/22

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University

Dept of CSE, SOE, DSU

Remedial Student List Fifth Sem 2021-22

USN	NAME	CGPA	Finite Automata and Formal Language (19CS3501)	Operating Systems (19CS3502)	Object oriented design & programming with Java (19CS3503)	Data Base Management Systems (19CS3504)	Elective 1 E1
ENG19CS0022	AKSHAY R KUMAR	5.91		✓	-	P	P
ENG19CS0045	ARYAN MOHAN MENON	5.6	P	✓	Ab	P	P
ENG19CS0067	BUDIDETI SAI SANTHOSH REDDY	5.76		✓		P	P
ENG19CS0068	CALVIN PAIVA	5.45	P	-		P	P
ENG19CS0163	MADHUSUDHAN REDDY P	5.89	P	✓		P	P
ENG19CS0338	THRINESH S	5.79	P	✓		P	P
ENG18CS0057	BAINENI GAYATHRI	5.75		✓	Ab		P
ENG18CS0065	CHAITHANYA V REDDY	5.37	P	✓		P	P
ENG18CS0153	M V ARCHITA	5.92			Ab	P	
ENG18CS0173	MOLDIREDDY KISHORE KUMAR REDDY	5.33	P	✓			P
ENG20CS1016	THANIGAI VIMAL	5.8	P	✓		P	P

7/6/22

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Ma...
BANGALORE - 560 068

Dept. of CSE, SOE, DSU

Remedial Student List Seveth Sem 2021-22

USN	NAME	CGPA	Machine Learning (ML)	Embedded Systems (ES)	Optimization Techniques (OT)	Law for Engineers (LE)	Web Programming (WEB)	Elective V EL-5	Elective VI EL-6
ENG18CS0078	D CHAITANYA SRIKAR	5.75	✓	P	✓		P	P	P
ENG18CS0117	J V CHETAN	5.87	✓	P	✓		Ab	P	P
ENG18CS0169	MOHAMMED KASHIF	5.95	✓	P	✓		P	P	Ab
ENG18CS0237	SADUM LOHITH BRIZNATH	5.74	✓	P	✓		Ab	P	P
ENG18CS0228	RISHAB RK SHANDILYA	5.25	✓	P	✓		P	P	P
ENG18CS0302	TUSHAR RANJAN JHA	5.95	—		✓		P	P	P
ENG18CS0303	UMESH J	5.94	✓	P	✓		P:		Ab
ENG18CS0324	VISHNU PRASAD M	5.4	✓	P	✓		P	P	P
ENG17CS0074	GAURAV KUMAR	4.41	✓	P	✓		P	P	P
ENG17CS0258	YASHWANT K R SINGH	5.28	✓	P	✓		P	P	P
ENG16CS0051	HARSHITHA M	5.03	✓	P	✓		Ab	P	P
ENG16CS0120	RAKKESH	5.05	—				P	P	P
ENG16CS0131	S SURIYA	5.69	—	P			P	P	Ab
ENG17CS0002	ABDULLAH ALAWI AHMED ALHAMED	5.37	✓	P	✓		P	P	P
ENG17CS0004	ABDULRAHMAN SALEH SALEM HADI SAQRAN	5.94	✓	P	✓		P	P	P
ENG17CS0006	ABHINAV GIRIDHAR	5.79	—	P	✓		Ab.	P	P
ENG17CS0089	HARSHITHA M R	5.84	✓	P	✓		P	P	Ab
ENG17CS0163	PRINCE PRASHANT	5.23	—	P	✓		P	P	P
ENG17CS0170	RAJ SHEKHAR BHAUMIK	5.36	✓	P	✓		P	P	P
ENG17CS0224	SUPRITH M	5.18	✓	P	✓		P	P	P
ENG19CS1001	AKHILESHKUMAR SAHANI	5.84	✓	P	✓		P	P	P
ENG19CS1013	SACHIN N P	5.17	✓	P	✓		P.	P	P.

7/6/22

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Dept. of CSE, SOE, DSU

Remedial Student List Third Sem 2021-22

USN	NAME	CGPA	Discrete Mathematical Structures	Data Structures	Digital Electronics and logic Design	Database Management System	Computational Thinking with Python	Agile Software Engineering
ENG18CS0018	ADITYA KRISHNA	5.88	P	✓		P	Present	P
ENG20CS0049	AYUSH RAJ PANDA	5.79	P	✓		P	P	P
ENG20CS0135	K CHAAKRIKA	5.98			Ab	P	P	P
ENG20CS0198	MOHAMMAD TABISH H A	5	P	✓		P	P	P
ENG20CS0275	RAJESH PANIGRAHI	5.17	P		Ab	P	P	P
ENG20CS0384	THARANI M	5.88	.	✓		P	P	P
ENG20CS0009	ABRAHAM P BIJU	5.4	P	✓		P	P	P
ENG20CS0050	AYUSHMAN JOSHI	5.4	P	✓		P	P	P
ENG20CS0095	DUGGI REDDY VISWANATH	5.5	P		Ab	P	P	P
ENG20CS0124	J KARTHIK	5.36		✓		P	P	P
ENG20CS0328	SHAMANTH	5.9	P			P	P	P
ENG20CS0403	VARUNESH A	5.95		✓		P	P	P
ENG20CS0418	YOGDEEP G	5.67	P	✓		P	P	P
ENG20CS0428	RAHUL BHATTACHARYA	5.29	P	✓	Ab.	P	P	P

5/6/22

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Dayananda Sagar University

School of Engineering
Department of Computer Science & Engineering
Hosur Main Road, Kudlu Gate Bengaluru-560068

Remedial Classes Time Table for Academic year 2021-2022
(OddSemester) Program:B.Tech(CSE) **Class: III** Semester

	8:45-9.45	9:45-10:45	10:45-11	11:00-12:00	12:00-1:00	1:00-1:45	1:45-2.45	2:45-3:45	3:45-4:45
Monday	DS	DS		DBMS	DBMS		CTPY		
Tuesday	DS	DS		DBMS	DBMS		CTPY		
Wednesday	ASE			DELD	DELD		DELD		DELD
Thursday	DELD			ASE	ASE		CTPY		
Friday	DMS	DMS		DMS	DMS		ME	ME	ME
Saturday	AdHoc	AdHoc		AdHoc	AdHoc		AdHoc	AdHoc	AdHoc

CourseName	Faculty Handling		
Discrete Mathematical Structures	Dr.Anuradha B	Dr.Deepika T	Dr. Srikumar
Data Structures	Prof.Tina Babu	Prof.Arjun	Dr.Pramod Naik
Digital Electronics and logic Design	Dr. Savitha	Prof.Pooja	Dr.Renuka Devi M N
Database Management System	Prof.Pooja Pandey	Prof.Pooja Pandey	Dr. Kiran B Malagi
Computational Thinking with Python	Prof.Bindu M	Prof. Krishna Sowjanya	Prof.Arpitha M N
Agile Software Engineering	Dr. Kiran B Malagi	Dr.Bondu Venkateswarlu	Dr.Mouleeswaran S K
Management and Entrepreneurship	Dr.Vijayalakshmi	Dr.Vijayalakshmi	Dr.Venkaesh Prasad
Data Structures Lab	Prof.Tina Babu	Prof.Arpitha M N	Dr.Pramod Naik
Database Management System Lab	Prof.Shradha Naik	Prof.Pooja Pandey	Dr. Kiran B Malagi

TimeTableCoordinators:

Prof.Sharvari Prof. ArpithaD Prof.Cauvery Raju

ChairmanCSE 7/12/21

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road
BANGALORE - 560 068

Dayananda Sagar University

School of Engineering
Department of Computer Science & Engineering
Hosur Main Road, Kudlu Gate Bengaluru-560068

Remedial Classes Time Table for Academic year 2021-2022 (Odd Semester)

Program: B. Tech (CSE) **Class: V** Semester

	8:45-9.45	9:45-10:45	10:45-11	11:00-12:00	12:00-1:00	1:00-1:45	1:45-2.45	2:45-3:45	3:45-4:45
Monday	OS			OS			OODJ	OODJ	OODJ
Tuesday	OS			OS	OS		OODJ	OODJ	OODJ
Wednesday	DBMS	DBMS		DBMS	DBMS		FAFL	FAFL	FAFL
Thursday	DBMS	DBMS		E1	E1		E1	E1	E1
Friday	FAFL	FAFL		FAFL	FAFL		E1	E1	E1
Saturday	AdHoc	AdHoc		AdHoc	AdHoc		AdHoc	AdHoc	AdHoc

Course Name		Faculty Handling		
Finite Automata and Formal Language(19CS3501)		Prof. Pooja Pandey	Dr. Gudla Balakrishna	Prof. Nazmin
Operating Systems(19CS3502)		Prof. Bhargavi Mokashi	Prof. Lavanya B	Dr. Girisha G S
Object oriented design & programming with Java (19CS3503)		Prof. Shweta S A	Prof. Neelam	Dr. Meenakshi
Data Base Management Systems(19CS3504)		Prof. KarishmaChavhan	Prof. Gaurav Kumar	Prof. VaidehiVerma
Operating Systems Lab		Prof. Shradha Naik	Prof. AlkaAgarwal/ Dr. Mouleeswaran	Prof. Kalpana
Elective 1 E1	Cyber security	Prof. AlkaAgarwal/ Dr. Mouleeswaran	Prof. Krishna Sowjanya K/ Prof. Bindu M/ Prof. Savitha V/ Prof. Suha	Prof. AlkaAgarwal/ Dr. Mouleeswaran
	Cloud Computing	Prof. Krishna Sowjanya K/ Prof. Bindu M/ Prof. Savitha V/Prof. Suha	Prof. C V S N Reddy	Prof. Krishna Sowjanya K/ Prof. Bindu M/ Prof. Savitha V/ Prof. Suha
	Deep Learning	Prof. C V S N Reddy		Prof. C V S N Reddy

Time Table Coordinators:
Prof. Sharvari J N Prof. Arpitha D Prof. Cauvery Raju

Chairman CSE 7/12/21

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Dayananda Sagar University

School of Engineering
Department of Computer Science & Engineering
Hosur Main Road, Kudlu Gate Bengaluru-560068

Remedial Classes Time Table for Academic year 2021-2022 (Odd Semester)

Program: B. Tech (CSE) **Class: VII** Semester

	8:45-9.45	9:45-10:45	10:45-11	11:00-12:00	12:00-1:00	1:00-1:45	1:45-2.45	2:45-3:45	3:45-4:45
Monday	ML	ML	Short Break	OT	OT	Lunch Break	ML	ML	ML
Tuesday	ML	ML		OT	OT		OT	OT	OT
Wednesday	ML	ML		EL-6	EL-6		EL-6	EL-6	EL - 6
Thursday	EL-5	EL-5		ES-5	EL-5		EL-6	EL-6	EL - 6
Friday	EL-6	EL-6		EL-6	EL-6		OT	OT	OT
Saturday	IE	IE		IE	IE				

Course Name		Faculty Handling		
Machine Learning (ML)		Dr. Revathi V	Prof. Ranjini K	Dr. Rajesh
Embedded Systems (ES)		Dr. Girisha	Prof. Hariharan V	Prof. Arpitha D
Optimization Techniques (OT)		Prof. Kalpana	Prof. Umashankari	Dr. GudlaBalakrishna
Law for Engineers(LE)		Dr. Ananthakrishna	Dr. Ananthakrishna	Dr. Ananthakrishna
Web Programming (WEB)		Prof. Cauvery/Prof. Gousia	Prof. Cauvery/Prof. Gousia	Prof. Cauvery/Prof. Gousia
Elective V EL-5	Machine Learning for Health Care	Dr. JayitaSaha	Dr. JayitaSaha	Dr. JayitaSaha
	Full Stack Development(FSD)	Prof. Cauvery/Prof. Gousia	Prof. Cauvery/Prof. Gousia	Prof. Cauvery/Prof. Gousia
Elective VI EL-6	Data Warehouse and Data Mining (DWDM)	Dr. Bondu/Dr. Rajesh/Dr. Neelam	Dr. BonduVenkat/Dr. Rajesh/NF-1	Dr. BonduVenkat/Dr. Rajesh/NF-1
	Cryptography (CRYP)	Prof. ChhayaDhule	Prof. ChhayaDhule	Prof. ChhayaDhule
	Introduction to Block chain	Dr. Anbunathan	Dr. Anbunathan	Dr. Anbunathan
	Natural Language Processing (NLP)	Dr. Basavaraj	Dr. Basavaraj	Dr. Basavaraj
Institutional Elective IE	Evolution of Telecommunication/Fundamentals of Automobile Engg/Introduction to Entanglement & Quantum Computing /Total Quality Mgmt/Introduction to Aerospace Engg/Product Engg& Entrepreneurship			

Time Table Coordinators:
Prof. Sharvari J N
Prof. Arpitha D Prof. Cauvery Raju

Chairman CSE 7/12/21

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Remedial Student List 4th Sem 2021-22

USN	NAME	CGPA	PMCO	FAFL	P&S	AI FSD/AI/ /DS	OODJ
ENG18CS0018	ADITYA KRISHNA	5.88	P	✓	P		✓
ENG20CS0049	AYUSH RAJ PANDA	5.79	P	✓	P		✓
ENG20CS0135	K CHAAKRIKA	5.98	P	✓	P		✓
ENG20CS0198	MOHAMMAD TABISH H A	5	P	✓	P		✓
ENG20CS0275	RAJESH PANIGRAHI	5.17	P	✓	P		✓
ENG20CS0384	THARANI M	5.88	P	✓	P		✓
ENG20CS0009	ABRAHAM P BIJU	5.4	P	✓	P		✓
ENG20CS0050	AYUSHMAN JOSHI	5.4	P	✓	P		✓
ENG20CS0095	DUGGI REDDY VISWANATH	5.5	P	—	P		✓
ENG20CS0124	J KARTHIK	5.36	P	✓	P		✓
ENG20CS0328	SHAMANTH	5.9	P	✓	P		✓
ENG20CS0403	VARUNESH A	5.95	P	✓	P		✓
ENG20CS0418	YOGDEEP G	5.67	P	✓	P		✓
ENG20CS0428	RAHUL BHATTACHARYA	5.29	P	✓	P		✓

7/12/21

Chairman / HOD
Computer Science Engg. Dept.
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Remedial Student List 8th Sem 2021-22										
USN	NAME	CGPA	CV	SNA	IE-ii					
ENG18CS0078	D CHAITANYA SRIKAR	5.75	✓	P						
ENG18CS0117	J V CHETAN	5.87	✓	P						
ENG18CS0169	MOHAMMED KASHIF	5.95	✓	P						
ENG18CS0237	SADUM LOHITH BRIZNATH	5.74		P						
ENG18CS0228	RISHAB RK SHANDILYA	5.25	✓	P						
ENG18CS0302	TUSHAR RANJAN JHA	5.95	✓	P						
ENG18CS0303	UMESH J	5.94		P						
ENG18CS0324	VISHNU PRASAD M	5.4		P						
ENG17CS0074	GAURAV KUMAR	4.41	✓	P						
ENG17CS0258	YASHWANT K R SINGH	5.28	✓	P						
ENG16CS0051	HARSHITHA M	5.03								
ENG16CS0120	RAKKESH	5.05	✓	P						
ENG16CS0131	S SURIYA	5.69	✓	P						
ENG17CS0002	ABDULLAH ALAWI AHMED ALHAMED	5.37		P						
ENG17CS0004	ABDULRAHMAN SALEH SALEM HADI SAQRAN	5.94	✓	P						
ENG17CS0006	ABHINAV GIRIDHAR	5.79	✓	P						
ENG17CS0089	HARSHITHA M R	5.84		P						
ENG17CS0163	PRINCE PRASHANT	5.23	✓	P						
ENG17CS0170	RAJ SHEKHAR BHAUMIK	5.36	✓							
ENG17CS0224	SUPRITH M	5.18	✓	P						
ENG19CS1001	AKHILESHKUMAR SAHANI	5.84	✓	P						
ENG19CS1013	SACHIN N P	5.17	✓	P						

7/12/21

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Remedial Student List sixth Sem 2021-22									
USN	NAME	CGPA	Compiler Design and System Software	Computer Networks	Software Engineering and Project Management	Professional Elective – II	Professional Elective – III		
ENG19CS0022	AKSHAY R KUMAR	5.91	✓	P	P				
ENG19CS0045	ARYAN MOHAN MENON	5.6	✓	P	P				
ENG19CS0067	BUDIDETI SAI SANTHOSH REDDY	5.76	✓	P	P				
ENG19CS0068	CALVIN PAIVA	5.45	✓	P	P				
ENG19CS0163	MADHUSUDHAN REDDY P	5.89	✓	P	P				
ENG19CS0338	THRINESH S	5.79	✓	P	P				
ENG18CS0057	BAINENI GAYATHRI	5.75	✓	P	P				
ENG18CS0065	CHAITHANYA V REDDY	5.37	✓	P	P				
ENG18CS0153	M V ARCHITA	5.92	✓	P	P				
ENG18CS0173	MOLDIREDDY KISHORE KUMAR REDDY	5.33	✓	P	P				
ENG20CS1016	THANIGAI VIMAL	5.8	✓	P	P				

7/12/21

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068

Identifying Slow Learners & Advanced Learners

1. The slow learners and advanced learners are identified based on their performance. Students with SGPA < 7.00 are categorized as slow learners and students with SGPA >= 8.5 are categorized as advanced learners.
2. The list of slow learners and advanced learners are prepared and informed to the mentors.

Using Technology to Cater to Learning Needs

Intelligent Tutors for Personalized Learning

Diversity has long been recognized as an important component for a student community. Promoting diversity necessitates a move away from a one-size-fits-all approach in education.

A personalized learning approach is needed to ensure that all students in a class reach the same degree of conceptual and ability comprehension. Today, however, technology has become much more available, allowing teachers to design their own learning systems. The release of Cognitive Tutor Authoring Tools (CTAT) (http://ctat.pact.cs.cmu.edu/), a free tutor authoring software, has allowed any instructor, to create their own customized tutor for their students.

A tutor was constructed for personalized learning of the arrays topic in 'Data Structures & Applications' course to demonstrate its efficacy through learning analytics data. By splitting a complex problem-solving exercise into a reasonable number of easy to master steps, the online tutor helped pace student learning in bite-sized mini drills. Fine grained analysis of student interaction data with our tutor showed that solving the exercise consisted of several steps. By fitting student data to an exponential decay type learning curve, it showed that students got better as they worked with our tutor, indicating learning. The aspects of student learning were split by analyzing three important features: prior knowledge (knowledge students have before working with tutor), learning rate (quantity indicating how fast students master a skill), and residual error (learning gaps that students are left with, even after completing tutoring exercise). While some skills were easy for students to learn, others were relatively hard, as indicated by differences in learning rate. This work was carried out in collaboration with Prof. Vasudeva Aravind Rao (Clarion University, USA).

Paper Publications

1) https://library.iated.org/view/ARAVIND2019PRO
2) https://www.researchgate.net/publication/343022222_Intelligent_Tutors_for_Personalized_Learning_in_Online_Environment_Challenges_and_Opportunities

Special Programs & Activities for Slow Learners

1. Question bank based on previous university question papers will be given to slow learners by the course faculty.
2. Slow learners are given more problems to solve (make-up assignments) to prepare for university exams.

3. In class, special attention will be given to develop the confidence of slow learners. They are encouraged to explain a subject to their peers after the Professor has explained it to them.
4. Peer learning is facilitated during lab sessions to allow slow learners to make friends with advanced students.
5. Frequent phone calls and messages will be sent to their parents and regular monitoring is done by the mentor.
6. Slow learners are given online free YouTube video tutorial information to enable them to revise at their leisure. They are encouraged to engage in externships.
7. Slow learners are encouraged to capture and upload videos of their comprehension of a subject to YouTube to boost their confidence.
8. Slow learners are encouraged to enroll in and complete certification courses as part of their Continuous Internal Assessment.
9. For slow learners, free online AI-based tutoring services are used to facilitate hint-based learning.

Special Programs & Activities for Fast Learners

1. Special attention is given during the class to including fast learners in peer teaching to develop their leadership skills.
2. Fast learners are encouraged to study for competitive exams.
3. They are inspired to complete ambitious mini projects and compete in quizzes and hackathons.
4. Fast learners are motivated to continue their higher education.
5. They are encouraged to attend conferences and present their project work.
6. Fast learners participate in different Department committees as a student representative.

Department of Computer Science & Technology
School of Engineering
Dayananda Sagar University

2015 Batch

NAME OF SLOW LEARNER WITH CGPA
SIDDANTH S - 6.15
SINDHU - 6.57
KAUSHIK - 6.82

Slow Learner – Activity Proof			
Student Name	**USN**	**Course Name**	**Course Code**
Sindhu HD	DSU15CT0007	Mini-Project	15CT381

Proof of student Sindhu HD completing a certification course as part of her Continuous Internal Assessment

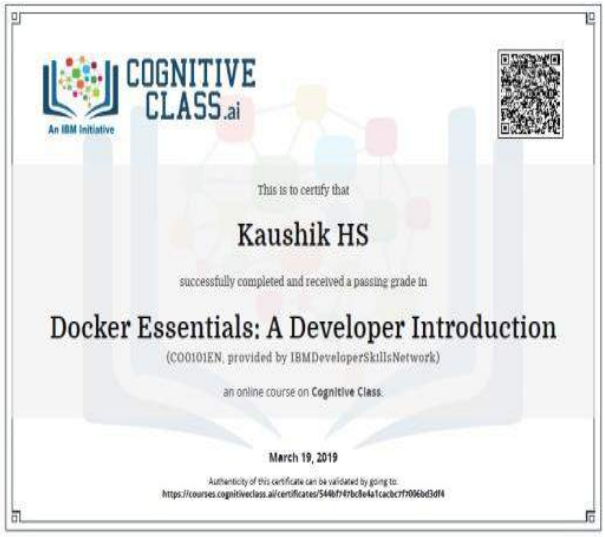


Department of Computer Science & Technology
School of Engineering
Dayananda Sagar University

Slow Learner – Activity Proof			
Student Name	**USN**	**Course Name**	**Course Code**
Kaushik HS	DSU15CT0002	Project	15CT483
Siddhanth S	DSU15CT0006		

Proof of students completing free online certification courses as part of their Continuous Internal Assessment









Department of Computer Science & Technology
School of Engineering
Dayananda Sagar University

2016 Batch

NAME OF SLOW LEARNER WITH CGPA
AJAY R - 6.65
CHAITHANYA R - 6.29
G RISHAB RAO - 6.80
KARNESH - 6.04
KULDEEP CHOUDHARY - 5.48
NISCHAL NAG N - 6.87
NISHANT BHAT - 5.36
RAVIKANTH S B - 6.66
SHRISHAIL R SASALATTI - 6.37
SURYAPRAKASH L - 6.49
UMI SALMA - 6.95

Slow Learner – Activity Proof			
Student Name	**USN**	**Course Name**	**Course Code**
Karanesh G	ENG16CT0012	Web Programming	16CT330
Nishant Bhat	ENG16CT0020		

Proofs of students engaging in externship as part of their 'Web Programming' course.



LANDform scape idea centre

No. 173, 3rd Main, Kanaka Layout, 2nd Phase, Padmanabha Nagar, BSK 2nd Stage, Bengaluru - 560070.
Ph. No.: 080-26667974, E-mail: landform2005@yahoo.com, Website: www.landform.co.in

30/04/2019

To,
The Dr. Jaasma Balasangameshwara,
Associate Professor
Computer Technology 6th sem
M/s. Dayanand Sagar College
Bangalore

Dear Madam,

Sub: Externship

This is to inform you that Nishant Bhat and Karanesh.G from Dayanand Sagar University Kudlu Gate who is studying in 3rd year Engineering in Computer technology had approached our Company for doing their externship.We have offered them to develop our company website by May 15th 2019.

We are into landscaping activity,where in we design and execute and take up the AMC for the gardens,The company is 14years old with projects mainly in Bangalore and few outstation.

Thanks & Regards,

Bharathi
Partner
94484 35743

Department of Computer Science & Technology
School of Engineering
Dayananda Sagar University

Slow Learner – Activity Proof			
Student Name	**USN**	**Course Name**	**Course Code**
Ajay R	ENG16CT0001	Mini-Project	16CT382
Karanesh RG	ENG16CT0012		

Proof of students completing free online certification courses as part of their Continuous Internal Assessment





Department of Computer Science & Technology
School of Engineering
Dayananda Sagar University

2017 Batch

NAME OF SLOW LEARNER WITH CGPA
PRATEEK A - 6.38
J P NOUMITA - 6.50
SOMASHEKAR R - 6.90

Slow Learner – Activity Proof			
Student Name	**USN**	**Course Name**	**Course Code**
Naumitha JP	ENG17CT0006	Cloud Computing & Applications	16CT401

Proof of students completing free online certification courses as part of their Continuous Internal Assessment



2015 Batch

Slow-Learners & Average Learner Teaming for Project Work



IEEE

The International Conference on
Cloud Computing in Emerging Markets, 2019
Pre-conference Workshop
held on 1st March'19 at The Oterra, Electronics City, Bengaluru.

is pleased award this participation certificate, in the category of Student-Project-Showcase, to
Kaushik H S
(of Dayananda Sagar University, Bengaluru)
in appreciation of his co-authoring and presenting a proposal titled:
'Implementation of Blockchain in Property Management System using Hyperledger'
with Laveena N and Siddhanth S.

Dr. Gopal Pingali, Steering Committee Chair
Sreekrishnan Venkiteswaran, General Chair
Raj Tumuluri, General Chair
Dr. T.S.Mohan, Steering Committee Chair

2016 Batch

NAME OF FAST LEARNER WITH CGPA
ANJANA RANJAN - 8.61
M G MANODNYA - 8.78
PRASHANT DWIVEDI - 8.67
SANJANA HEMANT - 8.84
SHASHANK VAIDYANATHAN - 8.66

Fast Learner – Activity Proof			
Student Name	**USN**	**Course Name**	**Hackathon**
Anjana Ranjan	ENG16CT0003	Mini-Projects	https://www.dsu.edu.in/news-events/events-engineering/events-engineering-march-19/hertech-hackathon

2017 Batch

NAME OF FAST LEARNER WITH CGPA
ARSAL IMTIAZ (ENG17CT0003)- 8.68

Proof of an advanced learner registering for higher education.

GRADUATE STUDIES

UNIVERSITY of ROCHESTER

Dear Arsal,

I am pleased to inform you that you have been admitted to graduate studies in Arts, Sciences and Engineering. **Congratulations!** Your record of past achievement is very impressive, and I look forward to the realization of your promise for advanced study at the University of Rochester. Our motto, Meliora, is more than just a slogan. It's a shared value and way of life. We hope you'll join us as we strive to make the world ever better.

The details of your admission and financial support are stated below. Please carefully review this information for graduate studies in Arts, Sciences and Engineering. Your program may send additional information under separate cover.

Admission Details

Full Name: Arsal Imtiaz
Program: Computer Science
Degree: Master's
Time Status: Full Time
Matriculation Term: Fall 2021
Response Deadline: April 15, 2021

Financial Support

Tuition Scholarship: 30% of full-time tuition costs.

Please note that this admission offer, including any financial package, is contingent upon receipt and verification of all official copies of transcripts with degree conferral listed, test scores, and other required documentation prior to orientation.

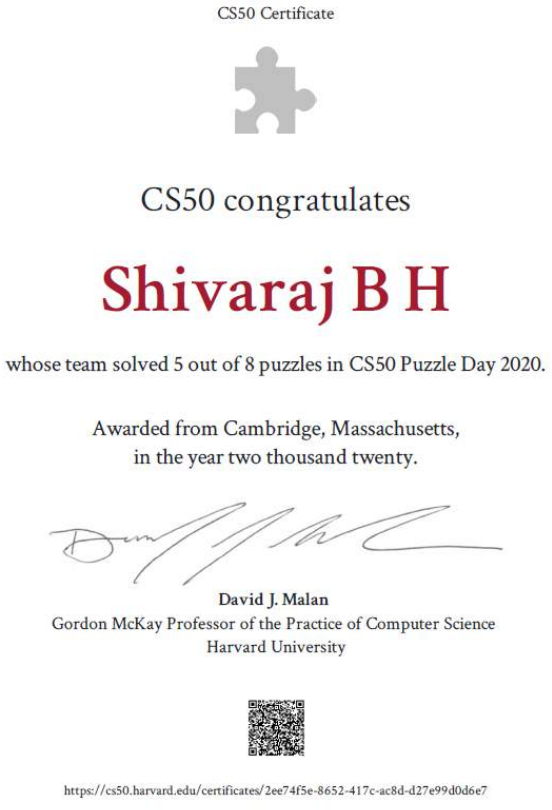
For any year in which you receive a scholarship, grant or stipend from a private or government source intended to cover tuition, fees and expenses associated with your education, ("External Funding") the University may reduce its financial contribution up to the amount of the External Funding. You are required to disclose to the University any External Funding that you expect to receive or have received for any year in which you receive University financial award. Failure to make that disclosure may result in discipline, up to and including your separation from the program.

Arts, Sciences and Engineering • 585.275.2059 • graduate.admissions@rochester.edu
School of Medicine and Dentistry • 585-275-4522 • gramadm@urmc.rochester.edu
Warner School of Education and Human Development • 585.275.3950 • admissions@warner.rochester.edu

2018 Batch

NAME OF FAST LEARNER WITH CGPA
ANOOP MANIKANTA S (ENG18CT0002) - 8.80
KUMARI SHOUMYA (ENG18CT0017) - 8.59
PRANITA D (ENG18CT0023) - 9.04
SAI SANJANA T (ENG18CT0027) - 9.15
SHIVARAJ B H (ENG18CT0028) - 9.08

Proofs of advanced learner winning hackathon and clearing quiz at international level.



CS50 Certificate

CS50 congratulates

Shivaraj B H

whose team solved 5 out of 8 puzzles in CS50 Puzzle Day 2020.

Awarded from Cambridge, Massachusetts,
in the year two thousand twenty.

David J. Malan
Gordon McKay Professor of the Practice of Computer Science
Harvard University

https://cs50.harvard.edu/certificates/2ee74f5e-8652-417c-ac8d-d27e99d0d6e7



CENTER FOR INNOVATION INCUBATION

Merge.

LEARNING LINKS FOUNDATION

CERTIFICATE OF APPRECIATION

AWARDED TO

PRANITA D

for securing **THIRD** position in the **OPEN INNOVATION CHALLENGE, 2020** conducted by the Centre of Innovation and Incubation (CII), National Institute of Technology, Warangal.

Dr. Srihari Rao Patri
(President CII)

Dr. Anjaneyulu Lokam
(Vice President CII)

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

SLOW LEARNER AND FAST LEARNER 2018-2019 BATCH

SL. NO	NAME OF FAST LEARNER WITH CGPA	NAME OF SLOW LEARNER WITH CGPA
1	T B AJAY KUMAR - 7.12(SGPA)	A AATHIRA RAJAGOPAL - 6.80
2	ANOOP MANIKANTA S - 8.86	RAHUL V M - 6.18(SGPA)
3	ASHWIN CHATTA SRINIVAS - 7.18	BALUSA SAI SATHWIK - 6.92
4	DEVAKI POOJITHA - 8.05	C S LOKESH - 6.81
5	HARINATH S - 8.38	HRITHIK KAUL - 6.65
6	HASMITHA B HEGDE - 7.83	RAJESH S NAIDU -6.73
7	HEENA KOUSER - 8.13	V N SAI ASHISH - 6.41
8	JAHNAVI KRISHNA K - 8.22	
9	K M KARTHIK - 7.38	
10	KISHORE KUMAR R - 8.29	
11	KSHITIJ JAYANT KURANDWAD - 8.16	
12	KUMARI SHOUMYA - 8.69	
13	MUDALIAR KARTHIK SHANKAR - 7.72	
14	NISCHAL KRISHAN - 7.70	
15	P SAI ALEKHYA - 8.28	
16	PRANATHI CHITTURI - 8.38	
17	PRANITA D - 9.07	
18	PUNITH KUMAR B G - 8.18(SGPA)	
19	RIYANNA LYNN DSOUZA - 8.20	
20	SAI SANJANA T - 9.02	
21	SHIVARAJ B H - 8.85	
22	SOUPARNIKA H S - 7.64	
23	TEJASWINI SHETTY - 8.55	
24	TRISHAL DAYANANDA - 7.23	
25	UPPARA HARIHARAN - 8.07	
26	V DIKSHITH - 7.05	
27	YASASVI TENNETY - 8.59	

Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY
SLOW LEARNER AND FAST LEARNER 2019-2020 BATCH

SL. NO	NAME OF FAST LEARNER WITH CGPA	NAME OF SLOW LEARNER WITH CGPA
1	AISHWARYA SHETTY - 8.09	MEGHANA S - 6.64(SGPA)
2	AMITASH M S - 7.71	VENKAT VILEK S - 4.68(SGPA)
3	ANAND SINGH TANWAR - 8.03	AKASH PANDEY - 5.68(SGPA)
4	APEKSHA PRABHU - 8.59	ALISHA CHINMAYEE - 5.59(SGPA)
5	BINDHUSHREE K - 7.29	CHELLA SAI KEERTHANA - 6.05(SGPA)
6	DHANUSH K - 7.97	KESHAV V - 3.77(SGPA)
7	DHARSHAN K - 8.88	MOHAMMAD MOINUDDIN ANSARI -4.50(SGPA)
8	GAURAV GUPTA - 8.73	SAMARTH M SHARMA - 5.73(SGPA)
9	HEMALATHA J - 7.50	SANCHITA J ELLUR - 6.18(SGPA)
10	K AMULYA - 8.32	SHIVAM SRIVASTAVA - 5.91(SGPA)
11	K DURGA SAI ASHISH - 7.21	SHREYAS B U - 4.14(SGPA)
12	KEVIN HENRY - 7.79	SHYAM SUNDAR SINGH -6.93
13	LAKSHMI REDDY - 8.44	VAMSHI R - 6.95
14	M CHANDARA KUMAR - 7.79	
15	MANOJ H - 7.04	
16	NANDAN ANANTRAY PAI - 8.27	
17	NEHAL N RAO - 7.82	
18	NOOR POONIA - 8.78	
19	PANDEY SHIVANSH SURENDRA -7.74	
20	PIYUSH SHARMA - 8.82	
21	PREETHI NAYAK M - 7.66	
22	RACHANA D - 8.50	
23	RAHUL K P - 8.23	
24	RUBEEN SAKEENA - 7.28	
25	S ADNAN MOHAMED - 7.62	
26	SAKAR DUBEY - 8.25	
27	SAUMYA ANAND - 8.94	
28	SAYANTAN KUMAR - 8.22	
29	SHAMBHAVI SHAKTISINGH JHALA - 8.51	
30	SUCHITRA SWAIN - 9.35	
31	SUMEDH HAGALDIVTE - 8.79	
32	SYED SUHAIL SALAHA - 8.53	
33	VANDAN S - 7.24	
34	VIKAS D - 7.18	

Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY
SLOW LEARNER AND FAST LEARNER 2020-2021 BATCH

SL. NO	NAME OF FAST LEARNER WITH CGPA	NAME OF SLOW LEARNER WITH CGPA
1	ABHAS AGNIHOTRI - 7.52	AYUSH MISHRA - 4.16(SGPA)
2	ABHIJEET SAHOO - 8.75	DAKSHA S - 5.12(SGPA)
3	ADITYA A NAVALE - 7.05	MANOGNA YARAGAL - 5.52(SGPA)
4	ANISAH MANIKYA WAINAH - 8.03	MUCHARLA NIKHIL GUPTHA - 6.87
5	ANSH GUPTA - 7.67	NIHAL PRASAD N B - 6.79
6	BHOOMIKA S - 7.81	RAKSHITH RAJ B G - 3.96(SGPA)
7	DEEPAK B G - 7.86	SAI SKANDHA SARAVANAN - 3.84(SGPA)
8	DHANUSH S - 7.01	SHASHIKALA M S - 5.00(SGPA)
9	DIVYASHREE M HEBBAR - 7.44	SHRAYA RAMAMOORTHY - 0.00(SGPA)
10	KEERTHI A REDDY - 7.95	SHUBHAM RAJ KASHYAP - 6.80(SGPA)
11	MOHITH B - 8.16	VINNAKOTI SRI NAGA AKSHAY - 4.04(SGPA)
12	POORNASHREE PRIYANKA K - 8.34	
13	PRAJJWAL MISHRA - 8.32	
14	R PUNITH RAJ - 8.22	
15	R SHUSHANK - 7.86	
16	RUCHI SINGHAL - 7.12(SGPA)	
17	SATHVIK P - 8.34	
18	THARUN G NAIDU - 8.14	
19	VAIBHAV S - 7.84	
20	VENKATA GOKUL MANDA - 7.15	
21	VINAY T S - 7.40	

Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

Dayananda Sagar University

School of Engineering

Kudlu Gate, Hosur Main Road,
Bengaluru - 560068

Department of Electronics and Communication Engineering

Session: Jan-May 2019

Semester: 6th A

Antenna and Wave propagation (16EC307)

Week learners and Fast learners

Remedial measures for week learners

The weak student in Antenna and Wave Propagation (16EC307) subject is identified based on the performance of IA test1. The students who have scored less than 5 are asked to attend remedial classes which is held from 23-02-2019 to 27-04-2019. In remedial classes extra problems and previous year question papers have been solved and also guided the students, how to approach a different variety of numerical.

Proofs – Attendance Sheet

Sample copy of numericals and question paper solved.

For advance learners

Advanced learners have been given opportunity to present latest trends in the subject to enhance the knowledge.

Example: Fractal antenna, Microstrip antenna, different types of log periodic antennas.

Mini projects were also given that provides exposure to learn the antenna design tool.

Proofs – Power point presentation

Antenna Design file

Report.

K. R. Manasa 20/2/19

Manasa K R

Course coordinator

Dr. Vaibhav A Meshram

Chairman, ECE

Scanned by TapScanner

Dayananda Sagar University

School of Engineering

Kudlu Gate, Hosur Main Road,
Bengaluru - 560068

Department of Electronics and Communication Engineering

Antenna and Wave Propagation (16EC307)

Remedial class attendance

Sl. No	USN	Name	23/2	01/3	08/3	15/3	23/3	23/3	30/3	05/4	13/4	13/4	26/4
1	ENG16EC0009	ANKIT KUMAR	1	Ab	2	3	Ab	Ab	4	5	6	7	8
2	ENG16EC0010	ANKIT KUMAR	1	2	Ab	3	4	5	6	7	8	9	Ab
3	ENG16EC0011	ANKIT VERMA	Ab	1	2	3	4	5	6	7	Ab	Ab	8
4	ENG16EC0012	ANN MARY	1	2	3	4	Ab	Ab	5	6	7	8	Ab
5	ENG16EC0013	ANUDEEP NAGARAJA	1	2	3	Ab	4	5	6	Ab	7	8	9
6	ENG16EC0014	ANUGALA NIKHIL	Ab	1	2	3	Ab	Ab	4	5	6	7	8
7	ENG16EC0021	CHETAN V	1	2	Ab	3	4	5	6	7	Ab	Ab	8
8	ENG16EC0025	DEYESHENE NAG	1	Ab	2	3	4	5	Ab	6	7	8	9
9	ENG16EC0027	FOINA ALJO	1	Ab	2	3	4	5	6	Ab	7	8	9
10	ENG16EC0031	HARSHA R	1	2	3	Ab	4	5	6	7	8	9	10
11	ENG16EC0034	JAY DIVYA KUMAR	1	2	3	4	Ab	Ab	5	6	7	8	9
12	ENG16EC0036	KALLUMADI BABA SOHAIL	1	Ab	Ab	2	3	4	5	6	7	8	9
13	ENG16EC0038	L ANANTH NAIK	1	2	3	4	5	6	Ab	7	8	9	Ab
14	ENG16EC0041	MAAZEN S PASHA	1	2	3	4	5	6	7	8	Ab	Ab	9
15	ENG16EC0043	MALAVIKA SAJITH	1	2	3	4	5	6	Ab	7	8	9	10

-

K.R.Manasa

Manasa K R
Course coordinator

30/4/19

Dr. Vaibhav A Meshram
Chairman, ECE, SoE, DSU

Scanned by TapScanner

USN | | | | | | | | | | |

EC7T3

Seventh Semester B.E. Degree Examination, June/July 2011
Antenna and Wave Propagation

Time: 3 hrs. Max. Marks:100

Note: *Answer any FIVE full questions.*

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

1 a. Explain the relationship between directivity and beam width. **(06 Marks)**

b. Explain basic principle of radiation using basic radiation equation. **(05 Marks)**

c. Explain the following terms with respect to antenna :
i) Band width ii) Effective height iii) Radiation intensity. **(09 Marks)**

2 a. State and prove reciprocity theorem as applied to antennas. **(07 Marks)**

b. Find the directivity for the following power pattern :

$$U = U_m \sin\theta \sin^2\phi \; ; \; 0 \le \theta \le \pi \; ; \; 0 \le \phi \le \pi$$ **(08 Marks)**

c. Derive FRII's transmission formula. **(05 Marks)**

3 a. A radio link has a 15W transmitter to an antenna of $2.5m^2$ effective aperture at 5 GHz. The receiving antenna has an effective aperture of $0.5m^2$ and is located at a 15 km line of sight distance from the transmitting antenna. Assume lossless, matched antennas. Find the power delivered to the receiver. **(06 Marks)**

b. Synthesize an array having two isotropic point source of same amplitude and phase, separated by a distance $\frac{d}{2}$ placed symmetric with respect to origin. Draw the radiation pattern. **(10 Marks)**

Downloaded from A-ZShiksha.com

c. Explain the principle of pattern multiplication. **(04 Marks)**

4 a. Write explanatory note on :
i) Yagi-Uda antenna ii) Log periodic antenna. **(10 Marks)**

b. Briefly explain the short dipole antenna. **(04 Marks)**

c. With related diagrams, explain the parabolic reflector. **(06 Marks)**

5 a. Write brief notes on : i) Medium frequency antennas, ii) HF antennas. **(10 Marks)**

b. Explain the method of :
i) Directivity measuring ii) Gain of an antenna measuring **(10 Marks)**

6 a. Briefly explain surface wave propagation. **(06 Marks)**

b. With a relevant diagram, explain duct propagation. **(08 Marks)**

c. Explain 'TROPOSCATTER' propagation with related diagrams. **(06 Marks)**

7 a. Derive an expression for MUF. **(08 Marks)**

b. What is skip distance? Explain with a neat diagram. **(08 Marks)**

c. A high frequency radio link has to be established between two points on the earth 2000 km away. The reflection region of the ionosphere is at a height of 200 km and has a critical frequency of 6 MHz. Calculate the MUF for the given path. **(04 Marks)**

8 Write explanatory notes on : **(20 Marks)**
a. Horn antenna b. Turnstile antenna c. Babinet's principles d. Critical frequency.

* * * * *

ANTENNA AND WAVE PROPAGATION.

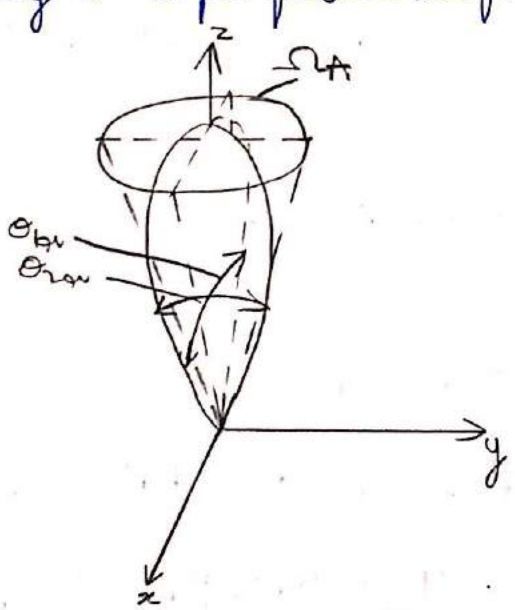
ASSIGNMENT.

(20 MD)

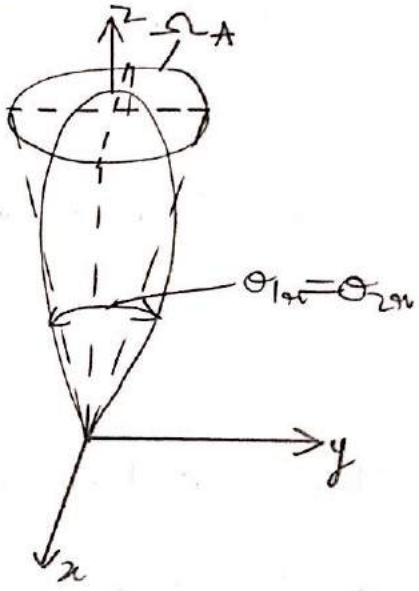
CHETAN.V.
ENG18EC0021
ECE-6A

1a. Explain the relationship between directivity and beam width.

Instead of using the exact expression $D_0 = 4\pi/\Omega_A$ to compute the directivity, it is often convenient to derive simpler expressions, even if they are approximate, to compute the directivity. These can also be used for design purposes. For antennas with one narrow major lobe and very negligible minor lobes, the beam solid angle is approximately equal to the product of the half-power beamwidths in the two perpendicular planes as shown. For a rotationally symmetric pattern, the half-power beamwidths in any two perpendicular planes are the same.



(a) Nonsymmetrical pattern



(b) Symmetric pattern

With this approximation, $D_0 = 4\pi/\Omega_A$ can be approximated by

$$D_0 = \frac{4\pi}{\Omega_A} = \frac{4\pi}{\theta_{1r}\theta_{2r}} \longrightarrow (1)$$

The beam solid angle Ω_A has been approximated by

$$\Omega_A = \theta_{1r}\theta_{2r} \longrightarrow (2)$$

Scanned with CamScanner

where

θ_{1r} = half-power beamwidth in one plane (rad)
θ_{2r} = half-power beamwidth in a plane at a right angle to the other (rad)

If the beamwidths are known in degrees, ① can be written as

$$D_0 = \frac{4\pi(180/\pi)^2}{\theta_{1d}\theta_{2d}} = \frac{41,253}{\theta_{1d}\theta_{2d}} \longrightarrow ③$$

where

θ_{1d} = half-power beamwidth in one plane (degrees)
θ_{2d} = half-power beamwidth in a plane at a right angle to the other (degrees)

For planar arrays, a better approximation to ③ is

$$D_0 = \frac{32,400}{\Omega_A(\text{degrees})^2} = \frac{32,400}{\theta_{1d}\theta_{2d}}$$

11a. Explain basic principle of radiation using basic radiation equation.

A The theory of radiation begins with the basic Maxwell's equations. Therefore, to understand the radiation process, a critical look at Maxwell's equations is more than essential. Since for wave propagation all the field quantities have to be time varying, with the presumption of sinusoidal variation, all field quantities considered may be characterized by the term $e^{j\omega t}$.

Basic Maxwell's equations -

Maxwell's equations can be written in differential and integral forms. For present study, the differential form of equations is

Scanned with CamScanner

- wave suited. The relevant equations involving electric field E, electric flux density D, magnetic field intensity H, magnetic flux density B, current density J and the charge density ρ are given below.

$\nabla \times H = J + \partial D/\partial t$ (in general),
$\nabla \times H = \partial D/\partial t$ (if $J=0$) and $\nabla \times H = J$ (for dc field) (1a)
$\nabla \times E = -\partial B/\partial t$ (in general) and $\nabla \times E = 0$ (for static field) (1b)
$\nabla \cdot D = \rho$ (in general) and $\nabla \cdot D = 0$ (for charge-free region, i.e., $\rho = 0$) (1c)
$\nabla \cdot B = 0$ (1d)

The field equations involved in (1) are connected by the following relations:

$D = \varepsilon E$ (2a)
$B = \mu H$ (2b)
$J = \sigma E = E/\rho$ (2c)

In (2), ε is the permittivity, μ is the permeability, σ is the conductivity and ρ is the resistivity ($\rho = 1/\sigma$) of the medium. It is to be noted that the symbols ρ involved in (1c) and (2c) represent entirely different quantities. Besides the above, the other relevant equations are

$$V = \int \frac{\rho_L \, dl}{4\pi\varepsilon R} = \iint \frac{\rho_s \, ds}{4\pi\varepsilon R} = \iiint \frac{\rho_v \, dv}{4\pi\varepsilon R} \quad (3a)$$

$E = -\nabla V$ (3b)

$\nabla^2 V = -\rho/\varepsilon$ (in general) and $\nabla^2 V = 0$ if $\rho = 0$ (3c)

In (3a), V is the scalar electric potential; ρ_L, ρ_s and ρ_v are line, surface and volume charge densities; and R is the distance between the source and the point at which V is to be evaluated.

$$A = \int \frac{\mu I \, dl}{4\pi R} = \iint \frac{\mu K \, ds}{4\pi R} = \iiint \frac{\mu J \, dv}{4\pi R} \quad (4a)$$

Scanned with CamScanner

$B = \nabla \times A$ (4b)

$\nabla^2 A = -\mu J$ (in general) and $\nabla^2 A = 0$ for $J = 0$ (4c)

In (4), A is the vector magnetic potential, I is the current, K is the surface current density and J and R are the same as defined earlier.

1c. Explain the following terms with respect to antenna:

i) Band width

ii) Effective height

iii) Radiation intensity.

i) Band width—

The band width of an antenna refers to the range of frequencies over which the antenna can operate correctly. The antenna band width is the number of Hz for which the antenna will exhibit an SWR less than 2:1.

The band width can also be described in terms of percentage of the center frequency of the band.

$$BW = 100 \times \frac{F_H - F_L}{F_c}$$

where F_H is the highest frequency in the band, F_L is the lowest frequency in the band, and F_c is the center frequency in the band.

ii) Effective height—

The effective height h (meters) of an antenna is a parameter related to the aperture. Multiplying the effective height by the incident field E (volts per meter) of the same polarization gives the voltage V induced. Thus,

Scanned with CamScanner

$V_{ind} = h_{eff} \cdot E_{in}$.

Accordingly, the effective height may be defined as the ratio of the induced voltage to the incident field, or

$$h_{eff} = \frac{V_{ind}}{E_{in}}.$$

Thus another way of defining effective height is to consider the transmitting case and equate the effective height and to the physical height (or length l) multiplied by the (normalized) average current, or

$$h_e = \frac{1}{I_0} \int_0^{h_p} I(z)\, dz = \frac{I_{av}}{I_0} h_p \quad \text{meters}$$

where h_e = effective height, m
h_p = physical height, m
I_{av} = average current, A

It is apparent that effective height is a useful parameter for transmitting dipole-type antennas. It also has an application for small antennas. The parameter effective aperture has more general application to all types of antennas.

iii) Radiation Intensity—

Intensity of any quantity represents its concentration along a given direction. Thus radiation intensity represents the concentration of radiation along a given direction. Since radiation is represented in terms of the power radiated into space, we may define radiation intensity formally as the "power radiated per unit solid angle of space". The normalized power pattern can also be expressed in terms of this parameter as the ratio of the radiation intensity $U(\theta, \phi)$ as a function of angle, to its maximum value; Thus,

$$P_n(\theta, \phi) = \frac{U(\theta, \phi)}{U(\theta, \phi)_{max}} = \frac{S(\theta, \phi)}{S(\theta, \phi)_{max}}.$$

Scanned with CamScanner

Where, as the Poynting vector S depends on the distance from the antenna (varying inversely as the square of the distance), the radiation intensity U is independent of the distance, assuming in both cases that we are in the far field of the antenna.

Radiation Intensity is mathematically expressed as,

$$U = r^2 W_{rad}$$

where, U = Radiation Intensity (W/unit solid angle)
W_{rad} = Radiation density (W/m^2)

The Radiation Intensity is also related to the far-zone electric field of an antenna by,

$$U(\theta,\phi) = \frac{r^2}{2\eta}|E(r,\theta,\phi)|^2 = \frac{r^2}{2\eta}\left[|E_\theta(r,\theta,\phi)|^2 + |E_\phi(r,\theta,\phi)|^2\right]$$
$$\simeq \frac{1}{2\eta}\left[|E_\theta(\theta,\phi)|^2 + |E_\phi(\theta,\phi)|^2\right]$$

where,
E = far-zone electric field intensity of the antenna
E_θ, E_ϕ = far-zone electric field components of the antenna
η = intrinsic impedance of the medium.

Thus the power pattern is also a measure of the radiation intensity.

The total power is obtained by integrating the radiation intensity, as given by $U = r^2 W_{rad}$, over the entire solid angle of 4π. Thus

$$P_{rad} = \oint_\Omega U\, d\Omega = \int_0^{2\pi}\int_0^{\pi} U \sin\theta\, d\theta\, d\phi$$

where, $d\Omega$ = element of solid angle = $\sin\theta\, d\theta\, d\phi$

For an isotropic source, U will be independent of the angles θ and ϕ, as was the case for W_{rad}.

Scanned with CamScanner

$$P_{rad} = \oint_{\Omega} U_o \, d\Omega = U_o \oint_{\Omega} d\Omega = 4\pi U_o.$$

on the radiation intensity of an isotropic source as,

$$U_o = \frac{P_{rad}}{4\pi}.$$

2d. State and prove reciprocity theorem as applied to antennas.

The reciprocity theorem applied to antenna is stated as

"If an emf is applied to the terminals of an antenna A and the current measured at the terminals of another antenna B, then an equal current (in both amplitude and phase) will be obtained at the terminals of antenna A if the same emf is applied to the terminals of antenna B."

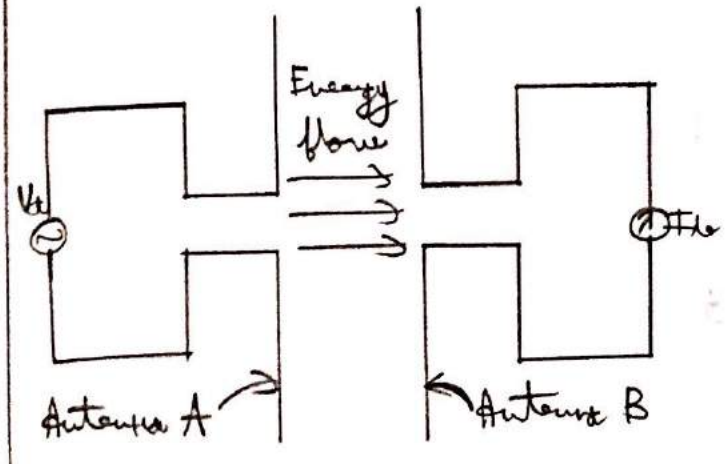
Proof-

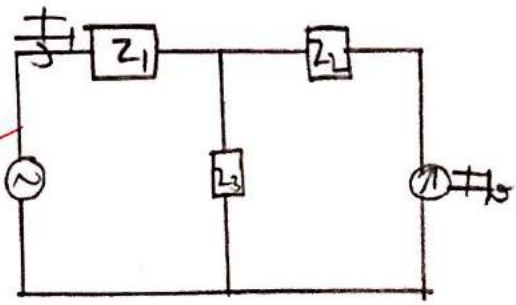
Consider two antennas A and B as shown. The reciprocity theorem says that

(i) If $V_{ab} = V_{cd}$, $I_{cd} = I_{ab}$

(ii) Transfer impedance $Z_{cdab} = Z_{abcd}$.

i.e., $\frac{V_{cd}}{I_{ab}} = Z_{cdab} = Z_{abcd} = \frac{V_{ab}}{I_{cd}}$





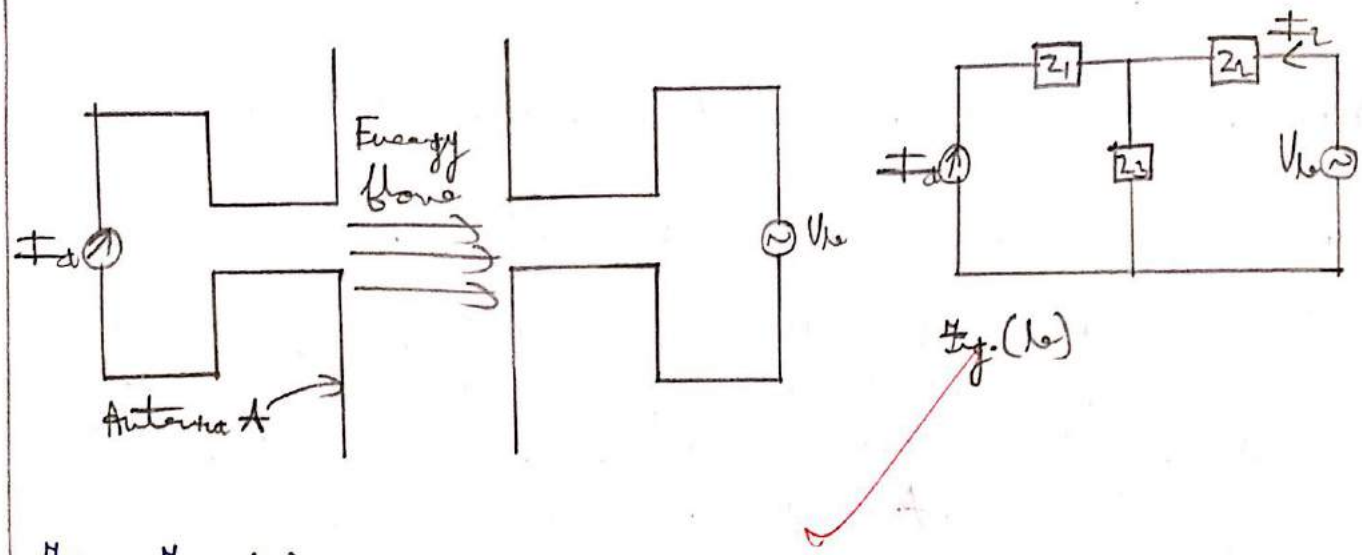
Eq. (d)

Scanned with CamScanner

From Eq. (a),

$$I_b = \frac{I_1 Z_3}{Z_1 + Z_3} = \frac{V_a}{Z_1 + \frac{Z_2 Z_3}{Z_2 + Z_3}} \cdot \frac{Z_3}{Z_2 + Z_3}$$

$$I_b = \frac{V_a Z_3}{Z_1 Z_2 + Z_2 Z_3 + Z_3 Z_1}$$



From Eq. (b),

$$I_a = \frac{I_2 Z_3}{Z_1 + Z_3} = \frac{V_b}{Z_2 + \frac{Z_1 Z_3}{Z_1 + Z_3}} \cdot \frac{Z_3}{Z_1 + Z_3}$$

$$I_a = \frac{V_b Z_3}{Z_1 Z_2 + Z_2 Z_3 + Z_3 Z_1}$$

2b. Find the directivity for the following power pattern:

$$U = U_m \sin\theta \sin^2\phi ; \quad 0 \le \theta \le \pi ; \quad 0 \le \phi \le \pi$$

$$P = \oint_{\Omega} U \, d\Omega$$

$$P = \int_0^{\pi} \int_0^{\pi} U_m \sin^2\theta \sin^2\phi \, d\theta \, d\phi$$

$$= U_m \int_0^{\pi} \sin^2\theta \, d\theta \int_0^{\pi} \sin^2\phi \, d\phi$$

Scanned with CamScanner

$$= \frac{U_m}{4} \int_0^{\pi} (1 - \cos 2\theta)\, d\theta \int_0^{\pi} (1 - \cos 2\phi)\, d\phi$$

$$= \frac{U_m}{4} \left[\left(\theta - \frac{\sin 2\theta}{2}\right)_0^{\pi} \cdot \left(\phi - \frac{\sin 2\phi}{2}\right)_0^{\pi} \right]$$

$$= \frac{U_m}{4} \left[\left(\pi - \frac{\sin 2\pi}{2} - 0 + \frac{\sin(0)}{2}\right) \cdot \left(\pi - \frac{\sin 2\pi}{2} - 0 + \frac{\sin(0)}{2}\right) \right]$$

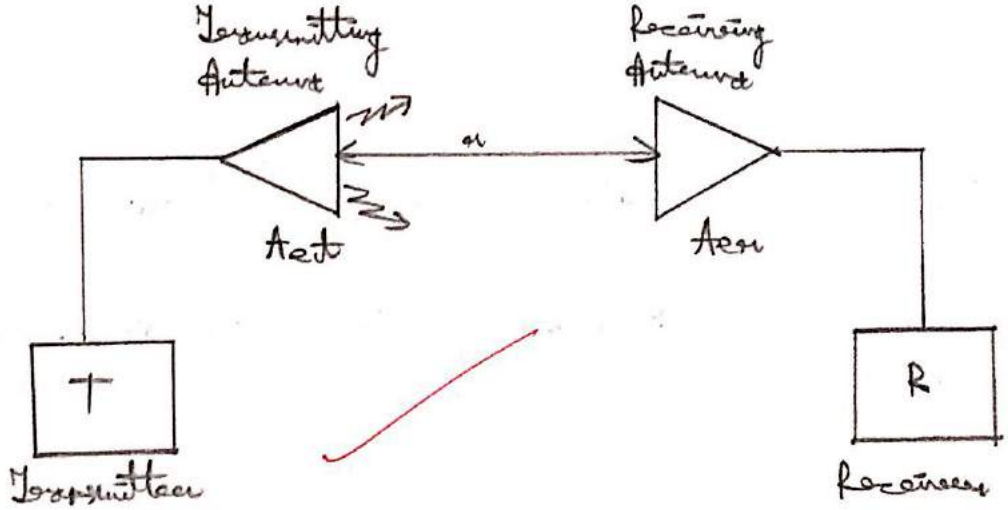
$$= \frac{U_m}{4} [\pi \cdot \pi]$$

$$= \frac{U_m \pi^2}{4} = 4\pi U_0$$

$$\text{Directivity, } D = \frac{U_m}{U_0} = \frac{8\pi}{\pi^2} = \frac{8}{\pi} = 2.5464$$

2c. Derive FRII's transmission formula.

The usefulness of the aperture concept is well illustrated by using it to derive the important "FRII's transmission formula."



By referring the above figure, the formula gives the power received across a radio communication link. Assuming lossless, matched antennas, let the transmitter feed a power Pt to a transmitting antenna of effective aperture Aet. At a distance R, a receiving antenna of effective aperture Aer intercepts some of the power radiated by the transmitting

Scanned with CamScanner

antenna and delivers it to the receiver R. Assuming for the moment that the transmitting antenna is isotropic, the power per unit area available at the receiving antenna is,

$$S_R = \frac{P_t}{4\pi r^2} \quad \text{Watts.}$$

If the antenna has gain G_t, the power per unit area available at the receiving antenna will be increased in proportion as given by,

$$S_R = \frac{P_t G_t}{4\pi r^2} \quad \text{Watts.}$$

Now the power collected by the lossless, matched receiving antenna of effective aperture A_{eR} is,

$$P_R = S_R A_{eR} = \frac{P_t G_t A_{eR}}{4\pi r^2} \quad \text{Watts.}$$

The gain of the transmitting antenna can be expressed as,

$$G_t = \frac{4\pi A_{et}}{\lambda^2}$$

Substituting this in P_R equation yields the FRII's transmission formula.

$$\frac{P_R}{P_t} = \frac{A_{eR} A_{et}}{r^2 \lambda^2} \quad \text{(dimensionless)} \Rightarrow \text{FRII's transmission formula}$$

where,
P_R = Received Power, Watts
P_t = Transmitted Power, Watts
A_{et} = Effective aperture of transmitting antenna, m^2
A_{eR} = Effective aperture of receiving antenna, m^2
r = distance between Antennas, m
λ = Wavelength, m.

Scanned with CamScanner

3a. A radio link has a 15W transmitter to an antenna of 2.5m² effective aperture at 5GHz. The receiving antenna has an effective aperture of 0.5m² and is located at a 15km line of sight distance from the transmitting antenna. Assume lossless, matched antennas. Find the power delivered to the receiver

$P_t = 15W, A_{et} = 2.5m^2, f = 5GHz, A_{er} = 0.5m^2, r = 15km$

$$\lambda = \frac{c}{f} = \frac{3\times10^8}{5\times10^9} = 0.06\ m$$

By FRII's transmission formula,

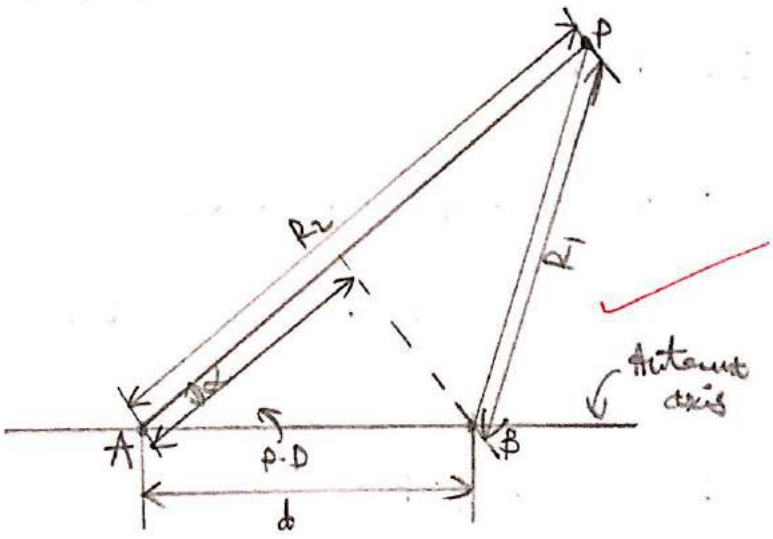
$$\frac{P_r}{P_t} = \frac{A_{er}A_{et}}{r^2\lambda^2}$$

$$\therefore P_r = \frac{P_t A_{er} A_{et}}{r^2\lambda^2}$$

$$= \frac{15\times 2.5\times 0.5}{(15\times10^3)^2\times(0.06)^2}$$

$$\boxed{P_r = 23.148\,\mu W}$$

3b. Synthesize an array having two isotropic point source of same amplitude and phase, separated by a distance d/2 placed symmetric with respect to origin. Derive the radiation pattern.



Scanned with CamScanner

The figure above shows a two-element array consisting of isotropic radiators A and B respectively, kept at a distance of d meters from each other in space. Assume that the antennas are oriented in such a way that the earth's reflection is absent in the radiation pattern. It is assumed that the antennas are excited either by a common source or by a group of individual sources that are related to one another.

Let E_A and E_B be the field strengths, due to antennas A and B, respectively, at point P, where P is a receiving point. Let $PA = R_2$ and $PB = R_1$ be the respective distances between antennas A and B and point P. Then, the field strength at P can be found by using the parallelogram law of forces. Thus, we have the resultant electric field strength at P given by,

$$E_R^2 = E_A^2 + E_B^2 + 2E_A E_B \cos\theta$$

where θ is the phase angle between E_A and E_B. θ in turn is given by,

$$\theta = \phi + \frac{2\pi}{\lambda} (\text{path difference})$$

where ϕ is the phase difference between the currents exciting at A and B.

P.D. is the path difference between the paths R_1 and R_2.

$$\therefore \text{P.D.} = R_2 - R_1 = d\cos\alpha.$$

where d is the distance between the antennas.

$$\therefore E_R^2 = E_A^2 + E_B^2 + 2E_A E_B \cos\left(\phi + \frac{2\pi}{\lambda} \cdot d\cos\alpha\right)$$

Assuming $E_A = E_B = E_0$, we find

Scanned with CamScanner

$$E_R^2 = 2E_0^2 + 2E_0^2 \cos\left(\phi + \frac{2\pi}{\lambda} d\cos\alpha\right)$$

$$= 2E_0^2\left[1 + \cos\left(\phi + \frac{2\pi}{\lambda} d\cos\alpha\right)\right]$$

Using the trigonometric identity,

$$\cos\theta = 2\cos^2\left(\frac{\theta}{2}\right) - 1$$

We get

$$E_R^2 = 2E_0^2\left[1 + \cos^2\left(\frac{\theta}{2}\right) - 1\right] = 4E_0^2\cos^2\left(\frac{\theta}{2}\right)$$

Taking the square root,

$$E_R = 2E_0\cos\left(\frac{\theta}{2}\right) = 2E_0\cos\left(\frac{\phi}{2} + \frac{\pi}{\lambda} d\cos\alpha\right)$$

If powers is of equal magnitude and in phase; $d = \lambda/2$, $\phi = 0$;

Array factor $E = \dfrac{E_{total}}{E_{total\ max}}$

$$= \frac{2E_0\cos\left(\frac{\phi}{2} + \frac{\pi}{\lambda} d\cos\alpha\right)}{2E_0}$$

$$E = \cos\left(\frac{\phi}{2} + \frac{\pi}{\lambda} d\cos\alpha\right)$$

$$E = \cos\left(\frac{\pi}{\lambda} \cdot \frac{\lambda}{2}\cos\alpha\right) = \cos\left(\frac{\pi}{2}\cos\alpha\right)$$

Peaks – The peaks are obtained when

$$\cos\left(\frac{\pi}{2}\cos\alpha\right) = 1$$

This satisfies when,

$$\alpha = \pm 90^\circ.$$

Scanned with CamScanner

Nulls – The nulls are obtained when

$$\cos\left(\frac{\pi}{2}\cos\alpha\right) = 0$$

This satisfies when,

$$\alpha = \pm 0°, \pm 180°.$$

Half power – The half power points are obtained when

$$\cos\left(\frac{\pi}{2}\cos\alpha\right) = \frac{1}{\sqrt{2}}$$

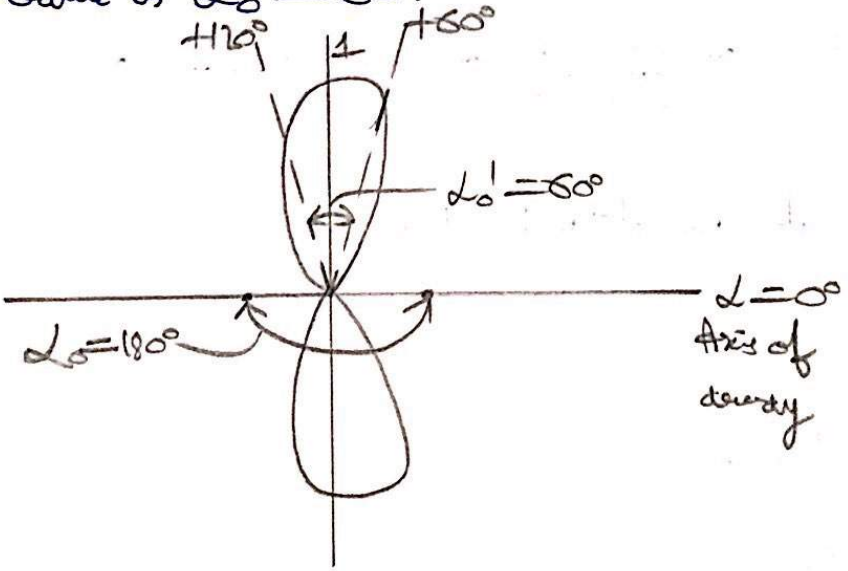
This satisfies when

$$\alpha = \pm 60°, \pm 120°.$$

Approximate pattern can be obtained from peaks and nulls. The pattern should be uniform on both sides of the axis. The magnitude in any required direction can be obtained by substituting α in the field expression.

When the peaks are obtained in a plane normal to the axis, it is said to be a BROADSIDE system. This is achieved only when $\phi = 0°$. Beam width between nulls $2\alpha_0 = 180°$.

Approximate half power beam width is $180°/2 = 90°$. The exact calculated value is $2\alpha_0' = 60°$.



Scanned with CamScanner

3.c. Explain the principle of pattern multiplication.

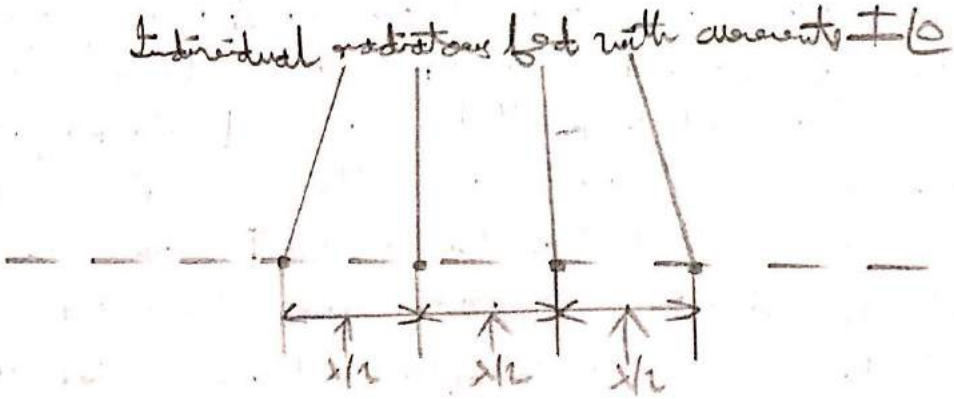
A It is evident that the analysis of an array of point sources to obtain the field pattern is not much complicated. Analysis of an array of non-isotropic antennas is very much complicated. To simplify the mathematical analysis of an array of non-isotropic, "The principle of pattern multiplication" is used. The principle is applicable only for antennas which are identical, having the same orientation. Similar antennas of same dimensions could be identical. Identical antennas will result same parameters like pattern shape, beam width, directivities, efficiency, radiation resistance, etc. The field magnitude pattern of an array of identical antennas is a product of primary pattern and secondary pattern. Primary pattern E_1 is the pattern obtained for any individual source. The pattern shape is identical for any individual source since the orientation remains same. The secondary pattern E_2 is the field pattern obtained for the complete array system replacing all antennas by isotropic point sources maintaining same power magnitude and phase difference.

In general, let $E_1|\underline{\theta}_1$ is the primary pattern and $E_2|\underline{\theta}_2$ is the secondary pattern. The resultant pattern is

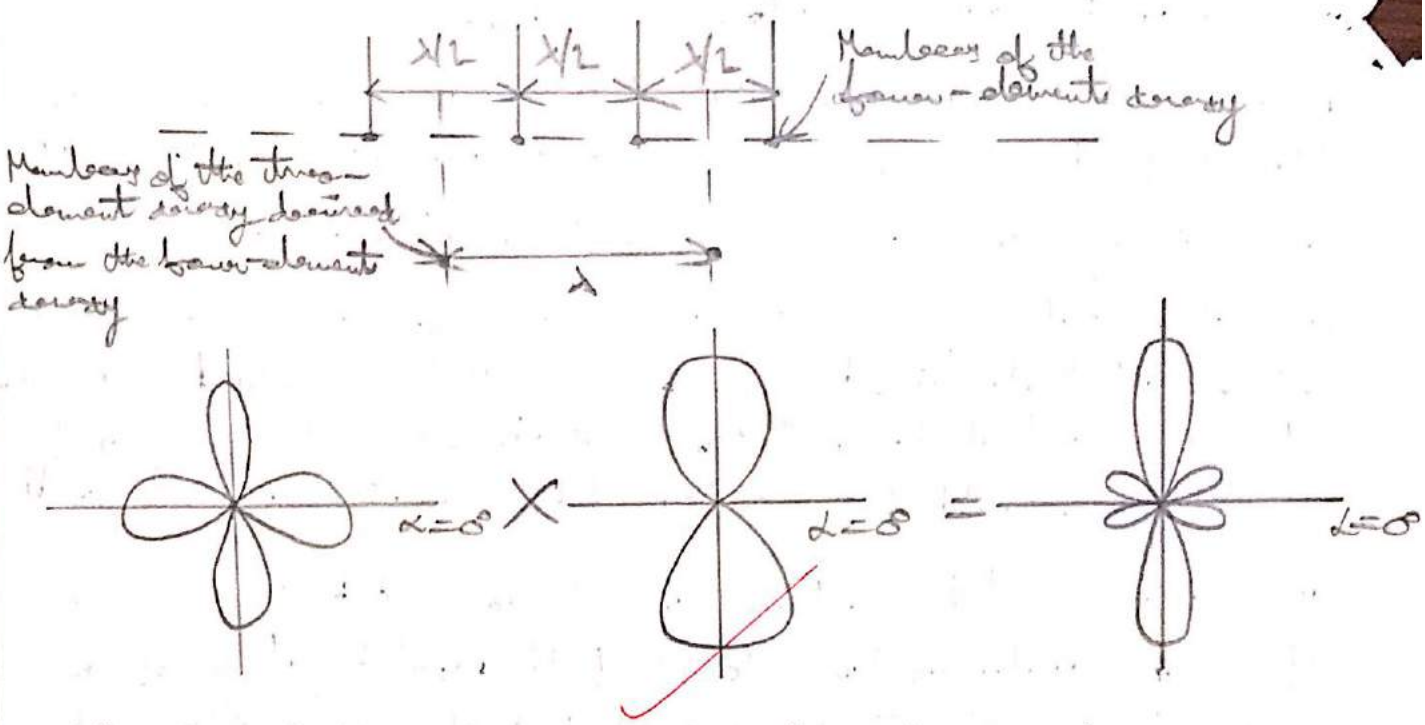
$$E|\underline{\theta} = E_1|\underline{\theta}_1 + E_2|\underline{\theta}_2.$$

or $E = E_1 E_2$

$$\theta = \theta_1 + \theta_2.$$



Scanned with CamScanner



5a. Write brief notes on: i) Medium frequency antennas, ii) HF antennas.

i) Medium frequency antennas - These are the antennas that operate at radio frequencies in the range of 300kHz to 3MHz. These Medium frequency waves have a wavelength of 1000m to 100m. MF antennas are mostly used for AM radio broadcasting, navigational radio beacons, maritime ship-to-shore communication, and transoceanic air traffic control.

Radio waves at MF wavelengths propagate via ground waves and reflect from the ionosphere (called skywaves). Ground waves follow the contour of the Earth. At these wavelengths, they can bend (diffract) over hills, and travel beyond the visual horizon, although they may be blocked by mountain ranges. Typical MF radio stations can cover a radius of several hundred miles from the transmitter, with longer distances over water and damp earth. MF broadcasting stations use ground waves to cover their listening areas.

MF waves can also travel longer distances via skywave propagation, in which radio waves radiated at an angle into the sky are reflected (actually refracted) back to Earth by layers of charged particles (ions) in the ionosphere, the E and F layers. However at certain times, the D layer (at a lower altitude than the E and F layers) can be electronically lossy and absorb MF radio waves, interfering with skywave propagation. This happens when the ionosphere is heavily ionized, such as during

Scanned with CamScanner

the day, in summer and especially at times of high solar activity.

At night, especially in winter months and at times of low solar activity, the ionospheric D layer can virtually disappear. When this happens, HF radio waves can easily be received hundreds or even thousands of miles away as the signal will be reflected by the remaining F layer. This can be very useful for long-distance communication, but can also interfere with local stations. Due to the limited number of available channels in the MW broadcast range/band, the same frequencies are reallocated to different broadcasting stations several hundred miles apart. On nights of good skywave propagation, the signals of different stations may reflect off the ionosphere and interfere with the signals of local stations on the same frequency.

Transmitting antennas commonly used on this band include monopole mast radiators, top-loaded wire monopole antennas such as the inverted-L and T antennas, and wire dipole antennas. Ground wave propagation, the most widely used type at these frequencies, requires vertically polarized antennas like monopoles, usually the quarter wave monopole. The most common receiving antenna is the ferrite loopstick antenna (also known as a ferrite rod aerial), made from a ferrite rod with a coil of fine wire wound around it. Other type of loop antenna and ferrite antennas are also used.

ii) HF antennas — These antennas operate from the range of radio frequency electromagnetic waves (radio waves) between 3 to 30 MHz. Its wavelength range is from one to ten decameters (tens to one hundred meters). The band is used by international shortwave broadcasting stations, aviation communication, government time stations, weather stations, amateur radio and citizens band services, among other uses.

The dominant mode of long-distance communication in this band is skywave ("skip") propagation, in which radio waves directed at an angle into the sky refract back to Earth from layers of ionized atoms in the ionosphere. By this method, HF radio waves can travel beyond the horizon, around the curve of the Earth, and can be received at

Scanned with CamScanner

intercontinental distance. However, reliability of this portion of the spectrum for such communication varies greatly with a complex combination of factors:

→ Sunlight/darkness at site of transmission and reception
→ Transmitter/receiver proximity to solar terminator
→ Season
→ Sunspot cycle
→ Solar activity
→ Polar aurora.

At any point in time, for a given "skip" communication path between two points, the frequencies at which communication is possible are specified by three parameters:

→ Maximum Usable Frequency (MUF)
→ Lowest Usable High Frequency (LUF) and a
→ Frequency of Optimum Transmission (FOT).

The maximum usable frequency regularly drops below 10MHz in darkness during the winter months, while in summer during daylight, it can easily surpass 30MHz.

The most common antenna in this band are wire antenna such as wire dipole and the shortened antenna; in the upper frequencies, multielement dipole antenna such as Yagi, quad, and log-periodic antennas. Powerful shortwave broadcasting stations often use large wire curtain arrays. For receiving, rotatable wire antenna are often used. Alternatively, the same directional antenna used for transmitting are helpful for receiving, since most noise comes from all directions, but the desired signal comes from only one direction.

5a. Explain the method of:
i) Directivity measure ii) Gain of an antenna measure.

A i) Directivity measure — If the directivity of an antenna cannot be found using solely analytical techniques, it can be computed using measurements

Scanned with CamScanner

of its radiation patterns. One of the methods is based on approximate expression of $D_0 = 41,253 / \theta_{1d}\theta_{2d}$ by Kraus or $D_0 = 72.815 / \theta_{1d}^2 + \theta_{2d}^2$ by Tai and Pereira whereas the other relies on numerical techniques. The computations can be performed very efficiently and economically with modern computational facilities and numerical techniques.

The simplest, but least accurate method, requires that the following procedure is adopted:

1. Measure the two principle E- and H-plane patterns of the test antenna.
2. Determine the half-power beamwidths (in degrees) of the E- and H-plane patterns.
3. Compute the directivity using either $D_0 = 41,253 / \theta_{1d}\theta_{2d}$ or $D_0 = 72.815 / \theta_{1d}^2 + \theta_{2d}^2$.

The method is usually employed to obtain rough estimate of directivity. It is more accurate when the pattern exhibits only one major lobe, and its minor lobes are negligible.

The other method requires that the directivity be computed using $D_0 = 4\pi U_{max} / P_{rad}$ where P_{rad} is evaluated using

$$P_{rad} = B_0 \left(\frac{\pi}{N}\right)\left(\frac{2\pi}{M}\right)\sum_{j=1}^{M}\left[\sum_{i=1}^{N} F(\theta_i, \phi_j)\sin\theta_i\right].$$ The $F(\theta_i, \phi_j)$ function represents the radiation intensity or radiation pattern, as defined by $U = B_0 F(\theta, \phi)$, and it will be obtained by measurements. U_{max} in $D_0 = 4\pi U_{max} / P_{rad}$ represents the maximum radiation intensity of $F(\theta, \phi)$ in all space as obtained by the measurements.

The above discussion assumes that all the radiated power is contained in a single polarization, and the measuring probe possesses that polarization. If the antenna is polarized such that the field is represented by both θ and ϕ components, the partial derivatives $D_\theta(\theta, \phi)$ and $D_\phi(\theta, \phi)$ of D_0 must each be found. This is accomplished from pattern measurements with the probe positioned, respectively, to sample the θ and ϕ components. The total directivity is then given by,

Scanned with CamScanner

$$D_o = D_\theta + D_\phi$$

where

$$D_\theta = \frac{4\pi U_\theta}{(P_{rad})_\theta + (P_{rad})_\phi}$$

$$D_\phi = \frac{4\pi U_\phi}{(P_{rad})_\theta + (P_{rad})_\phi}.$$

$U_\theta, (P_{rad})_\theta, U_\phi, (P_{rad})_\phi$ represent the radiation intensity and radiated powers as contained in the two orthogonal θ and ϕ components, respectively.

The same technique can be used to measure the field intensity and to compute the directivity of any antenna that possess two orthogonal polarizations. Usually it is referenced to as the cross-polarization, and for good designs it is usually below -40dB.

The directivity of circularly or elliptically polarized antennas can also be measured. Precautions must be taken as to which components represents the primary polarization and which the cross-polarization contribution.

ii) Gain of an antenna measurity – The most important figure-of-merit that describes the performance of a radiation is the gain. There are various techniques and antenna ranges that are used to measure the gains. The choice of either depends largely on the frequency of operation.

Usually free-space ranges are used to measure the gain above 1GHz. In addition, microwave techniques, which utilize waveguide components, can be used. At lower frequencies, it is more difficult to simulate free-space conditions because of the longer wavelengths. Therefore between 0.1–1GHz, ground-reflection ranges are utilized. Scale models can also be used in this frequency range. However, since the conductivity and loss factors of the structures cannot be scaled conveniently, the efficiency of the full scale model must be found by other methods to determine the gain of the antenna. This is accomplished by multiplying the directivity by the efficiency to result in the gain.

Below 0.1GHz, directive antennas are physically large and the

Scanned with CamScanner

ground effects become increasingly pronounced. Usually the gain at these frequencies is measured indirectly. Antenna gains are not usually measured at frequencies below 1MHz. Instead, measurements are conducted on the field strength of the ground wave radiated by the antenna.

Usually there are three basic methods that can be used to measure the gain of an electromagnetic radiation: absolute-gain and gain-transfer (or gain-comparison) measurements. The absolute-gain method is used to calibrate antennas that can then be used as standards for gain measurements, and it requires a priori knowledge of the gain of the antennas. Gain-transfer methods must be used in conjunction with standard gain antennas to determine the absolute gain of the antenna under test.

The two antennas that are most widely used and universally accepted as gain standards are the resonant $\lambda/2$ dipole (with a gain of about 2.1 (dB)) and the pyramidal horn antenna (with a gain ranging from 12-25 dB). Both antennas possess linear polarization.

Absolute-Gain Measurements-

A. Two-Antenna Method-

$$(G_{ot})_{dB} + (G_{or})_{dB} = 20 \log_{10}\left(\frac{4\pi R}{\lambda}\right) + 10 \log_{10}\left(\frac{P_r}{P_t}\right)$$

where

$(G_{ot})_{dB}$ = gain of the transmitting antenna (dB)

$(G_{or})_{dB}$ = gain of the receiving antenna (dB)

P_r = received power (W)

P_t = transmitted power (W)

R = antenna separation (m)

λ = operating wavelength (m)

Scanned with CamScanner

If the transmitting and receiving antennas are identical ($G_{ot} = G_{or}$), the above equation reduces to

$$(G_{ot})_{dB} = (G_{or})_{dB} = \frac{1}{2}\left[20\log_{10}\left(\frac{4\pi R}{\lambda}\right) + 10\log_{10}\left(\frac{P_r}{P_t}\right)\right]$$

B. Three-Antenna Method –

For three antennas (a, b, c),

(a – b combination)

$$(G_a)_{dB} + (G_b)_{dB} = 20\log_{10}\left(\frac{4\pi R}{\lambda}\right) + 10\log_{10}\left(\frac{P_{rb}}{P_{ta}}\right)$$

(a – c combination)

$$(G_a)_{dB} + (G_c)_{dB} = 20\log_{10}\left(\frac{4\pi R}{\lambda}\right) + 10\log_{10}\left(\frac{P_{rc}}{P_{ta}}\right)$$

(b – c combination)

$$(G_b)_{dB} + (G_c)_{dB} = 20\log_{10}\left(\frac{4\pi R}{\lambda}\right) + 10\log_{10}\left(\frac{P_{rc}}{P_{tb}}\right)$$

C. Extrapolation Method

D. Ground-Reflection Range Method –

$$(G_a)_{dB} + (G_b)_{dB} = 20\log_{10}\left(\frac{4\pi R_D}{\lambda}\right) + 10\log_{10}\left(\frac{P_r}{P_t}\right) - 20\log_{10}\left(\frac{\sqrt{D_A D_B} + r R_D}{R_B}\right)$$

where D_A and D_B are directivities

$$r = \left(\frac{R_R R_R'}{R_D R_D'}\right)\left[\frac{\sqrt{(P_r/P_r')(D_A' D_B')}\, R_D - \sqrt{D_A D_B}\, R_D'}{\sqrt{P_r/P_r'}\, R_R + R_R'}\right]$$

Gain-Transfer (Gain-Comparison) Measurements –

$$(G_T)_{dB} = (G_S)_{dB} + 10\log_{10}\left(\frac{P_T}{P_S}\right)$$

where $(G_T)_{dB}$ and $(G_S)_{dB}$ are the gains of the test and standard antennas (in dB)

$$(G_T)_{dB} = 10\log\left(G_{TV} + G_{TH}\right)$$

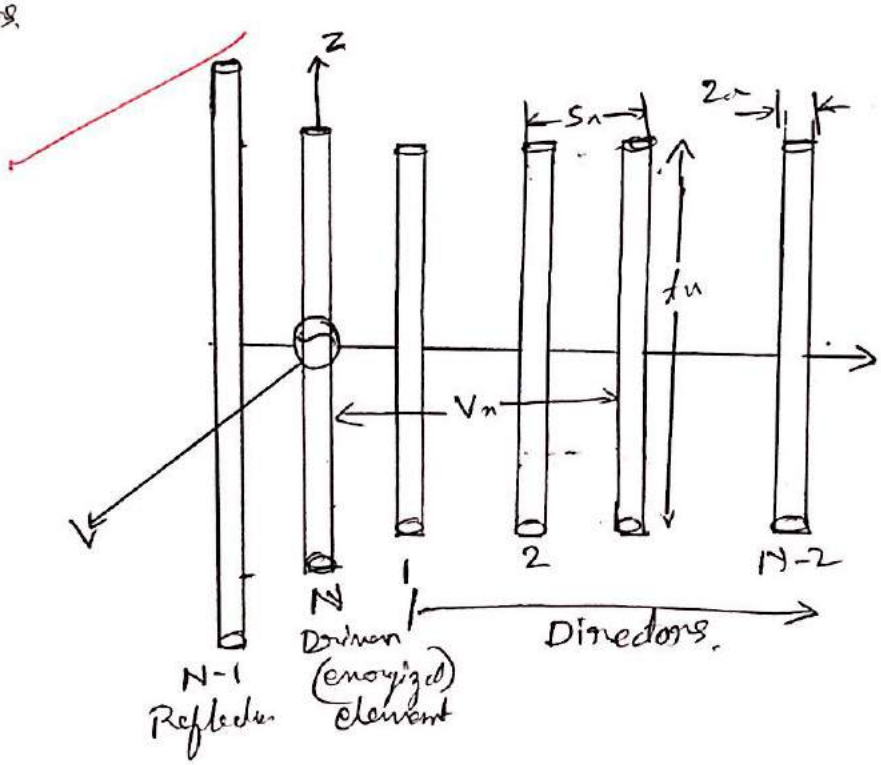
where G_{TV} and G_{TH} are, respectively, the partial power gains with respect to receiver-linear and horizontal linear polarizations.

Scanned with CamScanner

4). a). Write explanatory note on:-

i). Yagi Uda Antenna.

This antenna consists of a number of linear dipole elements, as shown in figure, one of which is energized directly by a feed transmission line while the others act as parasitic radiators whose currents are induced by mutual coupling.. The most common feed element for Yagi-Uda antenna is a folded dipole. This radiator is exclusively designed to operate as an endfire array, and this is accomplished by having the parasitic elements in the forward beam act as directors while those in the rear act as reflectors.



Scanned with CamScanner

b). Briefly explain the short dipole antenna?.

Soln:- The short dipole antenna is a small version of the popular dipole antenna, typically less than a tenth of a wavelength in its size.

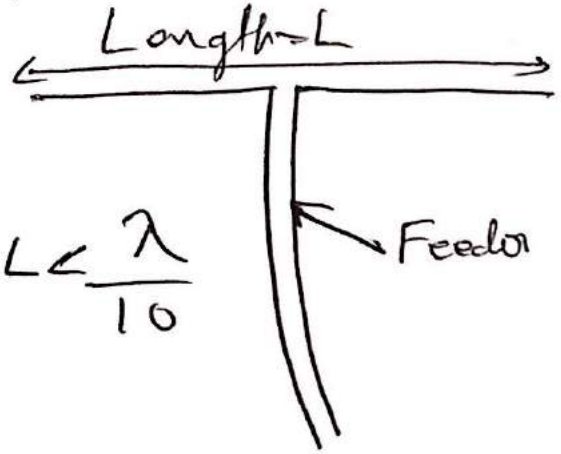
The short dipole antenna is one that is short when compared to a wavelength at the operating frequency.

Typically a short dipole antenna is taken to be one that one that is less than a tenth of a wavelength long.

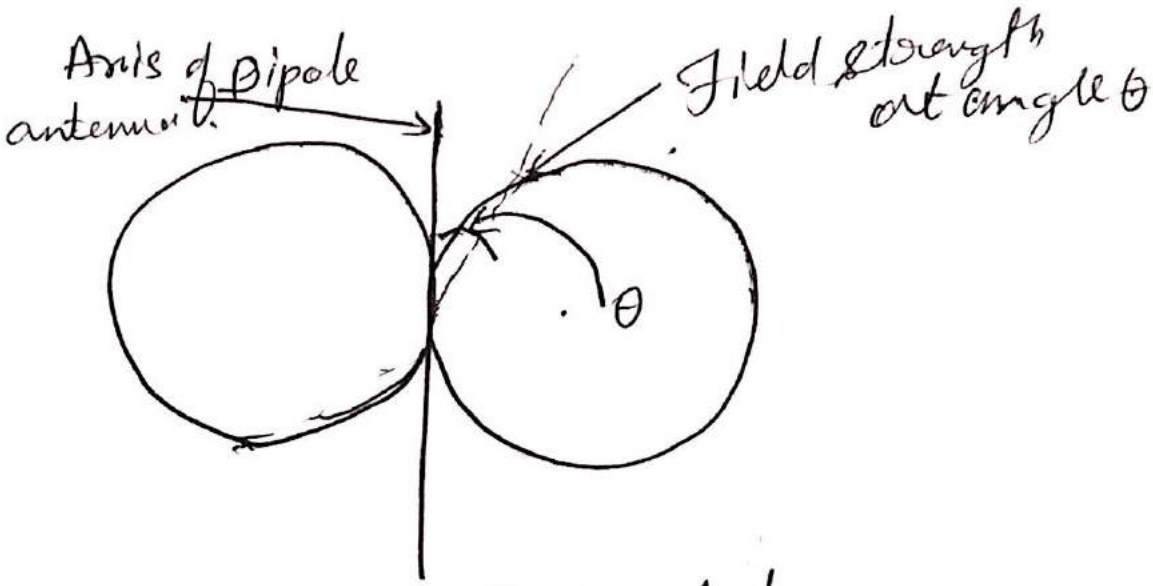
The short dipole antenna consists of two co-linear conductors that are placed end to end, but with a small gap between them for the feeder.

The short dipole is used, especially where space may be an issue, or where a non-resonant antenna is needed.

Scanned with CamScanner



Basic Short dipole antenna



Short dipole Antenna Radiation pattern,

Scanned with CamScanner

6) a). Briefly explain Surface Wave propagation?

Soln:- If a wave is supported by some kind of surface between two media, it is called a surface wave. In other words a surface wave is one that propagates parallel to the interface and decays vertically to it.

Ground wave may be composed of surface waves (originating from antennas located near to the ground) and space waves (originating from elevated antennas). In case of strip lines, the wave travels as a surface wave.

A travelling wave ~~caused~~ caused by a two-wire line with discontinuities placed at regular intervals along the line is a surface wave.

At low frequencies, the surface wave is dependent mainly on the conductivity, whereas at higher frequencies a high permittivity is important. Thus, over all frequencies, surface wave is best over sea and worst over dry land.

The bulge of the earth prevents surface waves from reaching the ~~tx~~ reciever by a straight line path. The surface waves arrive at the reciever either through (a) diffraction around the earth (or) (b). ~~Earth cur~~ refraction in the lower atmosphere above the earth.

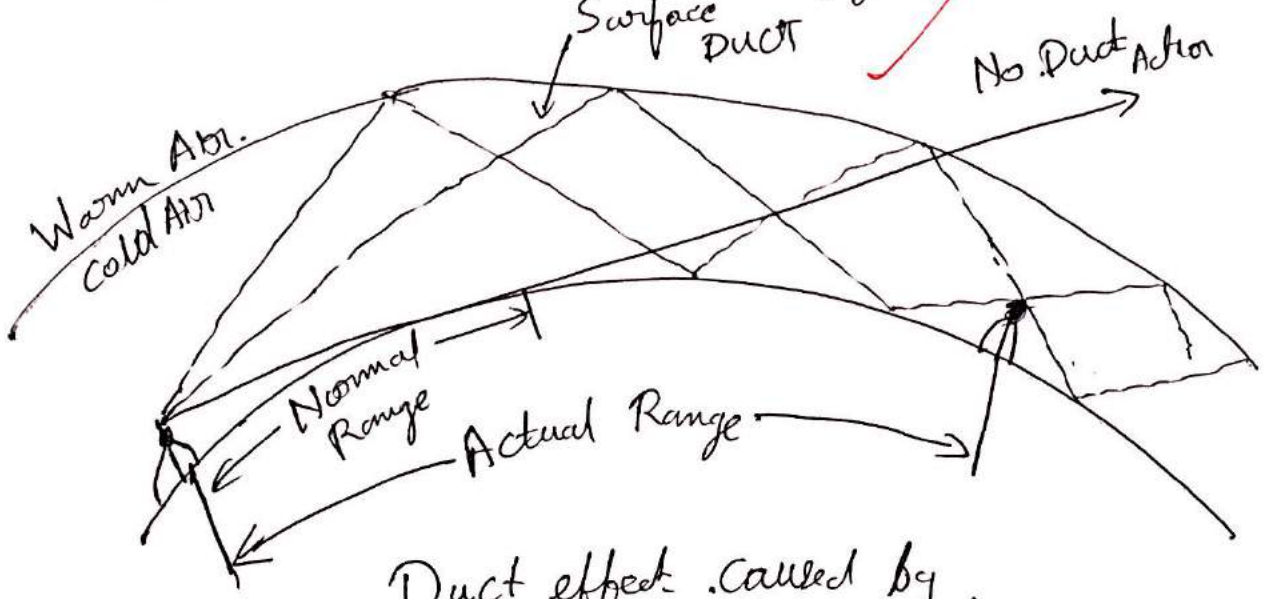
b). With relevant diagram, explain duct propagation?

Soln:- When layers of warm air from above layers of cold air, the condition known as temperature inversion develops. This phenomenon causes ducts or channels to be formed, by sandwiching cool air either between the surface of the earth and a layer of warm air, or between two layers of warm air. If a transmitting antenna enters into such a duct, or if the radio wave enters the duct at a very low angle of incidence, VHF and UHF transmissions may propagated for beyond normal, line-of-sight distances.

Scanned with CamScanner

These long distances are possible because of the different densities and refractive qualities of warm and cool air. The sudden change in densities when a radio wave enters the warm air above the duct causes the wave to be refracted back toward earth.

When the wave strikes the earth or a warm layer below the duct, it is again reflected or refracted upward and proceeds on through the duct with a multiple-hop type of action. An example of radio-wave propagation by ducting is shown in the below figure.



Duct effect caused by Temperature inversion.

Scanned with CamScanner

7). a). Derive an expression for MUF

Soln:- The maximum possible value of frequency for which reflection takes place for a given distance of propagation is termed as maximum usable frequency (MUF) for that distance and for the given ionospheric Layer.

At the point of reversal of path to return to the ground, the sky wave requires the angle of reflection to be 90°. Thus, if ϕ_i is the incident angle and ϕ_r, is reflection angle, the refractive index 'n' can be written as,

$$n = \frac{\sin\phi_i}{\sin\phi_r} = \frac{\sin\phi_i}{\sin 90^\circ} = \sin\phi_i = \sqrt{1 - \frac{81 N_{max}}{f^2_{MUF}}}$$

$$\sin^2\phi_i = 1 - \frac{81 N_{max}}{f^2_{MUF}}$$

But as discussed earlier.

$$f_c^2 = 81 N_{max}$$

Thus, $\sin^2\phi_i = 1 - \frac{f_c^2}{f^2_{MUF}}$ (or) $\frac{f_c^2}{f^2_{MUF}} = 1 - \sin^2\phi_i = \cos^2\phi_i$

$$f^2_{MUF} = \frac{f_c^2}{\cos^2\phi_i} = f_c^2 \sec^2\phi_i$$

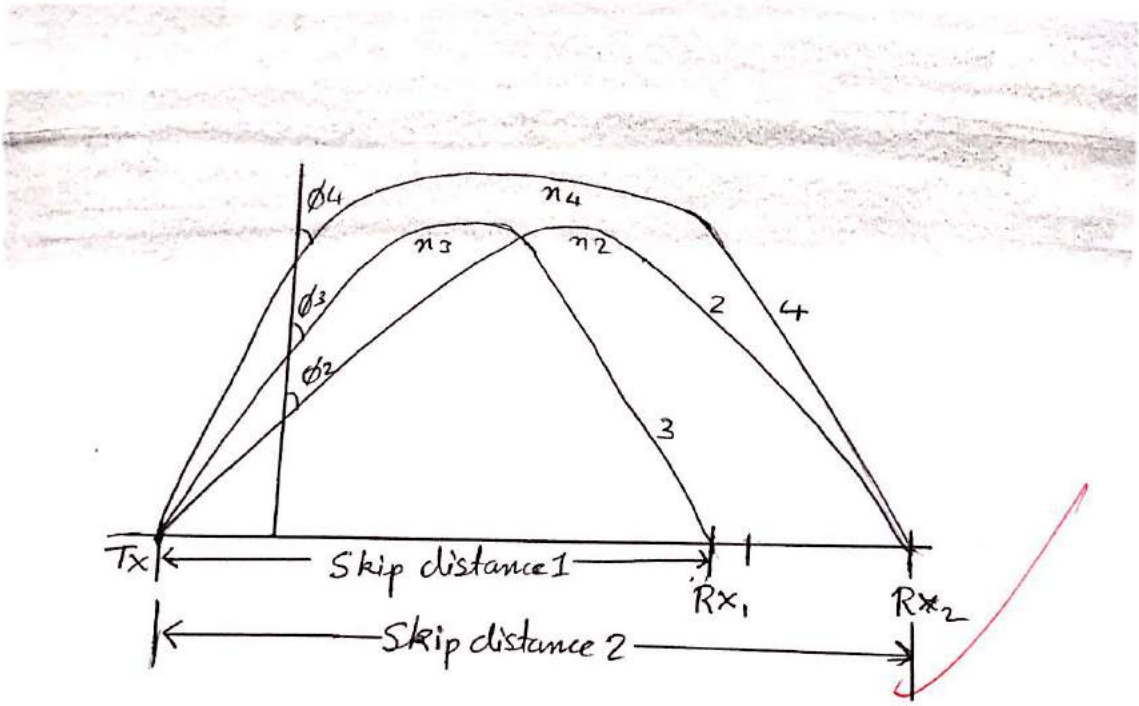
Finally, we get

$$\boxed{f_{MUF} = f_c \sec\phi_i}$$

b). What is Skip distance? Explain with a neat diagram?

Soln:- It is the shortest or minimum distance measured between the transmitting antenna and the first recieving antenna measured along the surface of the Earth after ionospheric propagation.

Scanned with CamScanner



The above figure illustrates skip distances (two different) which correspond to rays 2, 3 and 4. It implies that the skip distance and the maximum usable frequency correspond to each other.

Scanned with CamScanner

8): Write Explanatory notes on:-

a). Horn Antenna :-

One of the simplest and probably the most widely used microwave antenna is horn.

Horn is widely used as a feed element for large radio astronomy, satellite tracking and communication dishes. found installed throughout the world.

Horns have many versions which include pyramidal horn, Conical horn, biconical horn, Sectoral H-plane horn, sectoral E-plane horn, box horn and hog horn. Horns may be made of pointed or rounded waveguides. The waveguides may contain a disc at an end or may contain some dielectric. Further, their shape of pyramidal or a conical ~~cable~~ Besides such a feed ~~may be located in the centre at an end or in between. The vertical slots may result in horizontal polarization, and horizontal slots in vertical polarization.~~ horns may be linearly or exponentially tapered. The other versions of horns include singly or doubly rigel horns, septum horns, corrugated horns and aperture matched horns. A horn may be used as an antenna in itself or as a feed for reflectors or lens antennas. A combination of horns forms an organ pipe antenna, used in scanning radars.

Scanned with CamScanner

d). Critical Frequency:-

The highest frequency that returns from an ionospheric layer at a vertical incidence is called Critical frequency for that particular layer. For a regular layer, it is proportional to the square root of maximum electron density in the layer.

As an example for F_2 layer, the f_c is in the range of 5MHz to 12MHz

B. R. Manasa.

Scanned with CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING

Hosur Main Road, Kudlu Gate, Bangalore-560114

Antenna and Wave Propagation Project Report

"Microstrip Dual band Millimeter-wave Antenna"

Antenna and Wave Propagation Project Report Submitted in partial fulfillment of the requirement for the degree of

Bachelor of Technology

In

Electronics and Communication Engineering

By

ENG16EC0052 NARESH J
ENG16EC0055 NITHIN S

6th semester B.Tech

Under the guidance of

Mrs. Manasa K R

Department of Electronics and Communication Engineering

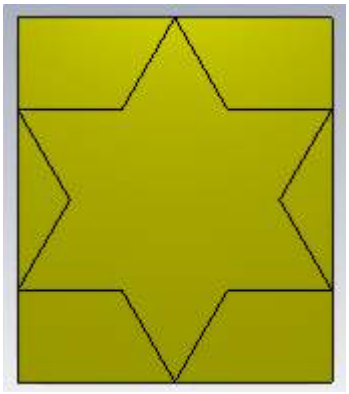
DAYANANDA SAGAR UNIVERSITY, BENGALURU -560114.

Scanned by TapScanner

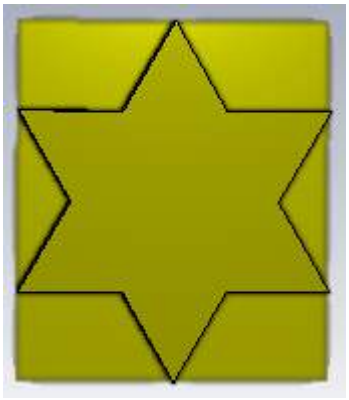
Table of Content

S.no:	***Content***	***Page no:***
1.	Design	3
2.	Explaination	4
3.	Applications.	
4.	Result & Observation	
5.	Comparing with Research Paper	

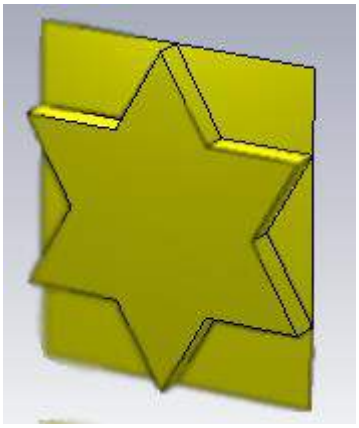
Design



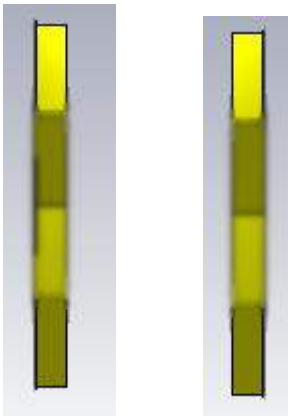
Front View



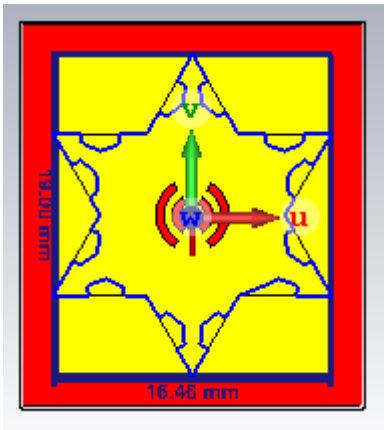
Back View

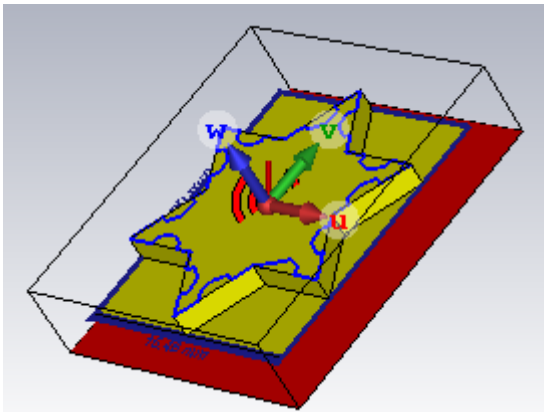


Prespective View



Side View

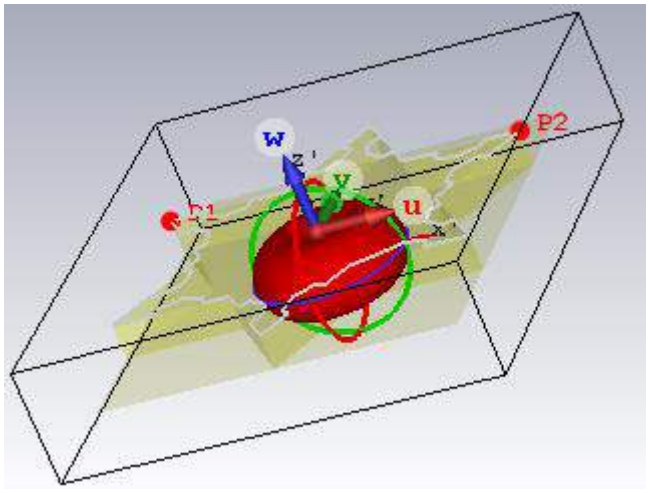




Designs.

Explaination

- The length and width of the antenna are 19mm, 16.46mm.
- The material used at the ground is copper(annealed) and the star shaped printed antenna is the primary unit cell whose dimensions are w1 = 9.5 mm and w2 = 4.75 mm.
- The dielectric material PEC (Perfect Electrical Conductor) and Vacuum which has a relative permittivity of 4.4, dielectric loss tangent of 0.02, with 1.6mm thickness.
- The software used to design the antenna is CST Studio Suite (Student Edition), the frequency 30 GHz to 50 GHz.
- Taking up the source at the origin and giving a waveguide port to the antenna at the ground Z plane.
- Fairfield Source.

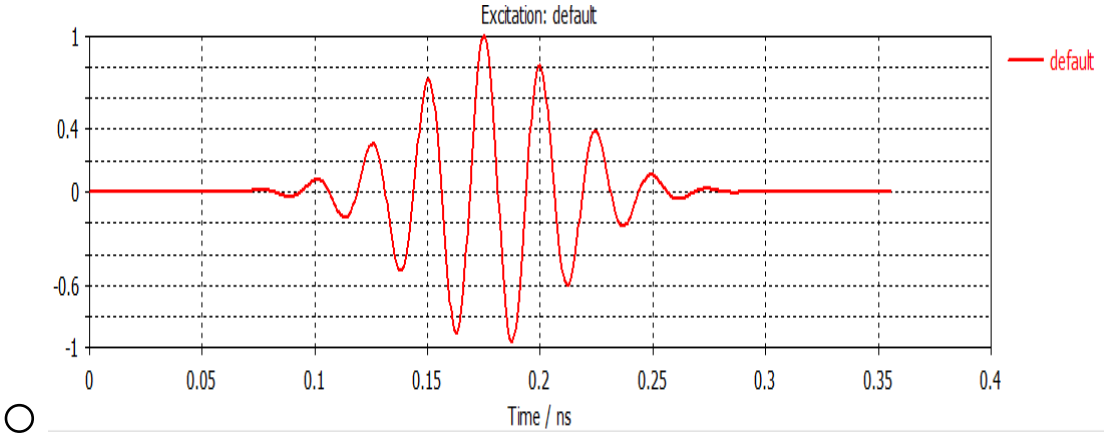


Application

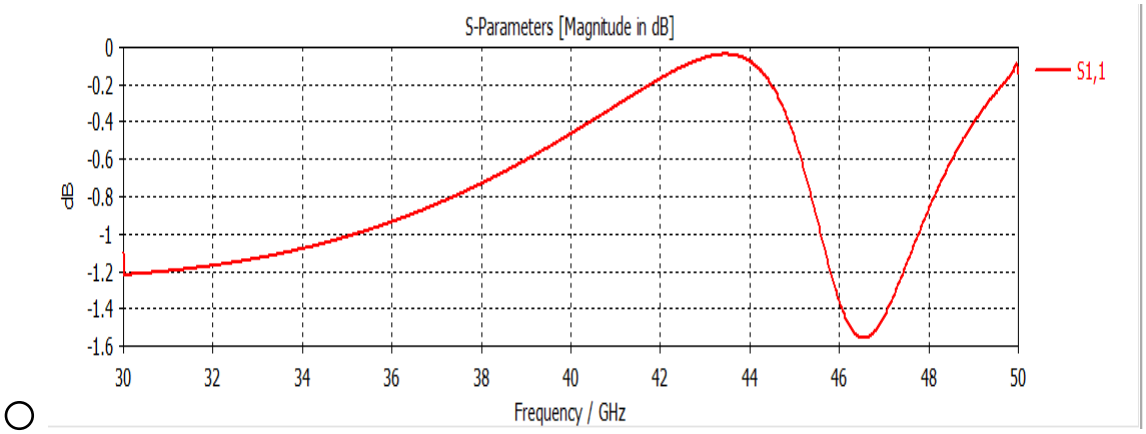
1. UAV Applications
2. WLAN/ Bluetooth Applications.
3. Ultra-Wideband (UWB) Applications.

Results

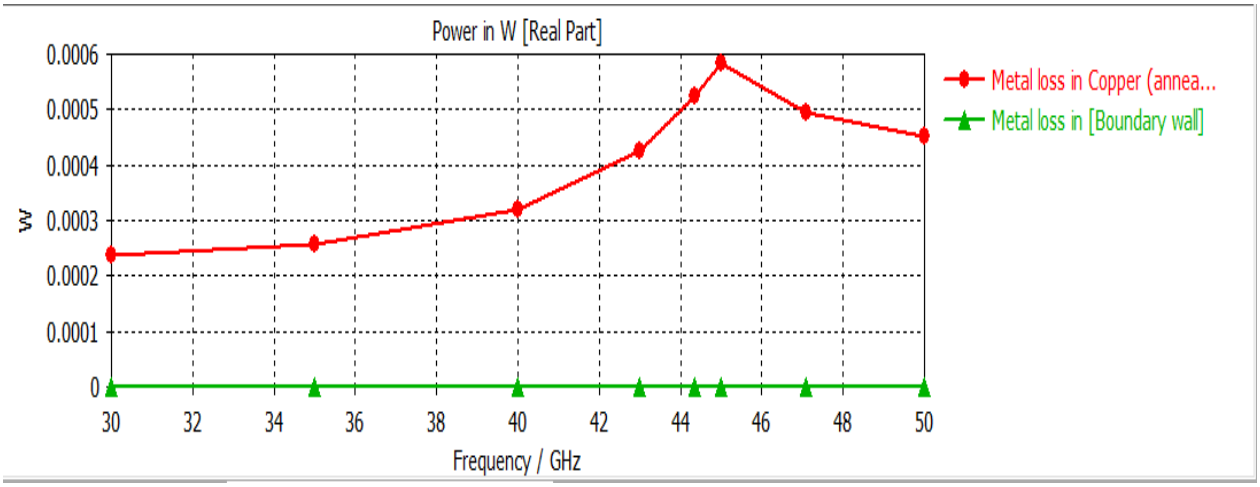
- Excitation Signal.

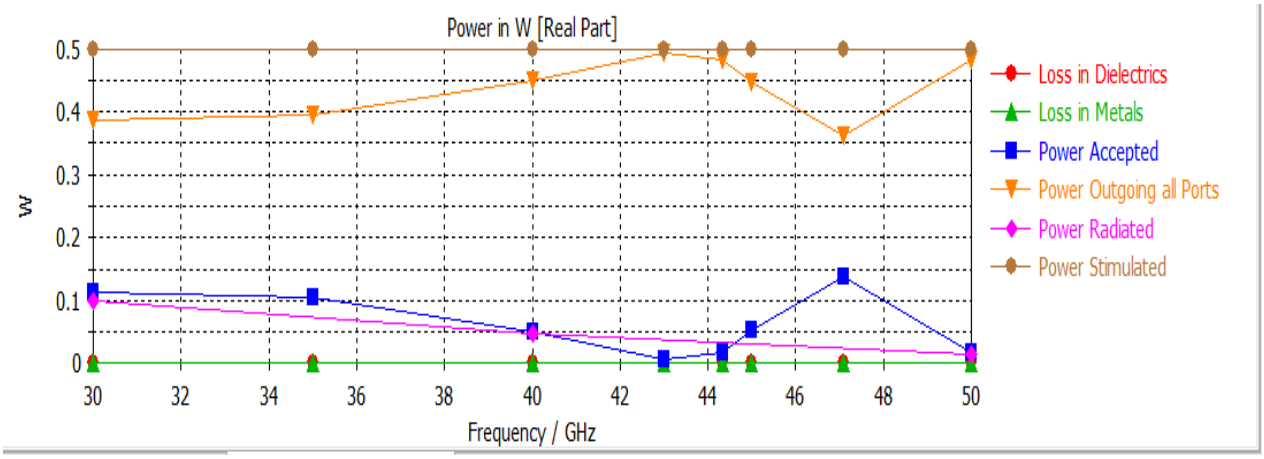


- S-Parameter

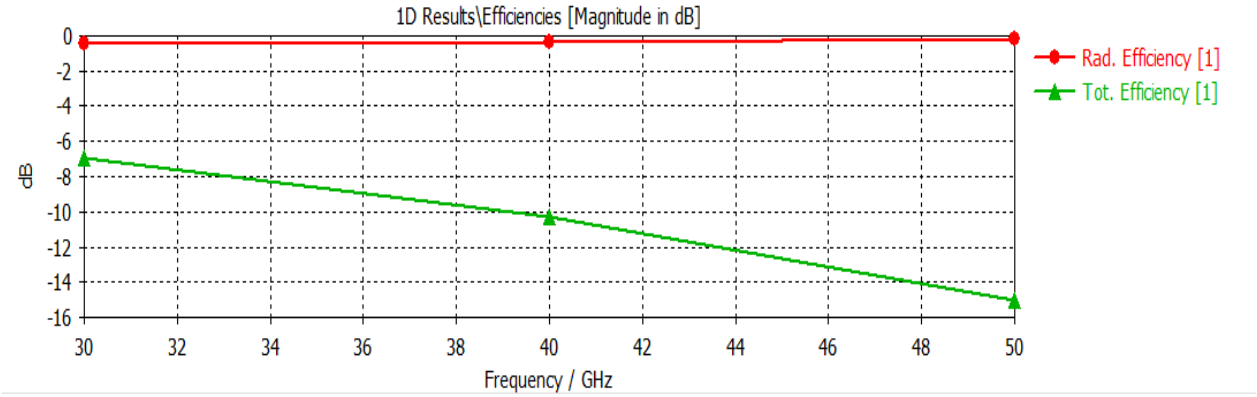


- Power Loss

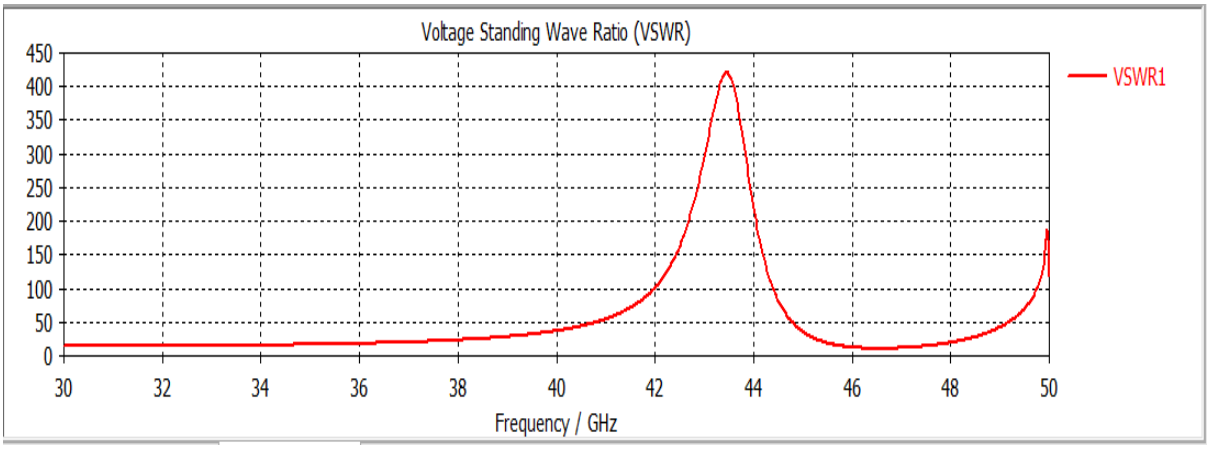




- Efficiencies.

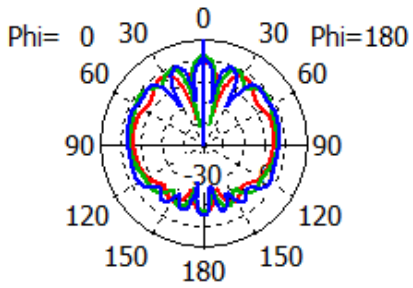


○ VSWR



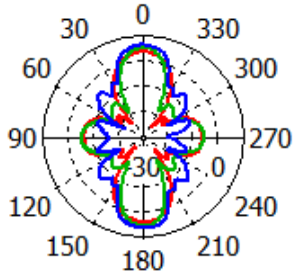
○ Radiation Patterns

Farfield Directivity Abs (Phi=0)



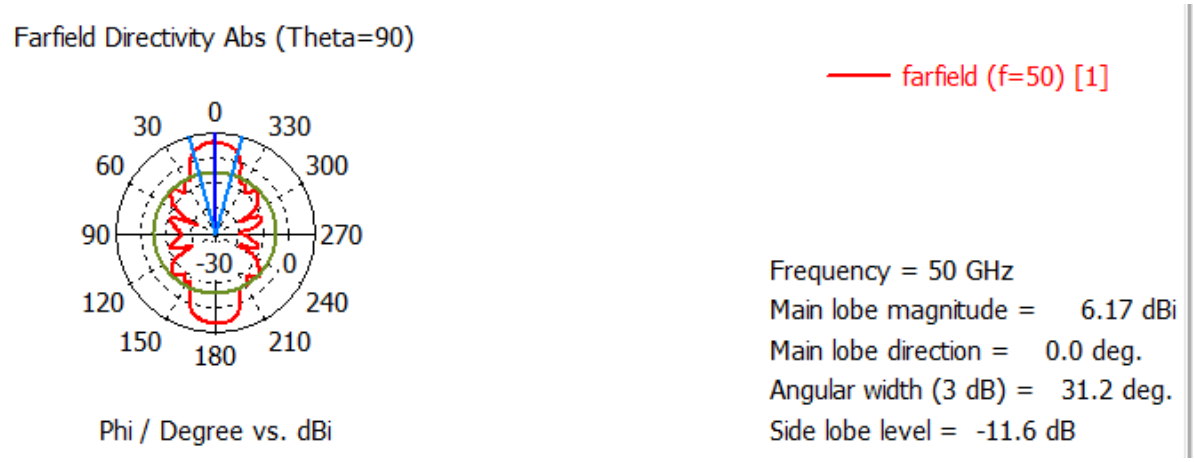
Theta / deg vs. dBi

Farfield Directivity Abs (Theta=90)

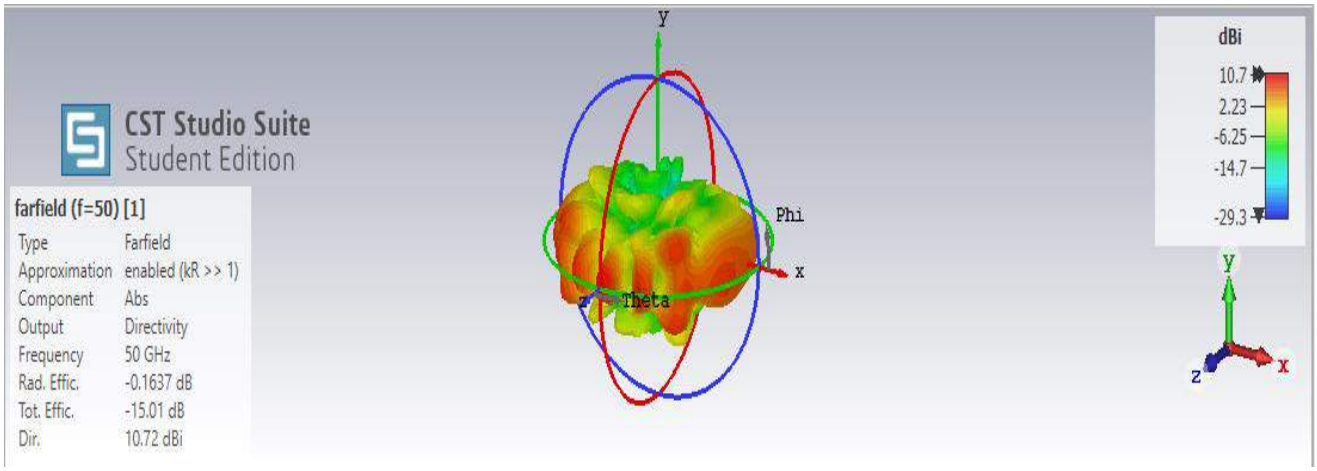


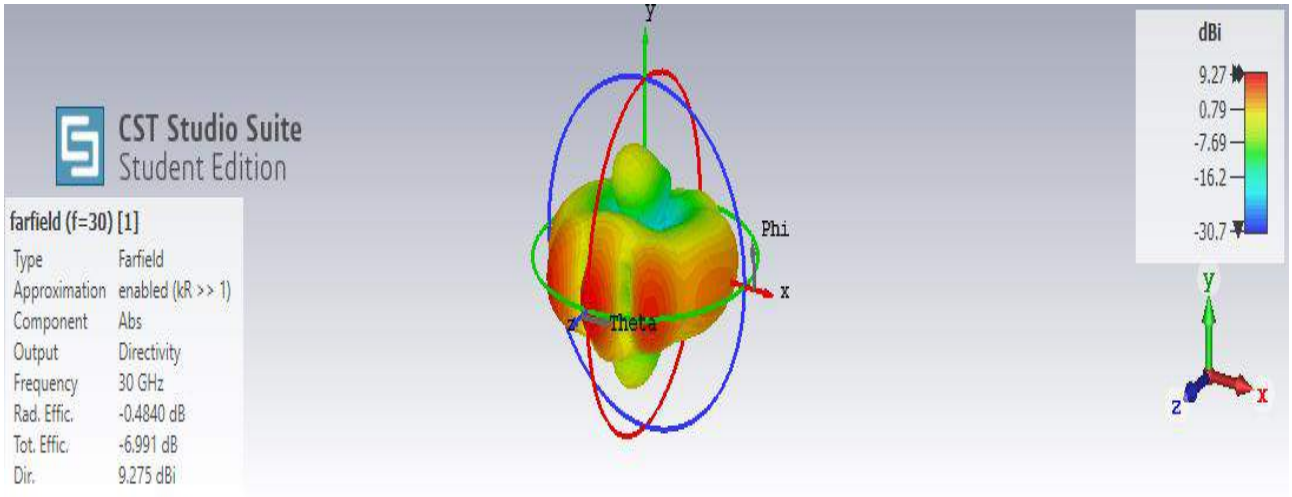
Phi / deg vs. dBi





3D Radiation Pattern





Comparison of the research paper

Since the intended application of high-speed communication is in the mm wave. It was used as the base for mounting the proposed array for performing the analysis of radiation patterns. CST Studio Suite was used for this study to shows the radiation pattern of Star Patch antenna at different frequencies. It can be observed that the value of null point reduces at Theta= 90 in E plane and speckle increases comparatively. In the H plane the peak gain at 50 GHz is 10.7 dBi.

Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road
Bangalore - 560068
Department of Electronics and Communication Engineering

Antenna and Wave Propagation -16EC307

Recent trends in antenna – Fractal antenna

Presented By
NAMRATHA ANJANADEVI M
ENG16EC0050

Course Coordinator
MANASA K R
ECE, SOE, DSU

CONTENTS

- INTRODUCTION
- EXPLANATION OF BASIC TERMS
- ANTENNA DESIGN
- FRACTIONING OF ANTENNA
- PERFORMANCE PARAMETERS
- ADVANTAGES
- APPLICATIONS
- CONCLUSION

ANTENNA

- Antennas act as both transmitters and as receivers of information where the information in electrical form is converted into the electro magnetic form or radio waves.
- These are later received and the reverse process takes place and the information can be gathered. This is helpful for wireless transmission.
- But in today's world every electronic device has reduced it's size to a large extent. So there is a need to reduce the size of the antenna.
- But if we reduce the size of the antenna the bandwidth and efficiency will also reduce since the size of antenna is proportional to one fourth of wavelength of transmitted wave.

Length of antenna = wavelength/4

= C/4*f where c= velocity of light and

f= frequency of transmitted wave

FRACTAL ANTENNA - AN INTRODUCTION

- Fractal antenna theory – a new area
- "fractal " means broken or irregular fragments
- "Family of complex shapes that possess an inherent self similarity or self affinity in their geometrical structure"
- Came from unique occurrences in nature





FRACTAL ANTENNA

- Suggests some attractive solutions for using single small antenna needed for different frequency bands (multiband operation)
- Size, area and mass reduction (miniaturization)
- The effective length of the antenna can be increased keeping the total area same

GEOMETRY OF FRACTALS

- The shape can be formed by iterative mathematical process called IFS
- Based on series of affine transformations $w(x,y) = (ax+by+e, cx+dy+f)$
  - a,b,c,d control rotation and scaling
  - e , f control linear translation
- Repeatedly applying W to the previous geometry
- Fractal geometry

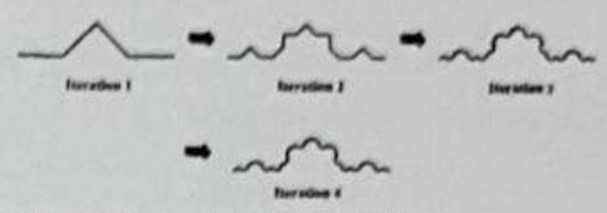
$A_1=W(A_0)$; $A_2 = W(A_1)$;.....

Scanned by TapScanner

GEOMETRY OF FRACTALS

- IFS generated a sequence that converges to a final image
  - More no. of iterations
  - Increase in effective length
  - Decrease in resonant frequency
- Fractal geometry used in most of the works:
  - Koch fractal
  - Sirepinski fractal
  - Koch island fractal

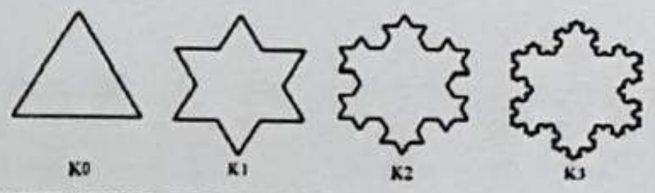
A four iteration Koch fractal



A three iteration Sirepinski fractal



A three iteration Koch island

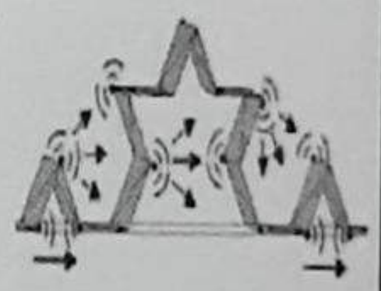


HOW MINIATURIZATION ?

- Achieving lower f_r with reduced length is miniaturization
- Fractal geometry comprise larger antenna length in a smaller volume

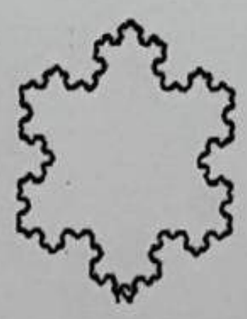
HOW MULTIBAND OPERATION?

- A single antenna operating in two or more frequency bands-multiband operation
- Antenna elements operating in different frequency used
- In fractal antenna coupling between sharp angles produce different current paths achieving multi band operation



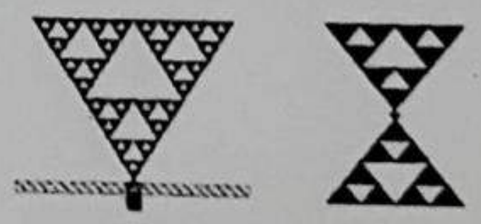
KOCH LOOP

- A koch loop can be used loop antenna
- Perimeter gets increased maintaining the same volume
- less volume required for resonance
- input impedance improved



SIREPINSKI MONOPOLE AND DIPOLE

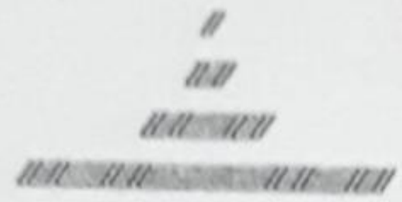
- Multiple bands controlled by scale factors
- Flare angle controls the frequency shift
- Models developed to predict the performance



Scanned by TapScanner

FRACTAL ANTENNA ARRAY

- Antenna array : to improve the gain
- Random fractal used to generate array configuration between periodic and random
- Low side lobe (feature of periodic array) Robust (feature of random array)
- four stage linear Cantor array



CONCLUSION

- An overview of fractal antenna theory was presented
- Small sized, lo profile and low weight antennas can be developed by using fractal geometries
- Being in early stage of development more innovations to come in the future

THANK YOU

Scanned by TapScanner

Dayananda Sagar University

School of Engineering

Kudlu Gate, Hosur Main Road,
Bengaluru - 560068

Department of Electronics and Communication Engineering

Session: Aug-Nov 2019

Semester: 3rd A

Electromagnetic Theory (16EC205)

Week learners and Fast learners

Remedial measures for week learners

The weak student in Electromagnetic Theory (16EC205) subject is identified based on the performance of IA test1. The students who have scored less than 5 are asked to attend remedial classes which is held from 21-09-2019 to 12-11-2019. In remedial classes extra problems and previous year question papers have been solved and also guided the students, how to approach a different variety of numerical.

Proofs – Attendance Sheet

Sample copy of numericals and question paper solved.

For advance learners

Advanced learners have been given opportunity solve some vector related numericals using any software applications and verified the results.

Proofs – Report.

K.R.Manasa

Manasa K R

Course coordinator

15/11/19

Dr. Vaibhav A Meshram

Chairman, ECE

Scanned by TapScanner

Dayananda Sagar University

School of Engineering

Kudlu Gate, Hosur Main Road,
Bengaluru - 560068

Department of Electronics and Communication Engineering

Electro Magnetic Theory (16EC205)

Remedial class attendance

Sl. No	USN	Name	21/9	21/9	28/9	28/9	12/10	12/10	26/10	26/10	09/11	09/11	
1	ENG18EC0013	ARJUN H N	1	2	AB	AB	3	4	5	6	7	8	
2	ENG18EC0042	INDRANEEL MUKHERJEE	1	2	3	4	5	6	7	8	9	10	
3	ENG18EC0020	BHANU PRAKASH M	1	2	3	4	5	6	AB	AB	7	8	
4	ENG18EC0040	HRITHIK D A	AB	AB	1	2	3	4	5	6	7	8	
5	ENG18EC0055	M SHREYAS GOWDA	AB	AB	1	2	3	4	5	6	7	8	
6	ENG18EC0057	MAHESH K N	1	2	3	4	AB	AB	5	6	7	8	
7	ENG17EC0006	AJIT KUMAR SINGH	1	2	3	4	5	6	AB	AB	AB	AB	
8	ENG18EC0045	K S NAVEEN KUMAR	1	2	AB	AB	AB	AB	AB	AB	3	4	
9	ENG19EC1010	MANOJ Y R	1	2	3	4	5	6	AB	AB	7	8	
10	ENG18EC0007	AMEYATMA GODKHINDI DIXIT	1	2	AB	AB	3	4	5	6	7	8	
11	ENG18EC0017	B H BHARGAV	1	2	3	4	AB	AB	5	6	7	8	
12	ENG18EC0026	CHARAN KUMAR R	AB	AB	1	2	3	4	5	6	7	8	
13	ENG19EC1004	DILIP KUMAR U	1	2	3	4	5	6	7	8	AB	AB	
14	ENG19EC1005	HEMANTH KUMAR K N	1	2	AB	AB	3	4	5	6	7	8	
15	ENG18EC0003	ADITYA ANANTH IYER	AB	AB	1	2	3	4	5	6	7	8	
16	ENG18EC0004	AKANSHA M P	AB	AB	1	2	3	4	5	6	7	8	
17	ENG18EC0009	AMIT JAMSHETTY	1	2	3	4	5	6	AB	AB	7	8	
18	ENG18EC0043	JENNIFER KUMAR	1	2	3	4	5	6	AB	AB	7	8	
19	ENG18EC0046	KALAVARA ANIL	1	2	3	4	5	6	AB	AB	7	8	
20	ENG18EC0048	KATTADEEPTHI	1	2	3	4	5	6	7	8	9	10	
21	ENG18EC0051	KUSHAL J	1	2	3	4	5	6	7	8	9	10	
22	ENG18EC0053	LIKITHA	1	2	AB	AB	3	4	5	6	7	8	
23	ENG18EC0058	MAHESHWARI A M	1	2	3	4	5	6	7	8	AB	AB	
24	ENG19EC1001	AAKASH SAKRI	1	2	AB	AB	AB	AB	3	4	5	6	
25	ENG19EC1002	ABHISHEK A UMESH G GADAD	1	2	3	4	5	6	AB	AB	7	8	
26	ENG19EC1009	MANOHAR G	AB	AB	1	2	3	4	5	6	7	8	

K. R. Manasa

Manasa K R
Course coordinator

15/11/19

Dr. Vaibhav A Meshram
Chairman, ECE, SoE, DSU

Scanned by TapScanner

Dayananda Sagar University

School of Engineering,Kudlu Gate,

Hosur Main Road

Bengaluru-560068

Department of Electronics and Communication Engineering

ELECTROMAGNETIC WAVE THEORY

16EC205

By,
ENG18EC0044
K JATHIN JAIN

To,
Manasa K R
Assistant Professor
Dept. of ECE, SOE, DSU

Scanned by TapScanner

TABLE OF CONTENTS

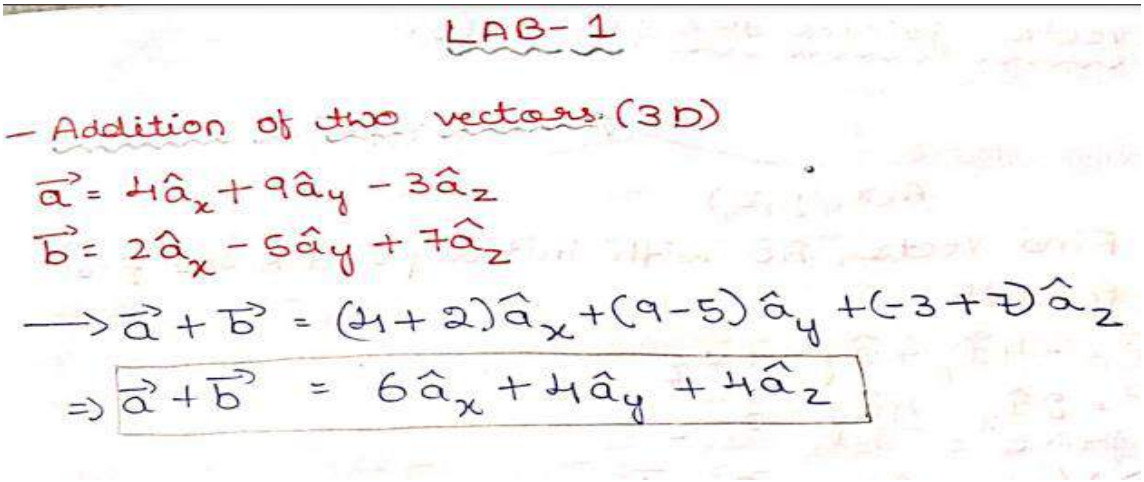
1. Operations on vectors

2. Conversions from one Co-ordinate system to other

LAB-1

1. ADDITION OF TWO VECTORS

- Manual Calculation:-



LAB-1

– Addition of two vectors (3D)

$\vec{a} = 4\hat{a}_x + 9\hat{a}_y - 3\hat{a}_z$

$\vec{b} = 2\hat{a}_x - 5\hat{a}_y + 7\hat{a}_z$

$\longrightarrow \vec{a} + \vec{b} = (4+2)\hat{a}_x + (9-5)\hat{a}_y + (-3+7)\hat{a}_z$

$\Rightarrow \vec{a} + \vec{b} = 6\hat{a}_x + 4\hat{a}_y + 4\hat{a}_z$

- Calculation in Omnicalculator:-

Vector **a**:	
x	4
y	9
z	-3
Vector **b**:	
x	2
y	-5
z	7

Result

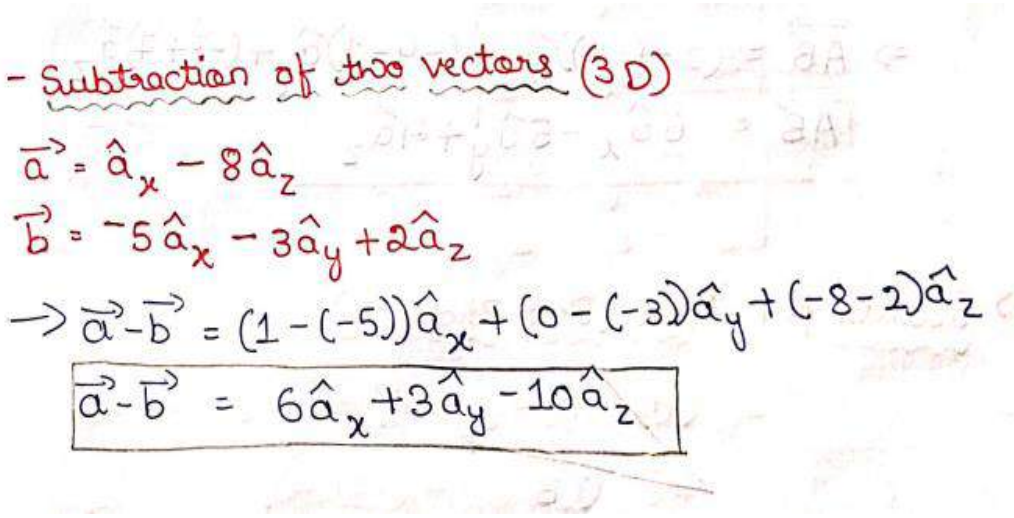
Vector **a** + **b**:

x	6
y	4
z	4

- Compare the outputs obtained by addition of two vectors, both manually and in omni calculator. We have obtained the same output.

2. SUBTRACTION OF TWO VECTORS

- Manual Calculation:-



- Calculation in omni calculator:-

Vector a:	
x	1
y	0
z	-8
Vector b:	
x	-5
y	-3
z	2

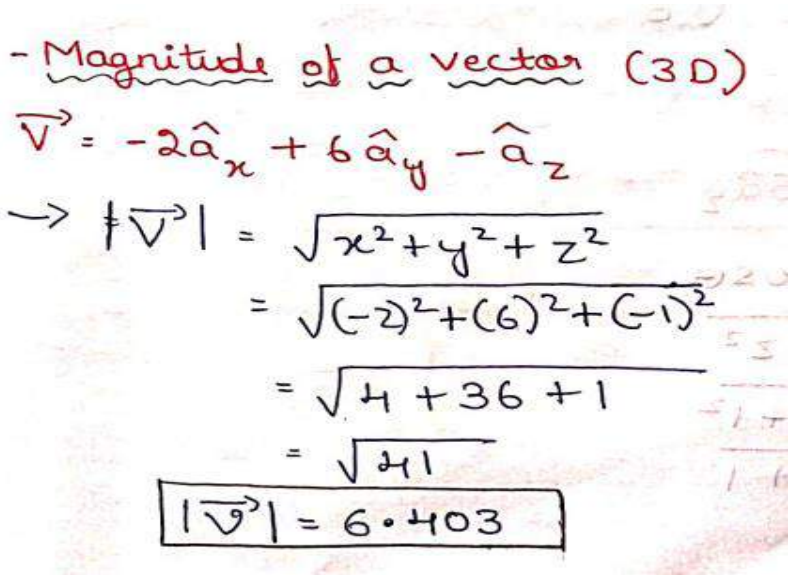
Result

Vector a - b:	
x	6
y	3
z	-10

- Compare the outputs obtained by subtraction of two vectors, both manually and in omni calculator. We have obtained the same output. Hence the answer obtained is correct.

3. MAGNITUDE OF A VECTOR

- Manual Calculation:-



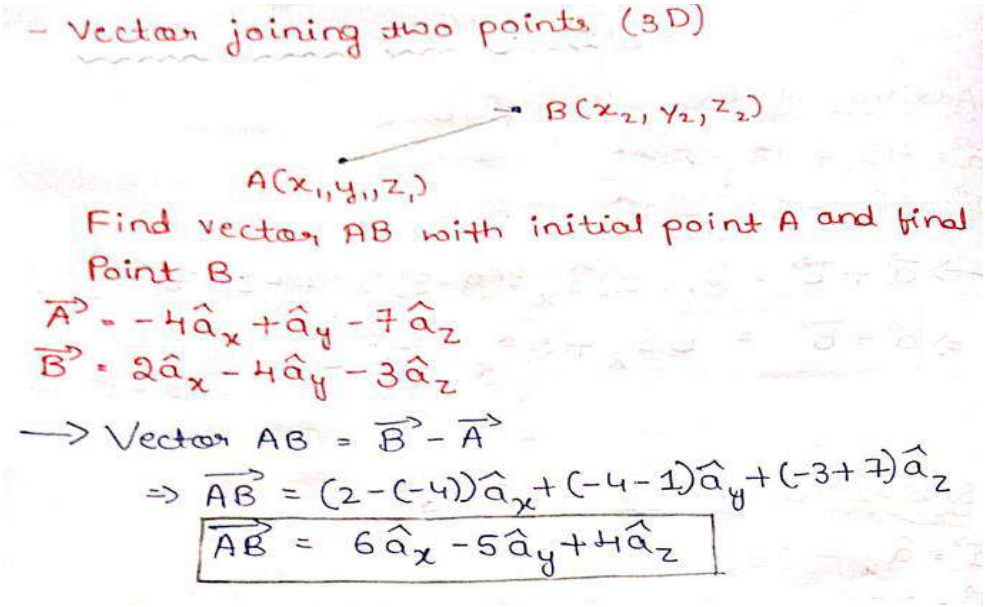
- Calculation in omni calculator:-

Input coordinates	
x	-2
y	6
z	-1
Magnitude	6.403

- Output obtained both manually and in omnicalculator for finding magnitude of a vector is same.

4. VECTOR JOINING TWO POINTS

- Manual Calculation:-



- Calculation on omni calculator:-

Initial point **A**:

x_1	-4
y_1	1
z_1	-7

Terminal point **B**:

x_2	2
y_2	-4
z_2	-3

Result

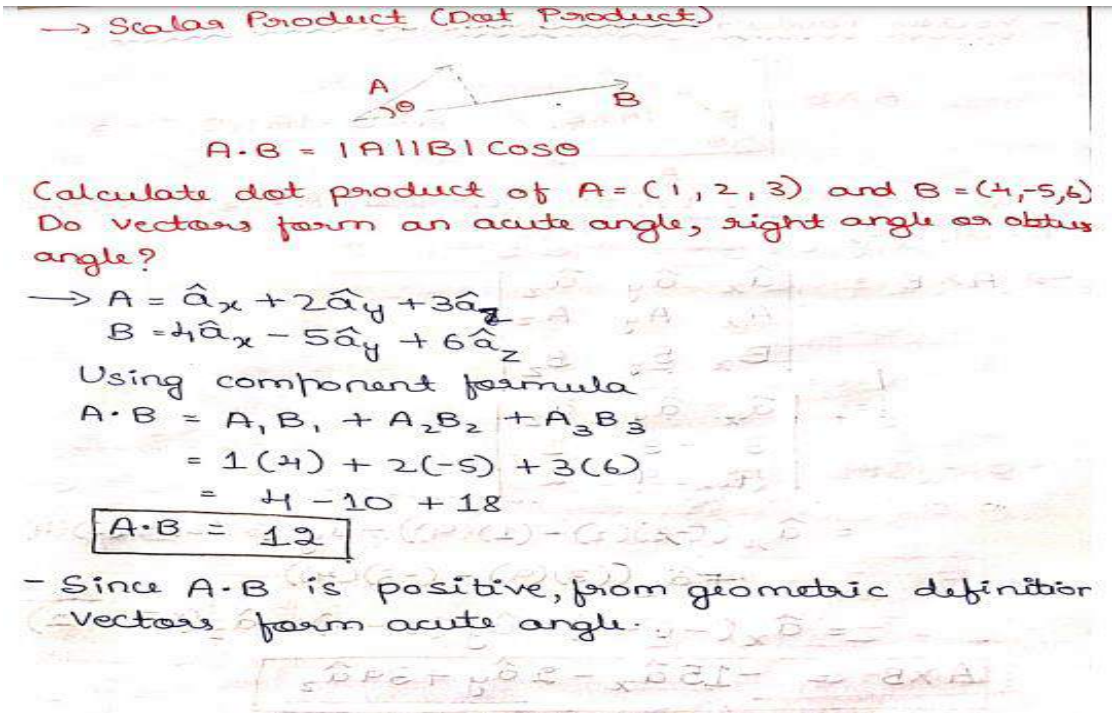
Vector **AB**:

x	6
y	-5
z	4

- We have obtained same results both manually and in omnicalculator for vector joining two points. Hence the results obtained are correct.

5. SCALAR PRODUCT OF TWO VECTORS

- Manual Calculation:-



- Calculation on omnicalculator:-

Vector **a**:

x	1
y	2
z	3

Vector **b**:

x	4
y	-5
z	6

Result

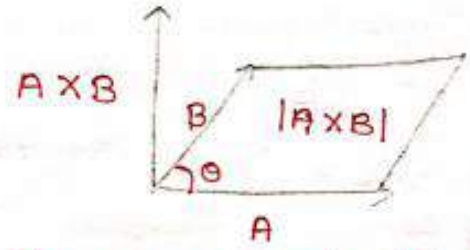
a · **b** =	12

- Results obtained for calculation of scalar product of two vectors in both is same. Hence the calculations are correct.

6. VECTOR PRODUCT OF TWO VECTORS

- Manual Calculation:-

- Vector Product (cross Product)



$A \times B = |A||B| \sin\theta$

Calculate cross product between $A = (3, -3, 1)$ and $B = (4, 9, 2)$.

$$\rightarrow A \times B = \begin{vmatrix} \hat{a}_x & \hat{a}_y & \hat{a}_z \\ A_x & A_y & A_z \\ B_x & B_y & B_z \end{vmatrix}$$

$$= \begin{vmatrix} \hat{a}_x & \hat{a}_y & \hat{a}_z \\ 3 & -3 & 1 \\ 4 & 9 & 2 \end{vmatrix}$$

$$= \hat{a}_x((-3)(2) - (1)(9)) - \hat{a}_y((3)(2) - (1)(4)) + \hat{a}_z((3)(9) - (-3)(4))$$

$$= \hat{a}_x(-6-9) - \hat{a}_y(6-4) + \hat{a}_z(27+12)$$

$$\boxed{A \times B = -15\hat{a}_x - 2\hat{a}_y + 39\hat{a}_z}$$

- Calculation obtained on omnicalculator:-

Vector **a**:

x	3
y	-3
z	1

Vector **b**:

x	4
y	9
z	2

Result

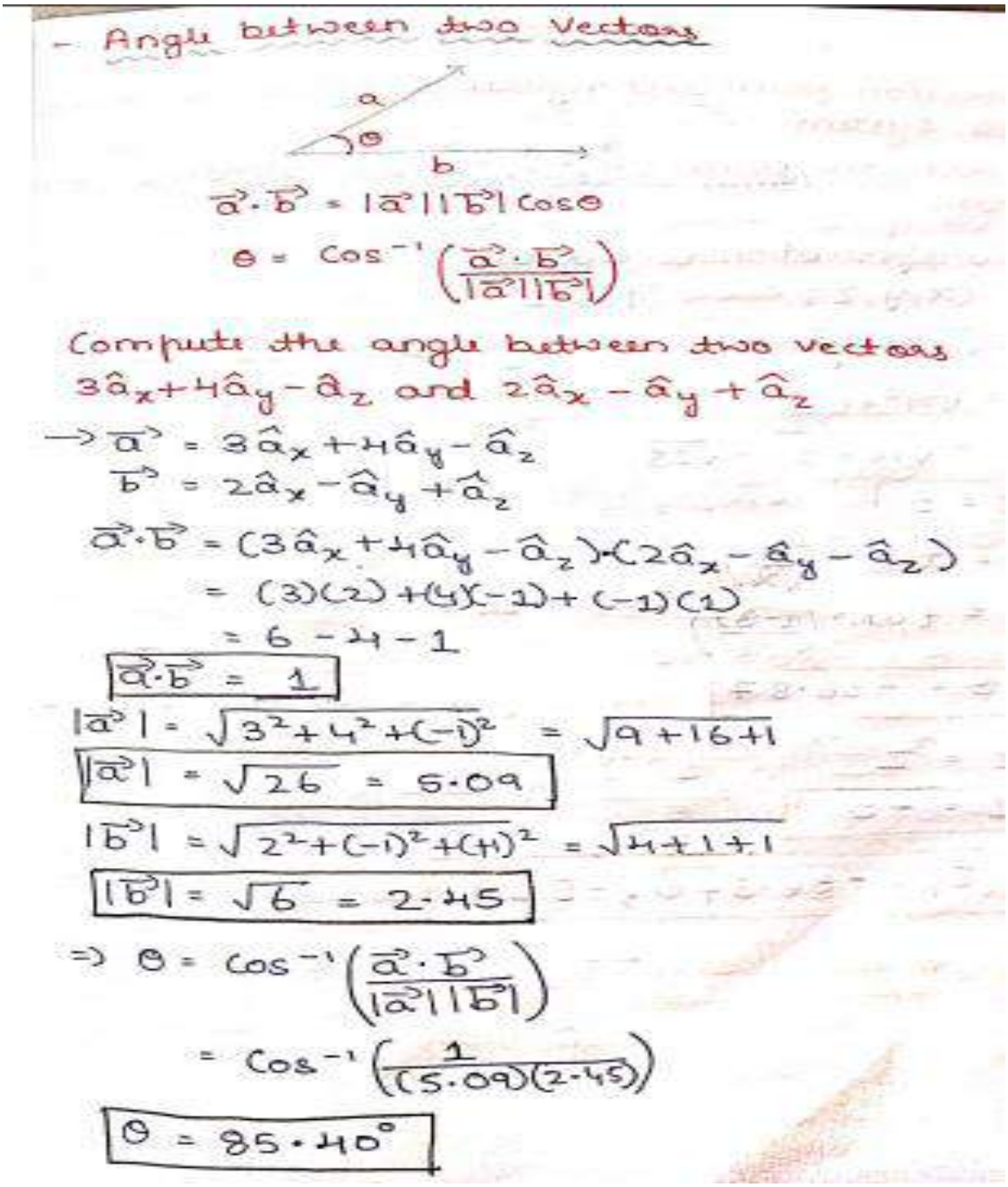
Cross product **a** × **b**:

x	-15
y	-2
z	39

Results obtained in calculating cross product of two vectors both manually and in omnicalculator is same. Hence the output obtained is correct.

7. ANGLE BETWEEN TWO VECTORS

- Manual Calculation:-



- Calculation obtained in omnicalculator:-

Vector **a**:

x	3
y	4
z	-1

Vector **b**:

x	2
y	-1
z	1

Result

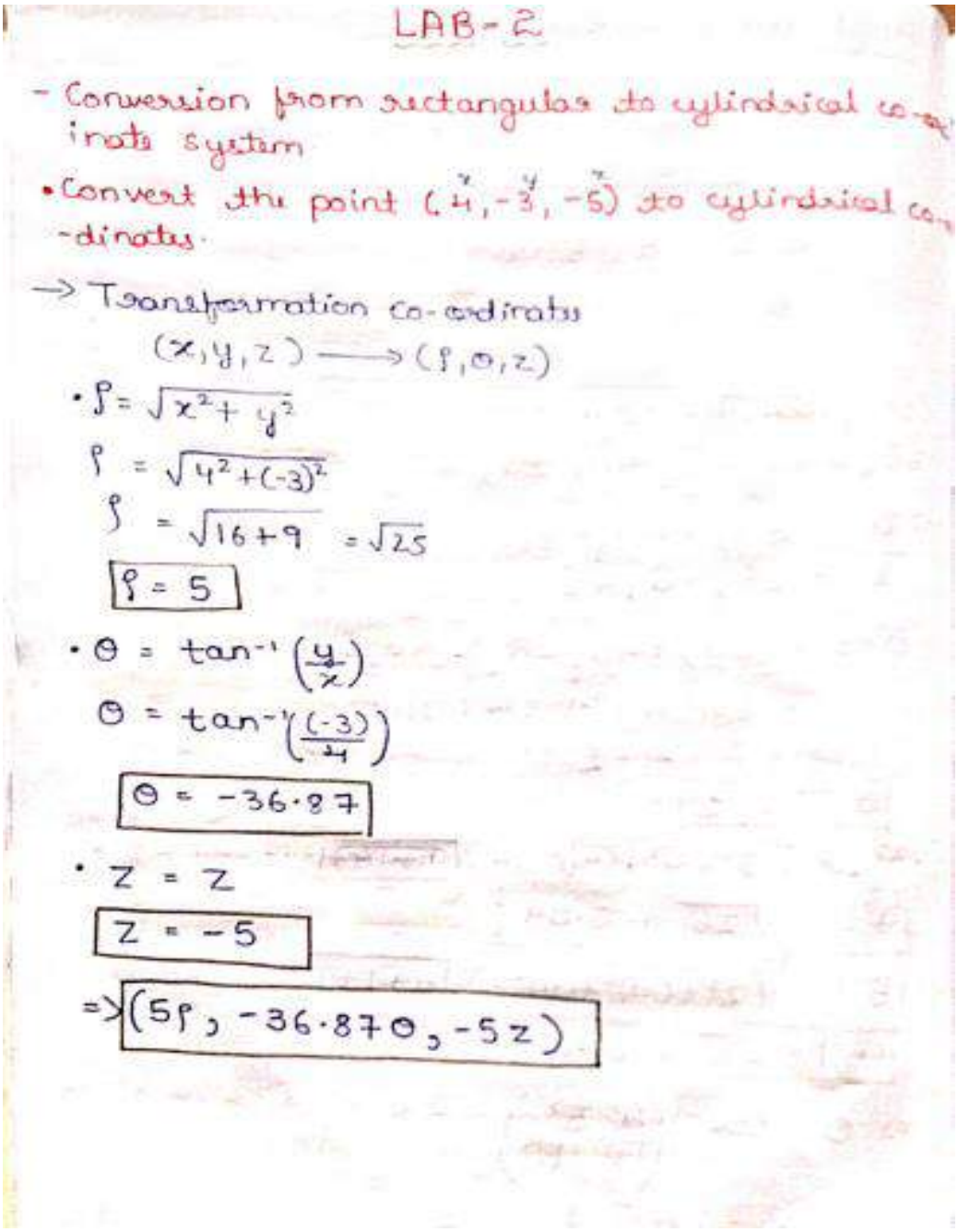
Angle between **a** and **b** = 85.4 deg

- Result obtained in both omnicalculator and manually for calculating angle between two vectors is same.

LAB-2

1. CONVERSION FROM RECTANGULAR TO CYLINDRICAL CO-ORDINATE SYSTEM

- Manual Calculation:-



LAB-2

- Conversion from rectangular to cylindrical co-ordinate system

- Convert the point $(\hat{4}, -\hat{3}, -\hat{5})$ to cylindrical co-ordinates.

→ Transformation co-ordinates

$(x, y, z) \longrightarrow (\rho, \theta, z)$

- $\rho = \sqrt{x^2 + y^2}$

$\rho = \sqrt{4^2 + (-3)^2}$

$\rho = \sqrt{16 + 9} = \sqrt{25}$

$\boxed{\rho = 5}$

- $\theta = \tan^{-1}\left(\frac{y}{x}\right)$

$\theta = \tan^{-1}\left(\frac{(-3)}{4}\right)$

$\boxed{\theta = -36.87}$

- $z = z$

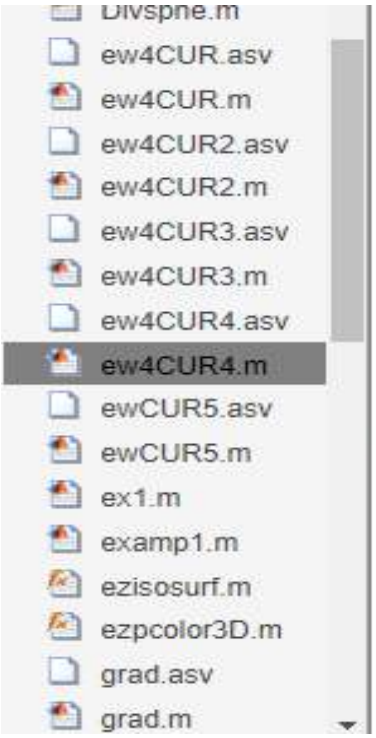
$\boxed{z = -5}$

$\Rightarrow \boxed{(5\rho, -36.87\theta, -5z)}$

- Code in Matlab:-

```
clc;
clear all;
close all;
x=4;
y=-3;
z=-5;
[theta,rho,z]=cart2pol(x,y,z)
theta1=rad2deg(theta)
```

- Output obtained in matlab:-




```
rho =

     5


z =

    -5


theta1 =

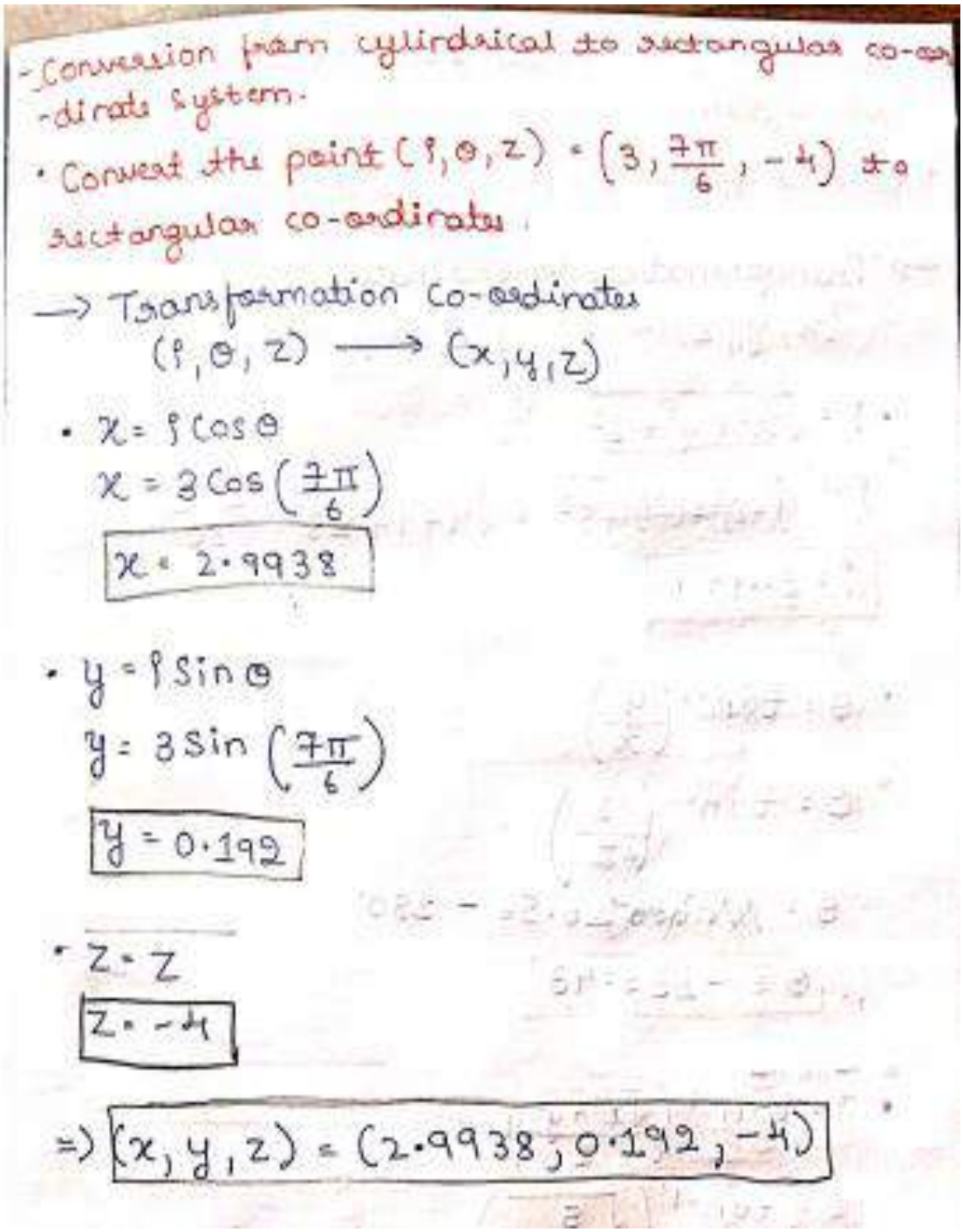
  -36.8699

>>
```

- Same output is obtained both in matlab and manually is same.Hence the conversion is correct.

2. CONVERSION FROM CYLINDRICAL TO RECTANGULAR CO-ORDINATE SYSTEM

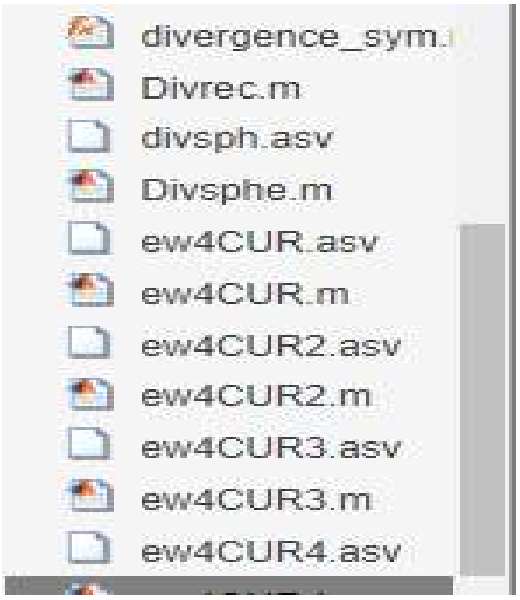
- Manual Calculation:-



- Matlab Code:-

```
clc;
clear all;
close all;
theta = 7*pi/6;
theta1= deg2rad(theta);
rho = 3;
z = -4;
[x,y,z] = pol2cart(theta1,rho,z)
```

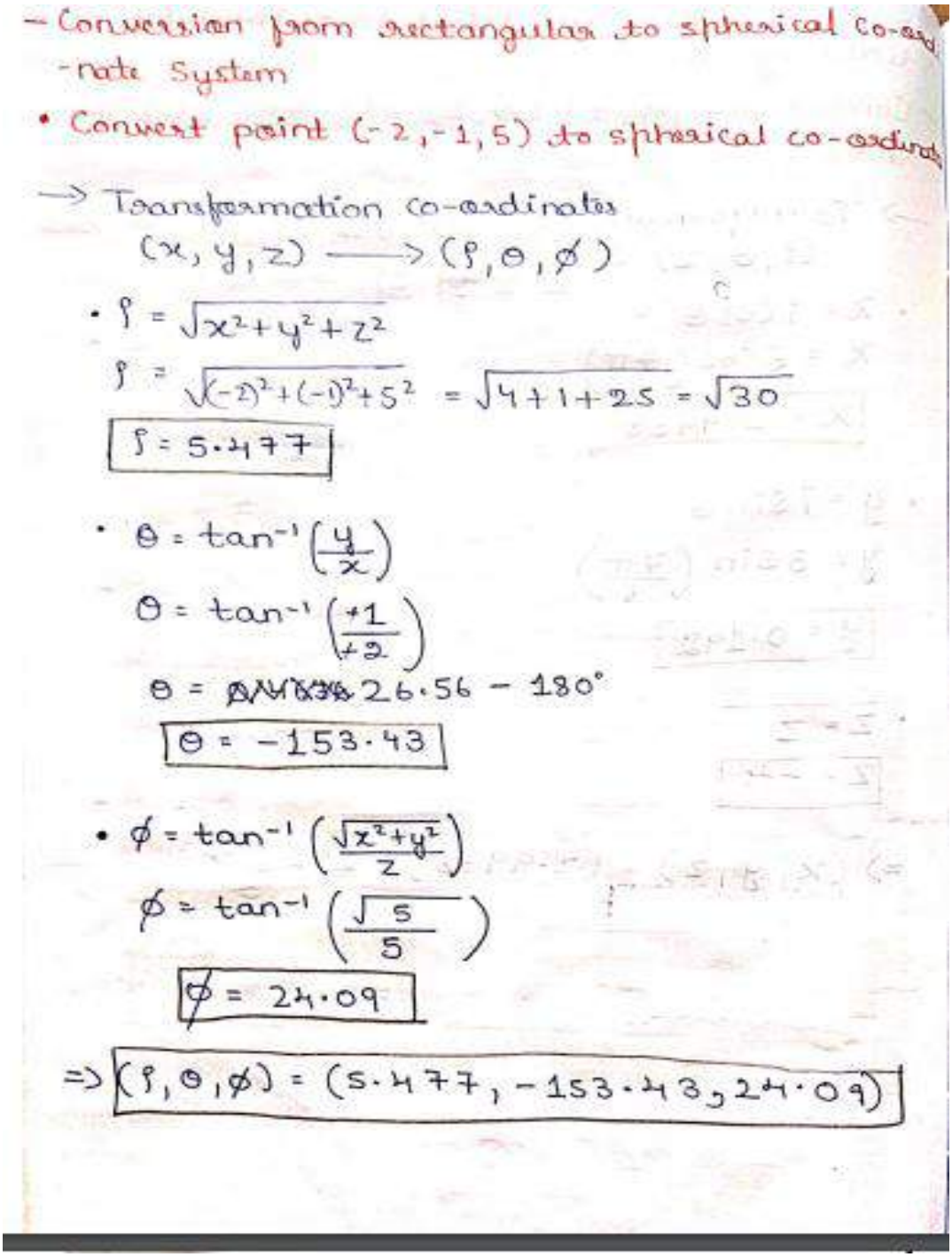
- Output obtained in Matlab:-



Output obtained in both matlab and manual is same,hence the conversion is right.

3. CONVERSION FROM RECTANGULAR TO SPHERICAL CO-ORDINATE SYSTEM

- Manual Calculation:-



- Conversion from rectangular to spherical Co-ordinate System
- Convert point (-2, -1, 5) to spherical co-ordinate

→ Transformation co-ordinates

$(x, y, z) \longrightarrow (\rho, \theta, \phi)$

- $\rho = \sqrt{x^2+y^2+z^2}$

$\rho = \sqrt{(-2)^2+(-1)^2+5^2} = \sqrt{4+1+25} = \sqrt{30}$

$\boxed{\rho = 5.477}$

- $\theta = \tan^{-1}\left(\frac{y}{x}\right)$

$\theta = \tan^{-1}\left(\frac{+1}{+2}\right)$

$\theta = 26.56 - 180°$

$\boxed{\theta = -153.43}$

- $\phi = \tan^{-1}\left(\frac{\sqrt{x^2+y^2}}{z}\right)$

$\phi = \tan^{-1}\left(\frac{\sqrt{5}}{5}\right)$

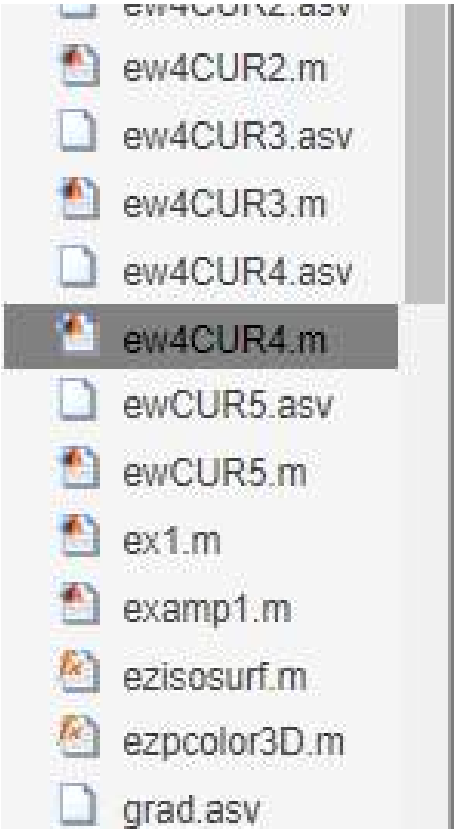
$\boxed{\phi = 24.09}$

$\Rightarrow \boxed{(\rho, \theta, \phi) = (5.477, -153.43, 24.09)}$

- Matlab Code:-

```
clc;
clear all;
close all;
x=-2;
y=-1;
z=5;
[theta,phi3,rho]=cart2sph(x,y,z)
theta1=rad2deg(theta)
```

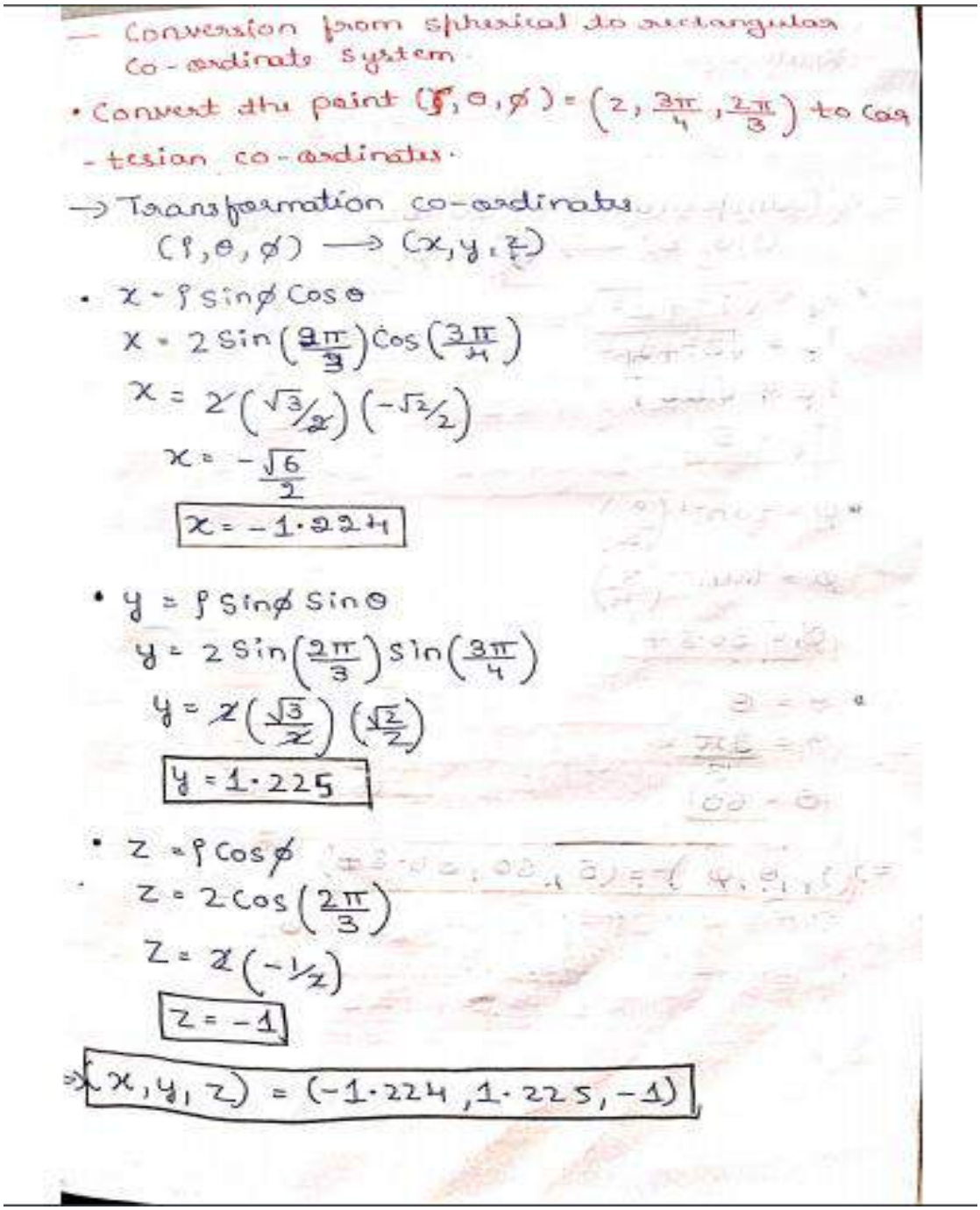
- Output obtained on Matlab:-



Result obtain in both manual and Matlab is the same, Hence the above conversion is correct.

4. CONVERSION FROM SPHERICAL TO RECTANGULAR CO-ORDINATE SYSTEM

- Manual Calculation:-



— Conversion from spherical to rectangular co-ordinate system

• Convert the point $(\rho, \theta, \phi) = \left(2, \frac{3\pi}{4}, \frac{2\pi}{3}\right)$ to Cartesian co-ordinates.

→ Transformation co-ordinates

$(\rho, \theta, \phi) \longrightarrow (x, y, z)$

• $x = \rho \sin\phi \cos\theta$

$x = 2 \sin\left(\frac{2\pi}{3}\right) \cos\left(\frac{3\pi}{4}\right)$

$x = 2\left(\frac{\sqrt{3}}{2}\right)\left(-\frac{\sqrt{2}}{2}\right)$

$x = -\frac{\sqrt{6}}{2}$

$\boxed{x = -1.224}$

• $y = \rho \sin\phi \sin\theta$

$y = 2 \sin\left(\frac{2\pi}{3}\right) \sin\left(\frac{3\pi}{4}\right)$

$y = 2\left(\frac{\sqrt{3}}{2}\right)\left(\frac{\sqrt{2}}{2}\right)$

$\boxed{y = 1.225}$

• $z = \rho \cos\phi$

$z = 2 \cos\left(\frac{2\pi}{3}\right)$

$z = 2\left(-\frac{1}{2}\right)$

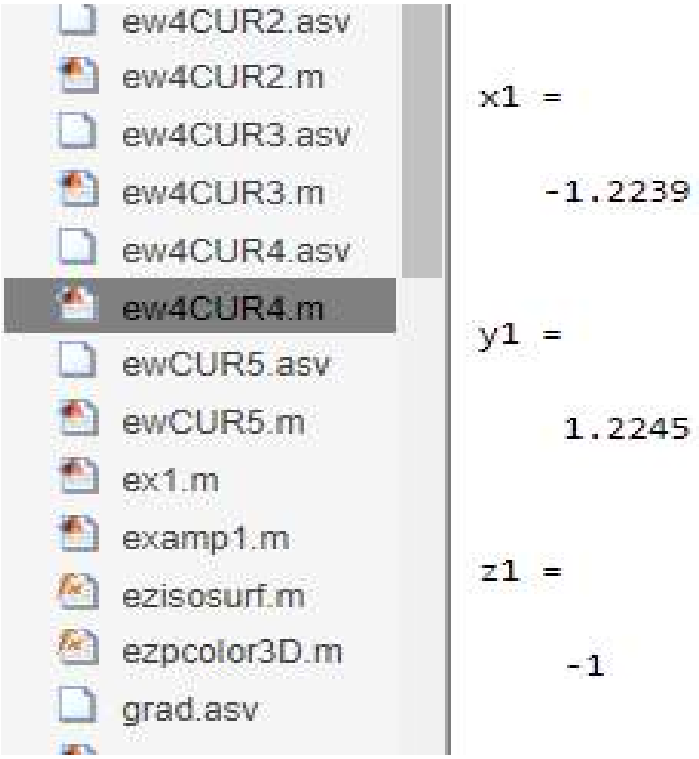
$\boxed{z = -1}$

$\boxed{(x, y, z) = (-1.224, 1.225, -1)}$

- Matlab Code:-

```
clc;
clear all;
close all;
theta=3*pi/4;
theta1=rad2deg(theta);
phi=2*pi/3;
phi1=rad2deg(phi);
rho=2;
[x1,y1,z1]=sph2cart(theta1,phi1,rho)
```

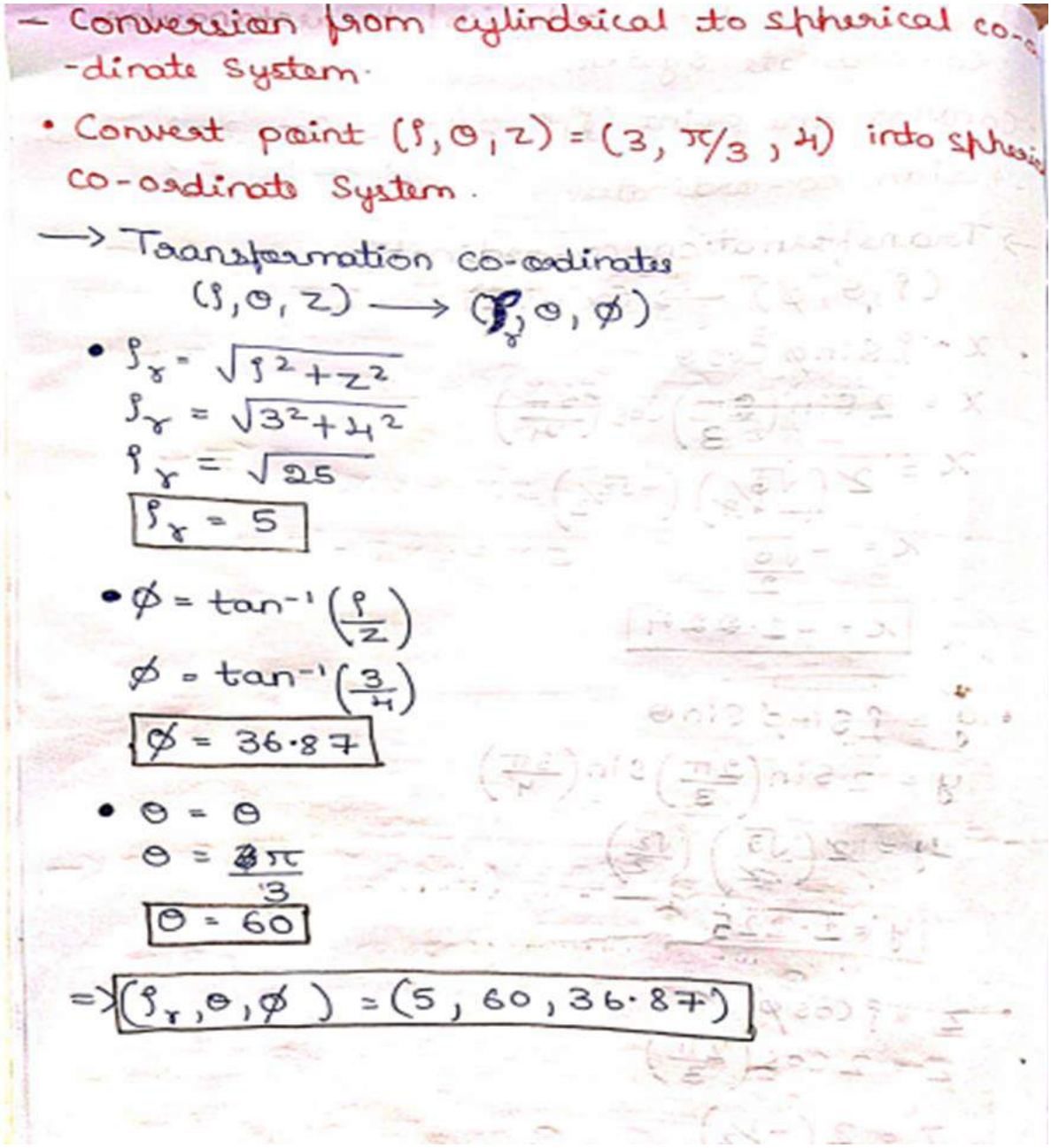
- Output obtained in Matlab:-



- Output obtained in both Matlab and manually is same, hence the conversion is correct.

5. CONVERSION FROM CYLINDRICAL TO SPHERICAL CO-ORDINATE SYSTEM

- Manual Calculation:-



– Conversion from cylindrical to spherical co-ordinate System.

• Convert point $(\rho, \theta, z) = (3, \pi/3, 4)$ into spherical co-ordinate System.

⟶ Transformation co-ordinates

$(\rho, \theta, z) \longrightarrow (\rho_r, \theta, \phi)$

• $\rho_r = \sqrt{\rho^2 + z^2}$

$\rho_r = \sqrt{3^2 + 4^2}$

$\rho_r = \sqrt{25}$

$\boxed{\rho_r = 5}$

• $\phi = \tan^{-1}\left(\frac{\rho}{z}\right)$

$\phi = \tan^{-1}\left(\frac{3}{4}\right)$

$\boxed{\phi = 36.87}$

• $\theta = \theta$

$\theta = \frac{\pi}{3}$

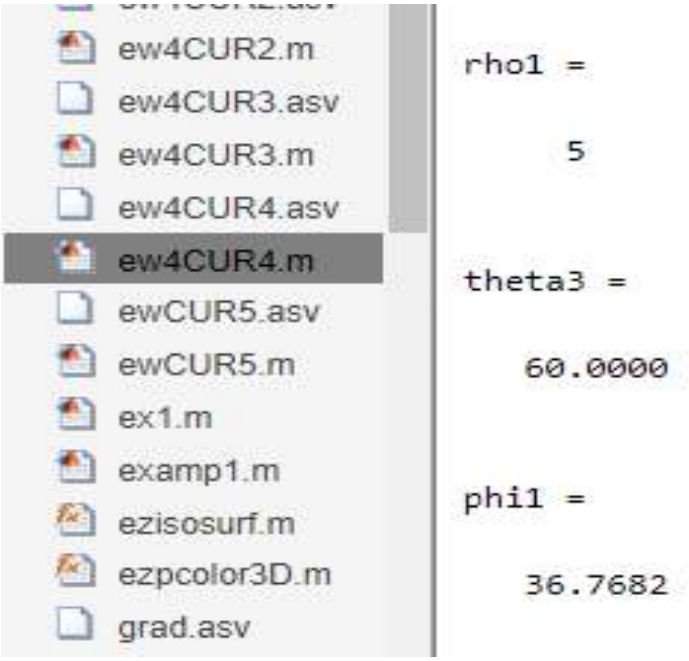
$\boxed{\theta = 60}$

$\Rightarrow \boxed{(\rho_r, \theta, \phi) = (5, 60, 36.87)}$

- Matlab Code:-

```
clc;
clear all;
close all;
theta = 60;
theta1= deg2rad(theta);
rho = 3;
z = 4;
[x,y,z] = pol2cart(theta1,rho,z);
[theta2,phi,rho1] = cart2sph(x,y,z)
theta3=rad2deg(theta2)
```

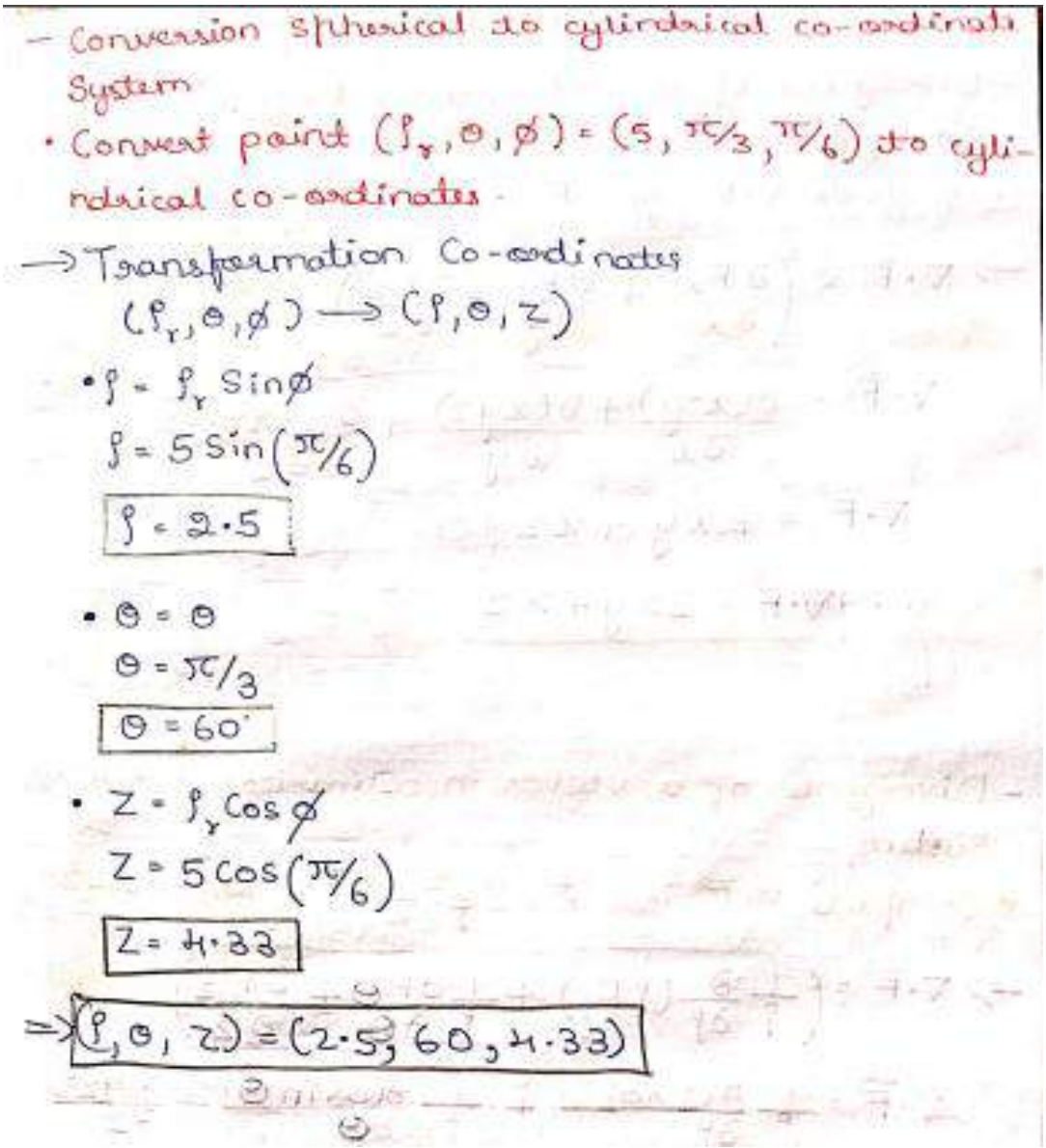
- Output obtained on Matlab:-



- Result obtained in both Matlab and manual is same, hence the conversion is correct.

6. CONVERSION FROM SPHERICAL TO CYLINDRICAL CO-ORDINATE SYSTEM

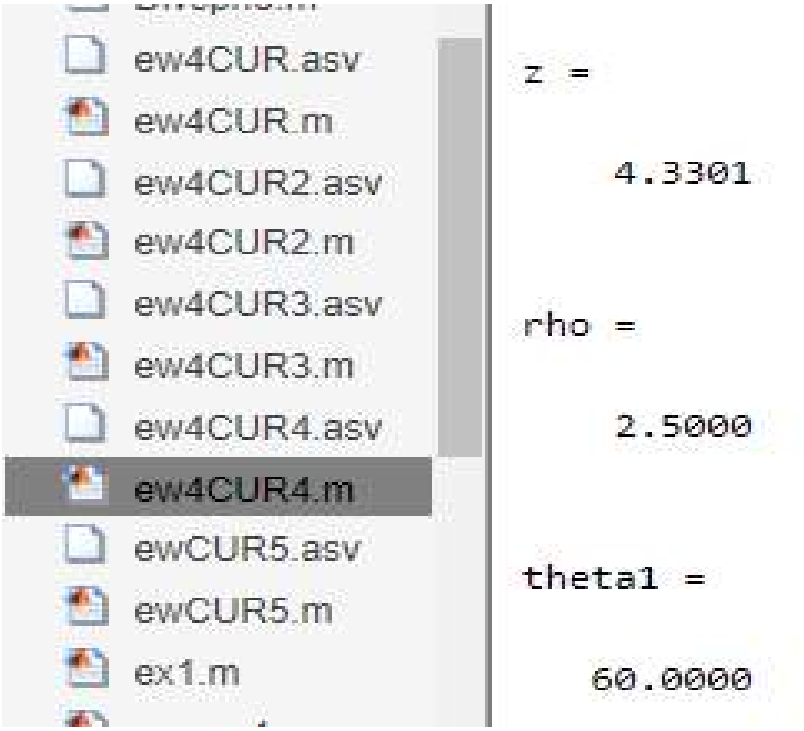
- Manual Calculation:-



- Matlab Code:-

```
clc;
clear all;
close all;
theta=pi/3;
phi=pi/6;
rho=5;
[x,y,z]=sph2cart(theta,phi,rho);
[theta2,z,rho]=cart2pol(x,y,z)
theta1=rad2deg(theta)
```

- Output obtained on Matlab:-

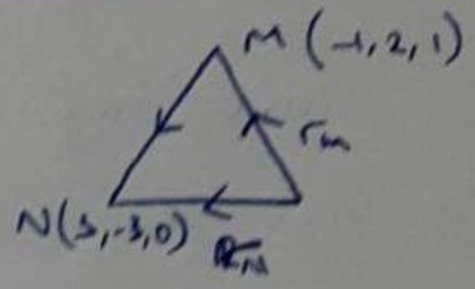


- Result obtained by matlab and manual calculations are same. Hence the conversion is correct.

EW-Assignment

ENG18EC0062
Indraneel Mukarjee

1. M(-1, 2, 1) N(3, -3, 0) P(-2, -3, -4)



Soln. (a) R_{MN}

$$R_{MN} = r_N - r_M.$$

$$= (3a_x - 3a_y + 0a_z) - (-1a_x + 2a_y + 1a_z)$$

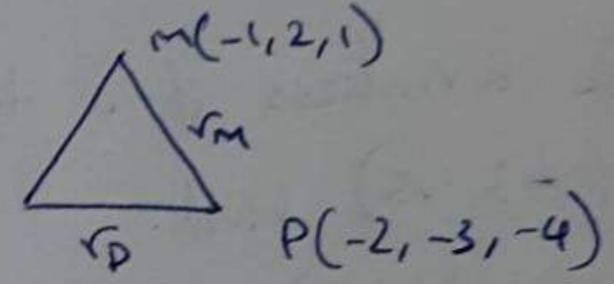
$$= (3+1)a_x + (-3-2)a_y + (0-1)a_z.$$

$$R_{MN} = 4a_x - 5a_y - a_z \ m$$

(b) $R_{MN} + R_{MP} = ?$

$$R_{MP} = r_P - r_M$$

$$= (-2, -3, -4) - (-1, 2, 1)$$



$$= (-2+1)a_x + (-3-3)a_y + (4-1)a_z$$

$$= -a_x - 5a_y - 5a_z \ m$$

We know that $R_{MN} = 4a_x - 5a_y - a_z$

$$R_{MN} + R_{MP} = (4a_x - 5a_y - a_z) + (-a_x - 5a_y - 5a_z)$$

$$= 3a_x - 10a_y - 6a_z.$$

(c) $|r_M| = ?$

$R_M = (-a_x + 2a_y + a_z)$

$|r_m| = \sqrt{(-1)^2 + 2^2 + 1^2} = \sqrt{}$

$|r_m| = 2.45 \ m$

(d) [redacted] $a_{MP} = ?$ $a_{MP} = R_{MP}/|R_{MP}|$

$R_M = (-a_x - 5a_y - 5a_z)$.

$|R_{MP}| = \sqrt{(-1)^2 + (-5)^2 + (-5)^2} = \sqrt{51} = 7.14.$

$a_{MP} = -a_x - 5a_y - 5a_z / 7.15.$

$= 0.14a_x - 0.7a_y - 0.7a_x.$

Scanned by TapScanner

(e) $|2r_P - 3r_N| = ?$.

$r_P = -2a_x - 3a_y - 4a_z$.

$2r_P = -4a_x - 6a_y - a_z$.

$r_N = 3a_x - 3a_y + 0a_z$.

$3r_N = 9a_x - 9a_y + 0a_z$.

$2r_P - 3r_N = -(4a_x - 6a_y - a_z) - (9a_x - 9a_y + 0a_z)$.

$= -13a_x + 3a_y - 8a_z$.

$|2r_P - 3r_N| = \sqrt{(-13)^2 + 3^2 + 8^2}$.

$= \sqrt{242}$

$|2r_P - 3r_N| = 15.56$.

3. The 3 vertices of a triangle are located at A(6,-1,2), B(-2,3,-4) and C(-3,1,5) Find:-

(a) R_{AB}; (b) (R_{AC}) (c) The angle of θBAC at vector A; (d) the (vector) projection of R_{AB} on R_{AC}.

(a) $R_{AB} = r_B - r_A$.

$R_{AB} = (-2a_x + 3a_y - 4a_z) - (6a_x - 9_y + 2a_z)$.

$= -8a_x + 4a_y - 6a_z$

(b) $R_{AC} = r_C - r_A$.

$= -9a_x + 2a_y + 3a_z$.

(c) $R_{AB} \cdot R_{AC} = |R_{AB}||R_{AC}| \cos\theta_{BAC}$.

$\cos\theta_{BAC} = \dfrac{R_{AB} \cdot R_{AC}}{|R_{AB}||R_{AC}|}$.

$= \dfrac{(-8a_x + 4a_y - 6a_z).(-9a_x + 2a_y + 3a_z)}{|\sqrt{(-8)^2 + 4^2 + (-6)^2}||\sqrt{(-9)^2 + 2^2 + 3^2}|} = 0.594$.

Scanned by TapScanner

$$= \frac{6^2}{|\sqrt{16}||\sqrt{94}|}$$

$$\theta_{BAC} = \cos^{-1}(0.594)$$

$$= 53.56^\circ.$$

(d) R_{AB} on R_{AC} = $(R_{AB}\ a_x)\ a_{AC}$.

$$= \left[(8a_x + 4a_y - 6a_z)\ \frac{(-9a_x + 2a_y + 3a_z)}{\sqrt{(-9)^2 + (2)^2 + 3^2}}\right] \frac{(-9a_x + 2a_y + 3a_z)}{|\sqrt{-9^2 + 2^2 + 3^2}|}$$

$$= \frac{6^2}{\sqrt{94}}\ \frac{(-9a_x + 2a_y + 3a_z)}{\sqrt{94}}$$

$$= -5.963a_x + 1.319a_y + 1.97a_z$$

5. Give the rectangular coordinates of the point C (P=4.4, ψ = -115°, z=2)

(b) Give the cylindrical coordinates of the point D(x=-3.1, y=2.6, z=-3)

(c) Specify the distance from C to D.

Soln:- (a) P=4.4, ψ = -115°, z = 2

$x = P\cos\psi$.

$y = P\sin\psi$.

$z = 2$

$x = 4.4\cos(-115) = -1.860$.

$y = 4.4\sin(-115) = -3.99$.

$z = 2$.

∴ rectangular coordinates of Point case $x = -1.860$.

$y = -3.99$, $z = 2$, C(-1.860, -3.99, 2).

(b) Rectangular into cylindrical.

$x = -3.1$, $y = 2.2$, $z = -3$.

$P = \sqrt{x^2+y^2} = \sqrt{(-3.1)^2 + (2.6)^2} = \sqrt{16.37}$. $P = 4.05$.

Scanned by TapScanner

$\varphi = \tan^{-1}\left(\frac{2.6}{-3.1}\right) = -39.9°$.

Angle is in 11th quadrant.

$\varphi = 180° - 39.9°$

$\varphi = 140°$

$z = -3$.

Therefore cylindrical coordinates of points D are

$P = 4.05$, $\varphi = -3.99°$, $z = -3$.

D $(P = 4.05, \varphi = -3.99°, z = 3)$.

(c) Distance from C to D.

$C = -1.860a_x - 3.99a_y + 2a_z$.

Point D $(x = -3.1, y = 2.6, z = -3)$ $R_{CD} = r_D - r_C$

$= (-3.1a_x + 2.6a_y - 3a_z) - (-1.860a_x - 3.99a_y + 2a_z)$.

$|R_{CD}| = \sqrt{(-1.24)^2 + (6.59)^2 + (-5)^2} = 8.36$.

7. Given two points, C(-3, 2, 1) and D($r = 5, \theta = 20°, \varphi = -70°$) find (a) the spherical coordinates of C; (b) the rectangular coordinates of D; (c) the distance from C to D.

Soln:- (a) $C = -3, 2, 1$

$r = \sqrt{x^2 + y^2 + z^2} = \sqrt{3^2 + 2^2 + 1^2} = 3.742$

$\theta = \cos^{-1} \frac{z}{\sqrt{x^2 + y^2 + z^2}}$

$= \cos^{-1}(1/3.742) = 74.50$.

$\varphi = \tan^{-1} y/x = \tan^{-1} 2/-3$.

$= -33.69° + 180° = 146.31°$.

Hence C($r = 3.742$; $\theta = 74.50°$, $\varphi = 146.31°$).

Scanned by TapScanner

$D(r=5,\ \theta=20°,\ \psi=-70°)$.

$x = r\sin\theta\cos\psi$

$= 5\sin(20)\cos(-70°)$

$= 5(0.342)(0.342)$.

$= 0.585$

$y = r\sin\theta\cdot\sin\psi$.

$= 5\sin(20)\ \sin(-70°)$

$= 5(0.342)(-0.939)$.

$= -1.60$.

$z = r\cos\theta$.

$= 5\cos(20°)$.

$= 5(0.939)$.

$= 4.698$.

(c) Distance from C to D

$C = -3a_x + 2a_y + a_z$.

$D = 0.585a_x - 1.607a_y + 4.70a_z$.

$R_{CD} = r_D - r_C$

$= (0.585a_x - 1.607a_y + 4.70a_z) - (-3a_x + 2a_y + a_z)$

$= 3.585a_x - 3.607a_y + 3.7a_z$.

$|R_{CD}| = \sqrt{(3.585)^2 + (-3.607)^2 + (3.7)^2}$

$|R_{CD}| = 6.29$.

q1. Two point charges $Q_1 = 30\mu C$ and $Q_2 = -100\mu C$ are located at $(2,0,5)$m and $(-1,0,2)$m. Find the force on Q_1.

Sol:- Given $q_1 = 30\times10^{-6}$ C is at $(2,0,5)$

$q_2 = -100\times10^{-6}$ C is at $(-1,0,2)$

$F = \frac{1}{4\pi\epsilon_0}\frac{Q_1Q_2}{R^2} = 9\times10^9 \times \frac{30\times100}{R^2}$

$R = \sqrt{(-1+1)^2 + 0^2 + (5-2)^2} = \sqrt{3^2+3^2} = \sqrt{9+9}$

$\sqrt{18} = 4.2$.

Scanned by TapScanner

$$F = \frac{27000}{4.2^2} = \frac{27000}{17.64} = 1530.61 \times 10^{-3}\ N.$$

14. Two point charges $Q_1 = 250\mu C$ and $Q_2 = -300\mu C$ are located at $(5,0,0)$ and $(0,0,-5)$ m respectively. Find the force on Q_2.

Soln → $Q_1 = 250 \times 10^{-6} C$.

$Q_2 = 300 \times 10^{-6} C$.

$$R = \sqrt{5^2+0^2+5^2} = \sqrt{25+25} = \sqrt{50} = 7.07$$

$$F = \frac{1}{4\pi\epsilon_0}\frac{Q_1Q_2}{R^2} = \frac{9\times10^9 \times 250 \times 300}{(7.07)^2}$$

$$= \frac{675000}{49.98} = 13505.40 \times 10^{-3}\ N$$

$F_{21} = 13.5N$

15. Find E at origin due to a point charge of 64.4nC located at $(-4,3,2)$ on in cartesian coordinates.

Soln → Electric field intensity due to a point charge Q at the origin.

$$\vec{OA} = 4a\hat{n} + 3a\hat{j} + 2a\hat{z}.$$

$$|\vec{OA}| = \sqrt{(-4)^2 + (3)^2 + 2^2}$$

$$|\vec{OA}| = \sqrt{16+9+4} = \sqrt{29} = 5.38m.$$

$$E = 9\times10^9 \frac{Q}{|OA|^3}$$

$$E = \frac{9\times10^9 (64.4\times10^{-9})}{(5.38)^3}(-4\hat{a}x + 3\hat{a}y + 2\hat{a}z)$$

$$E = \frac{579.6}{155.72}(-4\hat{a}x + 3\hat{a}y + 2\hat{a}z)$$

$$E = 3.72(-4\hat{a}x + 3\hat{a}y + 2\hat{a}z).$$

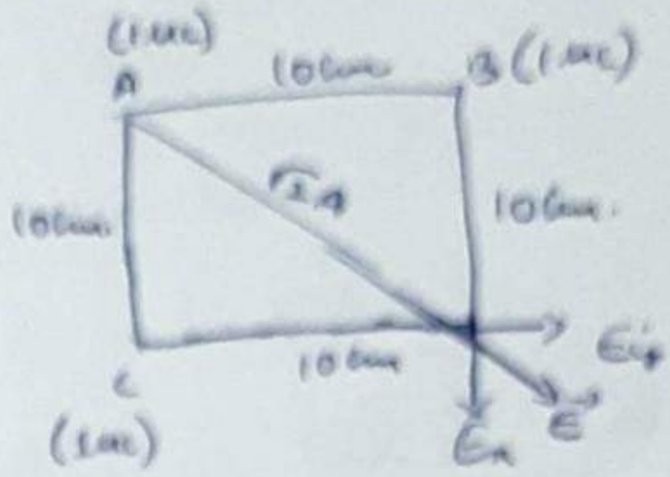
$$E = -14.88\hat{a}x + 11.16a\hat{j} + 7.44\hat{a}z$$

Scanned by TapScanner

three equal point charges of 1μC are located at 3 corners of a square of 10cm side. Find electric field intensity at 4th vacant corner

Soln. $\vec{E}$ to A on D $= \frac{kq}{(\sqrt{2}a)^2} = \frac{kq}{2a}$

$= k(1/20)$



$\vec{E}$ due to B on D $= \frac{kq}{a^2} = \frac{k(10^{-6})}{(10\times10^{-2})^2} = (10^{-1})k.$

$\vec{E}$ due to C on D $= \frac{kq}{a^2} = (10^{-1})k.$

Electric field on 4th corner D

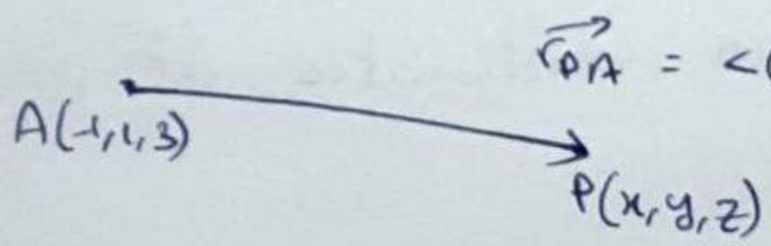
$k(1/20) + k/10 + k/10 = 5k/20 = 1/4\,k = 0.25k.$

$= 0.25 \times 9\times10^9.$

$= 2.25\times10^9$ V/m.

19. A 100nC point charge is located at A(−1,1,3) in free space.
(a) Find the locus of all points P(x,y,z) at which $E_x = 500$ V/m
(b) Find y, if P(−2,y,3) lies on that locus.

Soln → (a)



$\vec{r}_{PA} = \langle(x+1), (y-1), (z-3)\rangle$

$E_P = \frac{1}{4\pi\varepsilon_0} \frac{q_A}{(r_{PA})^3} \vec{r}_{PA}$ ⇒

To find the vector from A(−1,1,3) to arbitrary point P(x,y,z)

$r_{PA} = \langle(x,y,z)\rangle - \langle(-1,1,3)\rangle.$

$= (x+1)a_x + (y-1)a_y + (z-3)a_z.$

$|r_{PA}| = \sqrt{(x+1)^2 + (y-1)^2 + (z-3)^2}$

$E_P = \frac{(100\times10^{-9})}{4\pi\varepsilon_0} \frac{(x+1)a_x + (y-1)a_y + (z-3)a_z}{(\sqrt{(x+1)^2 + (y-1)^2 + (z-3)^2})^3}$

Scanned by TapScanner

$E_P = E_x + E_y + E_z$ $\qquad E_x = 500\ N/C.$

$$E_z = \frac{(100\times10^{-9})}{4\pi\epsilon_0}\ \frac{(x+1)}{(x+1)^2+(y-1)^2+(z-3)^2\ 3/5} = 500\ N/C.$$

∴ The cartesian condition of locus of an arbitrary point $P(x,y,z)$ will be $(x+1) = 0.556\left((x+1)^2+(y-1)^2+(z-3)^2\right)^{3/2}$

(b) To find y_1 if $P(-2,y,3)$ lies on that locus condition.

$$(-2+1) = 0.556\left((-2+1)^2+(y_1-1)^2+(3-3)^2\right)^{3/2}$$

$$\left(\frac{-1}{0.556}\right)^{1.5} = 1+(y_1-1)^2$$

$$1.4789 = 1+(y_1-1)^2.$$

$$(y_1-1)^2 = 0.4789.$$

$$y_1 = \pm\sqrt{0.4789}+1.$$

$\boxed{y_1 = 1.692}$ or $\boxed{y_1 = 0.307}$

Problems on Electric flux Density, Gauss's law and Divergence.

21. Calculate D in rectangular coordinates at point $P(2,-3,6)$ produced by.

Soln → (a) a point charge $Q_A = 55\ mC$ at $Q(-2,3,-6)$.

$$D = \epsilon_0 E = \frac{Q}{4\pi R^3}\vec{R}.$$

$$R_{QP} = [(2+2)\hat{a}x + (-3-3)\hat{a}y + (6+6)\hat{a}z].$$

$$R_{QP} = 4\hat{a}x - 6\hat{a}y + 12\hat{a}z.$$

$$|R_{QP}| = \sqrt{16+36+144}$$

$$|R_{QP}| = 14.$$

Scanned by TapScanner

...late the total electric flux leaving the cubical surface formed by x planes x, y, z = 15 if the charge distribution is.

(a) two point charges 0.1m μc at (0.1, 0, -2, 3) and 1/7m/μC at (-1, 2, -2)



soln $\psi = Q_1 + Q_2$

$= 0.1\mu C + Y_3 \mu C$

$= 0.24 \mu c$.

(b) Uniform line charge of $\pi m\ \mu C/m$ at $x = -2, y = 3$.

soln → Taking elemental length dl and charge

$dq = \pi \mu C/m \times dl$.

Total charge enclosed in cubic is here as total length of line charge enclosed.

$\Psi = 10\pi \times 10^{-6} =$ 31.4 μc.

(c) a uniform surface charge of $0.1m\ \mu C/m^2$ on the plane $y = 3x$.

soln: $y = 3x$, $x = 5/3$.

$y = 3(5/x)$.

$y = 5$.

$\sqrt{5^2 + (5/3)^2} = 5.27$.



$\therefore 5.27 + 5.27 = 10.54$.

$10 \times 10.54 = 105.4$.

$\Psi = \rho_s S = 0.1 \times 10^{-6} \times 105.4$

$= 10.54 \mu C$.

Scanned by TapScanner

$$\therefore \quad D_{aP} = \frac{55\times10^{-3}}{4\pi(14)^2}\left(4\hat{a}x - 6\hat{a}y + 12\hat{a}z\right)$$

$$D_{aP} = \frac{55\times10^{-3}}{3464.64}\left(4\hat{a}x - 6\hat{a}y + 12\hat{a}z\right).$$

$$D_{aP} = 1.59\times10^{-6}\left(4\hat{a}x - 6\hat{a}y + 12\hat{a}z\right).$$

$$D_{aP} = (6.36\hat{a}x - 9.57\hat{a}y + 19.14\hat{a}z)\ \mu C/m^2.$$

(b) a uniform line charge $\rho_L = 26\ mC/m$ on x-axis.

$$D = \epsilon_0 E = \frac{\rho_L}{2\pi R} aR = \frac{\rho_L}{2\pi R^2}\vec{R}.$$

$$\vec{R_x} = -3\hat{a}y + 6\hat{a}z.$$

$$|R_x| = \sqrt{9+36} = 6.7.$$

$$D_x = \frac{26\times10^{-3}}{2(3.14)(6.7)^2}(3\hat{a}y + 6\hat{a}z)$$

$$D_x = 0.21\hat{a}y + 0.4\hat{a}z\ mC/m^2.$$

(c) a uniform surface charge density $\rho_s = 120\ \mu C/m^2$ on the plane $z = 5m$

$$D = \epsilon_0 E$$

$$= \frac{\rho_L}{2} aR = \frac{(120\times10^{-6})}{2} a_z = 60\hat{a}z\ \mu C/m^2.$$

Incomplete

K. R. Manasa

Scanned by TapScanner

JENNIFER KUMAR
3RD SEM 'A' SECTION
ENG18EC0043
14/11/2019

1 a Electric field intensity is the measure of intensity or strength of electrical force per unit charge at any given point in the electric field. It is denoted by E and its unit is Newton per Colomb N/C

$$E_t = \frac{Q_1 Q_t}{4\pi\epsilon_0 R_{1t}^2} a_{1t}.$$

~~Electric flux density intensity density is defined as the scalar product of~~

Electric flux density is the amount of flux passing through a defined area that is perpendicular to the direction of the flux

The relation between them is as follows

$$D = \epsilon E$$

D is the electric flux density
E is the electric field intensity

b Statement - Colomb's law states that "The force of attraction or repulsion between two point charges Q_1 and Q_2 is,

a) Along the line joining them
b) Directly proportional to the product of charges Q_1 and Q_2.
c) Inversely proportional to the square of the distance between 2 point charges
d) Depends on the medium in which they are located.

Scanned by CamScanner

$F \propto Q_1 Q_2$

$F \propto \frac{1}{R^2}$



$F = K \frac{Q_1 Q_2}{R^2}$ where K - proportionality constant

ϵ - absolute permittivity of the medium.

$K = \frac{1}{4\pi\epsilon}$

$F = \frac{1}{4\pi\epsilon} \frac{Q_1 Q_2}{4\pi\epsilon R^2}$ $\epsilon = \epsilon_0 \epsilon_r$ where

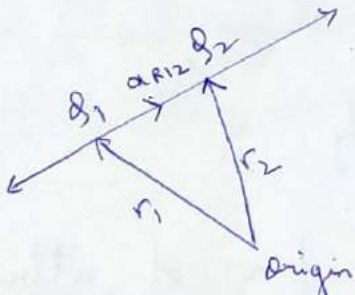
$\epsilon_0 = 8.854 \times 10^{-12}$ F/m

$\epsilon_r = 1$ for air or vacuum.

$$F = \frac{Q_1 Q_2}{4\pi\epsilon_0 R^2} \text{ N} \quad \text{— (i)}$$

$$= 9 \times 10^9 \frac{Q_1 Q_2}{R^2} \text{ N}$$

Vector form of coloumb's law



In order to write the vector form of eqn (1) we need the additional fact the force acts along the line joining the 2 charges and is repulsive if the charges are alike in sign and attractive if they are of opposite sign.

The vector form of Coloumb's law is,

$$F_{12} = \frac{Q_1 Q_2}{4\pi\epsilon_0 |R_{12}|^2} a_{R12}$$

Scanned by CamScanner

where a_{R12} - a unit vector in the direction of R_{12} as

$$a_{R12} = \frac{\vec{R}_{12}}{|R_{12}|} = \frac{r_2 - r_1}{|r_2 - r_1|}$$

$$F_{12} = \frac{Q_1 Q_2}{4\pi\epsilon_0 |R_{12}|^3} \vec{R}_{12}$$

Unit of each term

Q is Colloumbs (C)

R is meters (M)

Force is Newton (N)

c Uniform line charges of $0.4\mu C/m$ and $-0.4\mu C/m$ are located in the $x=0$ plane at $y_2 = -0.6$ and $y_2 = 0.6$ M respectively. Let $\epsilon = \epsilon_0$

E at $P(x, 0, z)$. In general we have

$$E_p = \frac{\rho_l}{2\pi\epsilon_0}\left[\frac{R_{+p}}{|R_{+p}|} - \frac{R_{-p}}{R_{-p}}\right]$$

where R_{+p} and R_{-p} are respectively the vectors directed from the positive and negative line charges to the point P, and they are normal to the z axis. We thus have $R_{+p} = (x, 0, z) - (0, -6, z)$

$= (x, 6, 0)$

$R_{-p} = (x, 0, z) - (0, 6, z) = (x, -6, 0)$ also.

$$E_p = \frac{\rho_L}{2\pi\epsilon_0}\left[\frac{x a_x + 0.6 a_y}{x^2 + (0.6)^2} - \frac{x a_x - 0.6 a_y}{x^2 + (0.6)^2}\right]$$

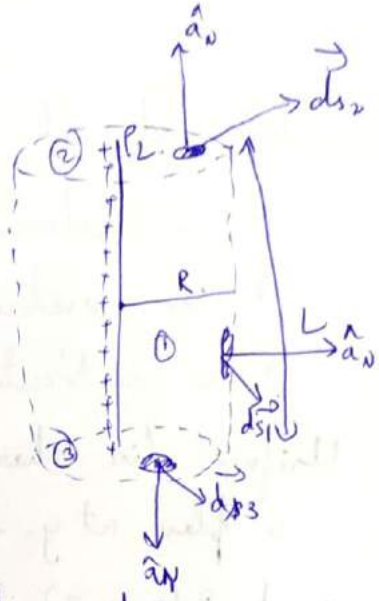
$$= \frac{0.4 \times 10^{-6}}{2\pi\epsilon_0}\left[\frac{1.2 a_y}{x^2 + 0.36}\right]$$

$$= \frac{8.63 a_y}{x^2 + 0.36} \text{ kV/M}$$

Scanned by CamScanner

2a let consider an infinite line charge along the z axis where line charge density is ρ_L. let consider a point P where we need to find the electric field intensity from the point P draw a perpendicular line and let the distance be R. By considering R as the radius, construct an imaginary cylinder

b let consider the length of the imaginary cylinder as L. In first surface lets consider an elementary surface ds_1



$$d\Psi_{side} = \vec{D} \cdot d\vec{s}_1$$
$$= D\hat{a}_R \cdot ds_1 \hat{a}_N$$
$$= D\,ds_1 \cdot \hat{a}_R \cdot \hat{a}_N$$
$$= ds_1 (1) \quad -①$$

let consider an elementary area on the top surface.

$$d\Psi_{top} = \vec{D} \cdot d\vec{s}$$
$$= D\hat{a}_R \, ds_2 \hat{a}_N$$
$$= D ds_2 (\hat{a}_R \cdot \hat{a}_N)$$
$$= 0$$

$$d\Psi_{bottom} = \vec{D} \cdot d\vec{s}$$
$$= D\hat{a}_R \cdot ds_3 \hat{a}_N$$
$$= D ds_3 (\hat{a}_R \cdot \hat{a}_N) = 0.$$

$$d\Psi = d\Psi_{side} + d\Psi_{top} + d\Psi_{bottom}$$

$$d\Psi = D ds_1$$

$$\Psi = \int_S d\Psi = \int_S D ds_1$$

$$\Psi = \int_0^{2\pi} \int_0^L D R \, d\phi \, dz$$

$$\Psi = DR(2\pi)L.$$

$$\Psi = D 2\pi R L$$

$$Q = \Psi = D 2\pi R L = \rho_L L$$

$$\rho_L = \frac{Q}{L}$$

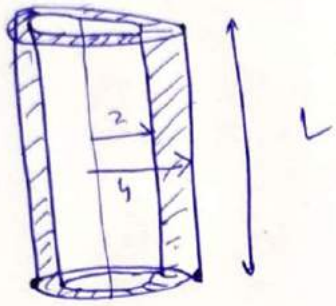
Scanned by CamScanner

$$D = \frac{\rho_L}{2\pi R}$$

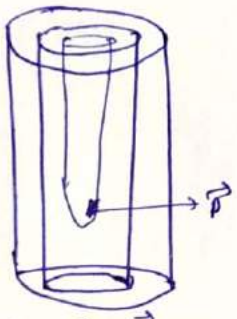
$$E = \frac{D}{\epsilon} = \frac{\rho_L}{2\pi\epsilon R}$$

$$\vec{E} = \frac{\rho_L}{2\pi\epsilon R}\hat{a}_R$$

b



$\rho = 2m$



$$d\Psi = \vec{D}\cdot d\vec{s}$$

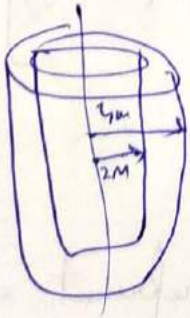
$$= D\hat{a}_\rho \cdot ds\,\hat{a}_N$$

$$d\Psi = D\,ds$$

$$\Psi = \int_S \rho\,ds = D\cdot 2\pi\rho L$$

$$\Psi = \rho = 0$$

b $2 \le \rho \le 4m$



Scanned by CamScanner

$$d\psi = \vec{D} \cdot d\vec{s}$$

$$\psi = D(2\pi\rho L) \cdot \rho 2\pi L$$

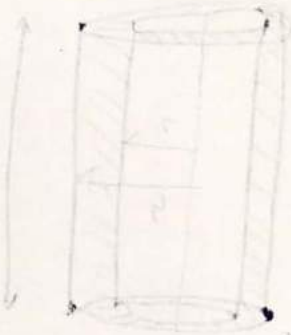
$$\psi = q' = \int_v \rho_v \, dv = \int_2^{\rho} \int_0^{2\pi} \int_0^{L} \rho_v \rho \, d\rho \, d\phi \, dz$$

$$= 2\pi L \rho_v \left[\frac{\rho^2}{2}\right]_2^{\rho}$$

$$= \pi L \rho_v \left[\rho^2 - 4\right]^2$$

$$D = \frac{\psi}{2\pi\rho L} = \frac{\pi L \rho_v \left[\rho^2 - 4\right]}{2\pi\rho L}$$

$$= \frac{\rho_v \left[\rho^2 - 4\right]}{2\rho} \; c/m^2$$





Scanned by CamScanner

3a Let consider an elemental charge ΔQ in an elemental volume ΔV, then we can calculate the total charge by guass law with the expression

$$\oint_S \vec{D} \cdot \vec{ds} = Q_{enclosed}$$

$$\frac{\oint_S \vec{D} \cdot \vec{ds}}{\Delta V} = \frac{\Delta Q}{\Delta V}$$

$$\lim_{\Delta V \to 0} \frac{\oint_S \vec{D} \cdot \vec{ds}}{\Delta V} = \lim_{\Delta V \to 0} \frac{\Delta Q}{\Delta V}$$

$$\lim_{\Delta V \to 0} \frac{\oint_S \vec{D} \cdot \vec{ds}}{\Delta V} = \frac{dq}{dv}$$

But $$\lim_{\Delta V \to 0} \frac{\oint_S \vec{D} \cdot \vec{ds}}{\Delta V} = \nabla \cdot \vec{D}$$

and $\frac{dq}{dv} = \rho_v$

$$\boxed{\nabla \cdot \vec{D} = \rho_v}$$ also known as Maxwell's differential eqn

b let consider a closed surface and imagine there is a flow of charge throughout this surface. Let consider a small area ds on the surface. The amount of charge flowing through the surface dq.

$$dI = \vec{J} \cdot \vec{ds}$$

$$\frac{dq}{dt} = \vec{J} \cdot \vec{ds}$$

$$dI = \frac{dq}{dt} = \vec{J} \cdot \vec{ds}$$

$$\frac{dq}{dt} = I = \oint_S \vec{J} \cdot \vec{ds}$$

Scanned by CamScanner

from the gauss divergence theorem

$$Q = \oint \vec{J} \cdot d\vec{s} = \int_V \nabla \cdot \vec{J} \, dv$$

$$Q = \int_V \rho_v \, dv$$

$$I = \frac{dq}{dt} = \frac{d}{dt} \int_V \rho_v \, dv$$

$$= \int_V \frac{\partial \rho_v}{\partial t} \, dt$$

$$\boxed{\nabla \cdot \vec{J} = -\frac{\partial \rho_v}{\partial t}}$$

-ve sign indicates the reduction of flow of charges through out the surface.

c Volume charge density is located as follows $\rho_v = 0$ for $\rho < 1$ mm and for $\rho < 2$mm $\rho_v = 4\rho \ \mu C/m^3$ for $1 < \rho < 2$mm

To calculate the total charge in the region

$0 < \rho < \rho_1 \quad 0 < z < L$ where $1 < \rho_1 < 2$mm we find:

$$Q = \int_0^L \int_0^{2\pi} \int_{0.01}^{\rho_1} 4\rho \, \rho \, d\rho \, d\phi \, dz$$

$$= \int_0^L \int_0^{2\pi} \frac{4\rho^3}{3} \Big|_{0.01}^{\rho_1} d\phi \, dz$$

$$= \int_0^L \int_0^{2\pi} \frac{4\rho_1^3}{3} - 3.33 \times 10^{-7} \, d\phi \, dz$$

$$= \int_0^L \int_0^{2\pi} \frac{4\rho_1^3}{3} - 1.33 \times 10^{-6} \, d\phi \, dz =$$

Scanned by CamScanner

$$\int_0^L \left(\frac{4\rho^3}{3} - 1.33\times10^{-4}\right)\phi\Big|_0^{2\pi} dz$$

$$\int_0^L 0.\frac{3294}{3}\times10^{-3}\, dz$$

$$\frac{0.3294\times10^{-3}}{3}z\Big|_0^L$$

$$\frac{0.3294\times10^{-3}}{3}L - 0$$

$$\Rightarrow \frac{8\pi L}{3}\left[\rho_1^3 - 10^{-9}\right]\mu C$$

4a Gauss divergence theorem states that an integral of the normal component of the flux density over any closed surface in an electric field is equal to the volume integral of the divergence of the flux throughout the space enclosed by the surface.

Mathematically it is represented as

$$\oint_S \vec{D}\cdot d\vec{s} = \int_V \nabla D\, dv.$$

b let consider a point P_1 in an electric field w.r.t point P_1 the work done is 0. Bring a charge Q_1 to point P_1. let us consider point P_2 in the field. The potential at P_2 is

$$V_2 = \frac{Q_1}{4\pi\epsilon R_{12}}$$

Now let us bring a charge Q_2 to the point P_2.

$W_{12} = 0$ $\quad V_{12} = 0$

$$W_2 = \frac{Q_1 Q_2}{4\pi\epsilon R_{12}} \qquad V_2 = \frac{Q_1}{4\pi\epsilon R_{12}}$$

Scanned by CamScanner

Now let us consider point P_3, the potential at point P_3 is

$$V_3 = \frac{Q_1}{4\pi\epsilon R_{13}} + \frac{Q_2}{4\pi\epsilon R_{23}}$$

Bring a charge Q_3 to point P_3

$$W_3 = \frac{Q_1 Q_3}{4\pi\epsilon R_{13}} + \frac{Q_2 Q_3}{4\pi\epsilon R_{23}}$$

The total work done $W_{1to3} = W_1 + W_2 + W_3$

$$= \frac{Q_1 Q_2}{4\pi\epsilon R_{12}} + \frac{Q_{13}}{4\pi\epsilon R_{13}} + \frac{Q_{23}}{4\pi\epsilon R_{23}}$$

As a system :

$$= \frac{Q_1 Q_2}{4\pi\epsilon R_{12}} + \frac{Q_1 Q_3}{4\pi\epsilon R_{13}} + \frac{Q_2 Q_3}{4\pi\epsilon R_{23}} + \frac{Q_2 Q_1}{4\pi\epsilon R_{21}} + \frac{Q_3 Q_1}{4\pi\epsilon R_{31}} + \frac{Q_3 Q_2}{4\pi\epsilon R_{32}}$$

$$= \sum_{i=1}^{3} Q_i \sum_{\substack{i=1 \\ j=1 \\ j\neq i}}^{3} \frac{Q_j}{4\pi\epsilon R_{ij}}$$

In general

$$W_{1toN} = \frac{1}{2} \sum_{i=1}^{N} Q_i \sum_{\substack{j=1 \\ i\neq j}}^{N} \frac{Q_j}{4\pi\epsilon R_{ij}}$$

$$= \frac{1}{2} \sum_{i=1}^{N} Q_i V_i$$

$$= \frac{1}{2} QV$$

In a predefined volume

$$Q = \int_V \rho_v \, dv$$

$$W_{1toN} = \frac{1}{2} \int_V \rho_v V \, dv$$

$$\rho_v = \nabla \cdot \vec{D}$$

$$W = \frac{1}{2} \int_V \nabla \cdot \vec{D} \, V \, dv$$

$$= \frac{1}{2} \int_V (\nabla \cdot \vec{D}) V \, dv + \int_V \vec{D} \cdot \vec{E} \, dv$$

Scanned by CamScanner

4. $V = \frac{\cos 2\phi}{r}$

$\vec{E} = -\nabla V$

$= -\left(\frac{\partial}{\partial \rho}\frac{\cos 2\phi}{r} + \frac{\partial}{\partial \phi}\frac{\cos 2\phi}{r} + \frac{\partial}{\partial z}\frac{\cos 2\phi}{r}\right)$

$= 0 - \frac{\cos 2\phi}{r^2} + \frac{r(-\sin 2\phi)}{r^2} + 0$

$= -\frac{r\sin 2\phi - r\sin 2\phi}{r^2} = \vec{E}$

Scanned by CamScanner

$$= \frac{1}{2}\left[\oint \vec{V}\vec{D}\cdot d\vec{s} + \int_v \vec{D}\vec{E}\, dv\right]$$

$$W = \frac{1}{2}\int_v \vec{D}\vec{E}\, dv \qquad \vec{E} = \frac{-2r\sin 2\phi}{r^2}$$

$$= \frac{1}{2}\int \varepsilon E^2 dv \qquad = \frac{2\sin 2\phi}{r}$$

$$= \frac{1}{2}\int \varepsilon E^2 dv \qquad = \sin 2\phi = \frac{\sqrt{3}}{2}$$

Scanned by CamScanner

5a

$\nabla \cdot \vec{D} = \rho_v$

$\vec{D} = \epsilon \vec{E}$

$\nabla \cdot \epsilon \vec{E} = \rho_v$

$\nabla E = \frac{\rho_v}{\epsilon}$

$\vec{E} = -\nabla V$

$\nabla(-V) = \frac{\rho_v}{\epsilon}$

$\boxed{\nabla \cdot \nabla V = -\frac{\rho_v}{\epsilon}}$ Poisson's eqn

$\nabla \cdot \nabla V = \left(\frac{\partial}{\partial x}\hat{a}_x + \frac{\partial}{\partial y}\hat{a}_y + \frac{\partial}{\partial z}\hat{a}_z\right) \cdot \left(\frac{\partial V}{\partial x}\hat{a}_x + \frac{\partial V}{\partial y}\hat{a}_y + \frac{\partial V}{\partial z}\hat{a}_z\right)$

$= \frac{\partial}{\partial x}\left(\frac{\partial V}{\partial x}\right) + \frac{\partial}{\partial y}\left(\frac{\partial V}{\partial y}\right) + \frac{\partial}{\partial z}\left(\frac{\partial V}{\partial z}\right)$

$= \frac{\partial^2 V}{\partial x^2} + \frac{\partial^2 V}{\partial y^2} + \frac{\partial^2 V}{\partial z^2}$

$= \left(\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} + \frac{\partial^2}{\partial z^2}\right) V$

$= \nabla^2 V$

$\therefore \nabla^2 V = 0$

$\nabla^2 V = 0$

$\nabla^2 V_{(CCS)} = \frac{1}{\rho}\frac{\partial}{\partial \rho}\left(\rho \frac{\partial V}{\partial \rho}\right) + \frac{1}{\rho^2}\frac{\partial^2 V}{\partial \phi^2} + \frac{\partial^2 V}{\partial z^2}$

$\nabla^2 V_{(SCS)} = \frac{1}{r^2}\frac{\partial}{\partial r}\left(r^2 \frac{\partial V}{\partial r}\right) + \frac{1}{r^2 \sin\theta}\left(\sin\theta \frac{\partial V}{\partial \theta}\right) + \frac{1}{r^2 \sin^2\theta}\frac{\partial^2 V}{\partial \phi^2}$

Scanned by CamScanner

5b $\vec{E} = 5\cos z\ \hat{a}_z$ V/M

$$\nabla \times \vec{E} = \begin{vmatrix} \hat{a}_x & \hat{a}_y & \hat{a}_z \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \\ 5\cos z & 5\cos z & 5\cos z \end{vmatrix}$$

$$= \hat{a}_x\left[\frac{\partial}{\partial y} 5\cos z - \frac{\partial}{\partial z} 5\cos z\right] - \hat{a}_y\left[\frac{\partial}{\partial x} 5\cos z - \frac{\partial}{\partial z} 5\cos z\right] + \hat{a}_z\left[\frac{\partial}{\partial x} 5\cos z - \frac{\partial}{\partial y} 5\cos z\right]$$

$$= \hat{a}_x\left[0 - (-5\sin z)\right] - \hat{a}_y\left[0 - (-5\sin z)\right] + \hat{a}_z\left[0 - 0\right]$$

$$= 5\sin z\,\hat{a}_x - 5\sin z\,\hat{a}_y$$

Since $\nabla \times \vec{E} \neq 0$

The following vector doesn't represent a possible electric field.

$V = K_1 q + K_2$

Scanned by CamScanner

c Ampere's circuital law states that the line integral of magnetic field forming a closed loop around the current carrying wire is the plane normal to the current is equal to μ_0 times the current passing through the close loop

$$\oint \vec{B} \cdot d\vec{l} = \mu_0 I_{enclosed}$$

$$\Rightarrow \oint \frac{\vec{B}}{\mu_0} \cdot d\vec{l} = I_{enc}$$

$$\oint \vec{H} \cdot d\vec{l} = I_{enc}$$

6a Using laplace eqn

$$\nabla^2 V = 0$$

$$\frac{\partial^2 V}{\partial \rho^2} + \frac{1}{\rho^2}\frac{\partial^2 V}{\partial \phi^2} + \frac{\partial^2 V}{\partial z^2} = 0$$

$$\frac{1}{\rho^2}\frac{\partial^2 V}{\partial \rho^2} = 0$$

$$\frac{\partial^2 V}{\partial \phi^2} = 0$$

$$\frac{\partial V}{\partial \phi} = K_1$$

$$V = K_1 \phi + K_2$$

Scanned by CamScanner

$V = K_1\phi + K_2$

$\phi = 0^\circ \quad V = 0$

$\phi = \alpha^\circ \quad V = V_0$

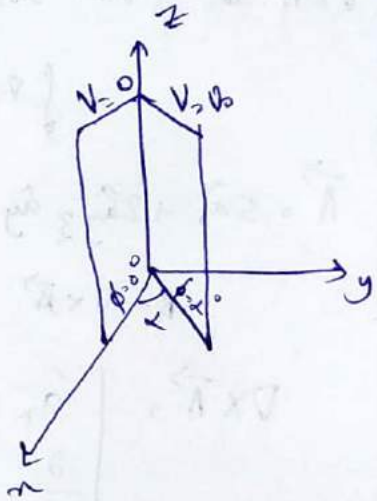
$$\boxed{V = \frac{V_0\,\phi}{\alpha}} \quad V_0 \text{ Volts}$$

$$\vec{E} = -\nabla V$$

$$= -\left[\frac{\partial V}{\partial \rho}\hat{a}_\rho + \frac{1}{\rho}\frac{\partial V}{\partial \phi}\hat{a}_\phi + \frac{\partial V}{\partial z}\hat{a}_z\right]$$

$$= -\frac{1}{\rho}\frac{\partial V}{\partial \phi}\hat{a}_\phi$$

$$= -\frac{1}{\rho}\frac{\partial}{\partial \phi}\left(\frac{V_0\phi}{\alpha}\right)\hat{a}_\phi = -\frac{V_0}{\rho\alpha}\hat{a}_\phi$$



$$\vec{D} = \epsilon\vec{E} = -\frac{\epsilon V_0}{\rho\alpha}\hat{a}_\phi$$

$$|\vec{D}| = \rho_s = \frac{Q}{A}$$

$$\frac{\epsilon V_0}{\rho\alpha} = \frac{Q}{A}$$

$$Q = \frac{\epsilon A V_0}{\rho\alpha}$$

$$C = \frac{Q}{V_0} = \frac{\epsilon A V_0}{\rho\alpha\, V_0} = \frac{\epsilon A}{\rho\alpha} \text{ F}$$

$$\boxed{\frac{C}{A} = \frac{\epsilon}{\rho\alpha} \text{ F/m}^2}$$

b Statement

The stokes theorem states that the line integral of a vector $\vec{H}$ around a closed path l is equal to the integral of the curl $\vec{H}$ over the open surface s enclosed by the closed path l.

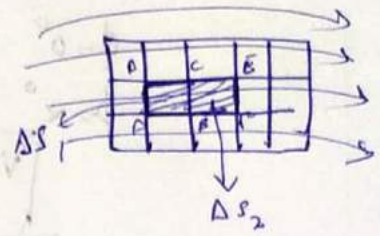
Mathematically it is represented as

$$\oint_l \vec{H}\cdot d\vec{l} = \int_s \nabla\times\vec{H}\cdot d\vec{s}$$

Scanned by CamScanner

let consider the surface

$$\nabla \times \vec{H} = \lim_{\Delta S \to 0} \frac{\oint_L \vec{H} \cdot d\vec{l}}{\Delta S} \cdot \hat{a}_N$$



$$\oint_L \vec{H} \cdot d\vec{l} = \lim_{\Delta S \to 0} [\nabla \times \vec{H}\ \Delta S\ \hat{a}_N] = \nabla \times \vec{H} \cdot d\vec{s}$$

$$\oint_{ABCDA} \vec{H} \cdot d\vec{l} = \nabla \times \vec{H} \cdot d\vec{s}_1 = \int_A^B \vec{H} \cdot d\vec{l} + \int_B^C \vec{H} \cdot d\vec{l} + \int_C^D \vec{H} \cdot d\vec{l} + \int_D^A \vec{H} \cdot d\vec{l}$$

$$\oint_{BEFCB} \vec{H} \cdot d\vec{l} = \nabla \times \vec{H} \cdot d\vec{s}_2 = \int_B^E \vec{H} \cdot d\vec{l} + \int_E^F \vec{H} \cdot d\vec{l} + \int_F^C \vec{H} \cdot d\vec{l} + \int_C^B \vec{H} \cdot d\vec{l}$$

$$\nabla \times \vec{H} \cdot d\vec{s}_1 + \nabla \times \vec{H} \cdot d\vec{s}_2 = \int_A^B \vec{H} \cdot d\vec{l} + \int_B^E \vec{H} \cdot d\vec{l} + \int_E^F \vec{H} \cdot d\vec{l} + \int_F^C \vec{H} \cdot d\vec{l} + \int_C^D \vec{H} \cdot d\vec{l}$$

$$\int_S \nabla \times \vec{H} \cdot ds = \oint_L \vec{H} \cdot d\vec{l}$$

c $\vec{A} = 5\hat{a}_x + 2\hat{a}_{y_3}\hat{a}_y + (-x^2)\hat{a}_3$

$B = \nabla \times \vec{A}$

$$\nabla \times \vec{A} = \begin{vmatrix} \hat{a}_x & \hat{a}_y & \hat{a}_3 \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial 3} \\ 5 & 2y_3 & -x^2 \end{vmatrix}$$

$$= \hat{a}_x\left[\frac{\partial -x^2}{\partial y} - \frac{\partial 2y_3}{\partial 3}\right] - \hat{a}_y\left[\frac{\partial(-x^2)}{\partial x} - \frac{\partial 5}{\partial 3}\right] + \hat{a}_3\left[\frac{\partial(-x^2)}{\partial x} - \frac{\partial 5}{\partial y}\right]$$

$$= \hat{a}_x[0 - 2y] - \hat{a}_y[-2x - 0] + \hat{a}_3[-2x - 0]$$

$$= -2y\hat{a}_x + 2x\hat{a}_y - 2x\hat{a}_3$$

$$\vec{B} = -2y\hat{a}_x + 2x\hat{a}_y - 2x\hat{a}_3 .$$

Scanned by CamScanner

7a b

$V = 3\times10^6$ m/s

average velocity $= 0.6\hat{a}_x + 0.75\hat{a}_y + 0.3\hat{a}_z$

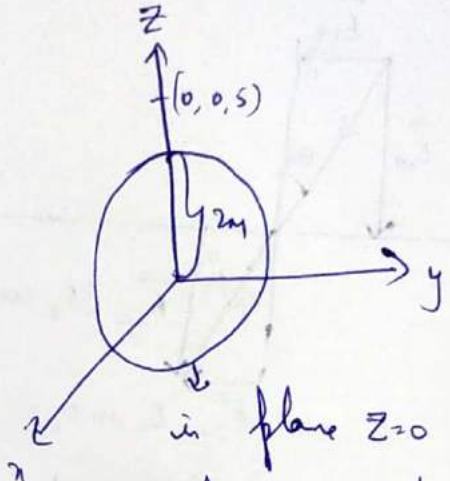
$$Q = \int_v \rho_v dv$$

$$V = \frac{Q}{4\pi\epsilon R}$$

$$V = \int_v \frac{\rho_v dv}{4\pi\epsilon R}$$

$$V = \frac{Q}{4\pi\epsilon_0\sqrt{a^2+z^2}}$$

$$= \frac{40\,(3\times10^{-9}\times9\times10^9)}{\sqrt{(2\times10^{-2})^2+(5\times10^{-2})^2}} = 5\times10^6 \text{ m/s}$$



in plane $z=0$ To find V along axis of the ring i.e z-axis

$$\vec{V} = V.\bar{a}_v = 5\times10^6(0.6\hat{a}_x + 0.75\hat{a}_y + 0.3\hat{a}_z)$$

$$= 3\times10^6\hat{a}_x + 3.75\times10^6\hat{a}_y + 1.5\times10^6\hat{a}_z$$

(i) $\vec{E} = -3\hat{a}_x + 4\hat{a}_y + 6\hat{a}_z$ kV/m

w.k.t $\vec{B} = -3\hat{a}_z + 4\hat{a}_y + 6\hat{a}_z \times10^{-3}$

(ii) $\vec{F} = q(\vec{v}\times\vec{B}) = 19\times10^{-9}(\vec{V}\times\vec{B}) = \begin{vmatrix} \hat{a}_x & \hat{a}_y & \hat{a}_z \\ 3m & 3.75 & 1.5m \\ -3m & 4m & 6m \end{vmatrix} = \hat{a}_x(16.5) - \hat{a}_y(13.5) + \hat{a}_z(0.75)$

(iii) $\vec{B}+\vec{E} = 16.5\hat{a}_x - \hat{a}_y 13.5 + 0.75\hat{a}_z$.

c Magnetic and electric fields are often visualised as vector lines since they obey equations similar to those that describe the flow of a fluid. The field magnitude determines the density

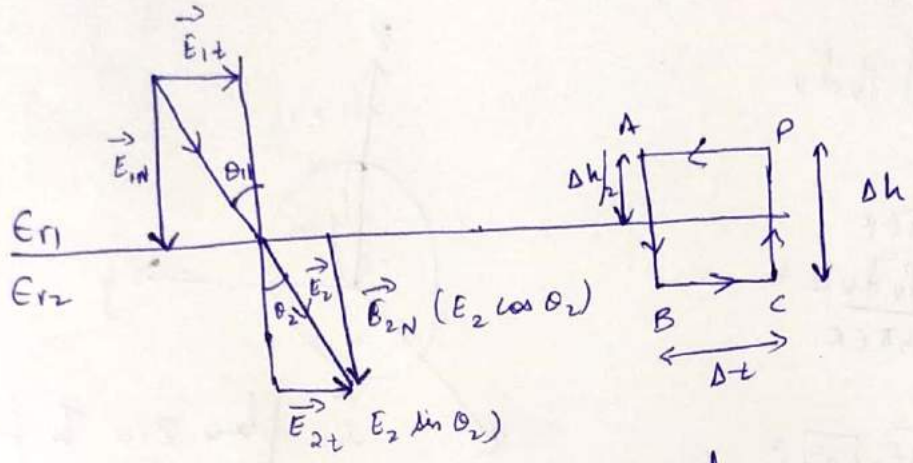
The force acting on a current element I_2dl_2 by a current element I_1dl_1 is given by

$$d[dF_{12}] = \frac{\mu_0}{4\pi}\frac{I_2dl_2 \times (I_1dl_1 \times \hat{a}_{R12})}{R_{12}^2}$$

permeability of free space is $\mu_0 = 4\pi\times10^{-7}$ F/m

Scanned by CamScanner

8 a let us consider the boundary b/w 2 dielectrics



let us consider the electric field from maxwell's second eqn

$$\oint_L \vec{E}\cdot d\vec{l}$$

$$\int_A^B \vec{E}\cdot d\vec{l} + \int_B^C \vec{E}\cdot d\vec{l} + \int_C^D \vec{E}\cdot d\vec{l} + \int_D^A \vec{E}\cdot d\vec{l} = 0$$

$$\left[E_{1N}\frac{\Delta h}{2} + E_{2N}\frac{\Delta h}{2}\right] + E_{2t}\Delta t + \left[-E_{2N}\frac{\Delta h}{2} - E_{1N}\frac{\Delta h}{2}\right] - E_{1t}\Delta t = 0$$

$$\left[E_{2t} - E_{1t}\right]\Delta t = 0$$

$\Delta t \neq 0$ $\qquad E_{2t} - E_{1t} = 0$

$$\boxed{E_{2t} = E_{1t}}$$

$$E_1 \sin\theta_1 = E_2 \sin\theta_2$$

$$D = \epsilon E$$

$$\vec{E} = \frac{\vec{D}}{\epsilon}$$

$$\frac{D_1}{\epsilon_1}\sin\theta_1 = \frac{D_2}{\epsilon_2}\sin\theta_2$$

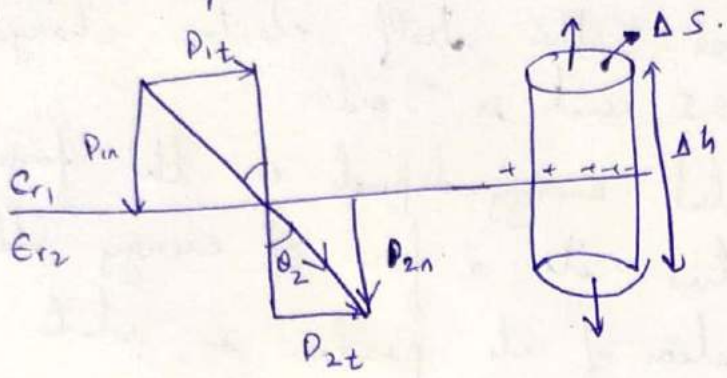
$$\frac{D_1}{\epsilon_0\epsilon_{r1}}\sin\theta_1 = \frac{D_2}{\epsilon_0\epsilon_{r2}}\sin\theta_2$$

$$\boxed{\frac{D_1}{\epsilon_{r1}}\sin\theta_1 = \frac{D_2}{\epsilon_{r2}}\sin\theta_2}$$

$$\boxed{\frac{D_{1t}}{\epsilon_{r1}} = \frac{D_{2t}}{\epsilon_{r2}}}$$

Scanned by CamScanner

normal component



from maxwell's eqn

$$\oint \vec{D} \cdot d\vec{s} = Q_{enclosed}$$

$$\int_{circular} \vec{D} \cdot d\vec{s} + \int_{top} \vec{D} \cdot d\vec{s} + \int_{bottom} \vec{D} \cdot d\vec{s} = Q_{enclosed}$$

$$-D_{1N} \Delta S + D_{2N} \Delta S = \rho_s \Delta S$$

$\div$ by ΔS

$$\boxed{D_{2N} - D_{1N} = \rho_s}$$

$$\epsilon_2 E_{2N} - \epsilon_1 E_{1N} = \rho_s$$

$\rho_s \to 0$

$$D_{2n} - D_{1n} = 0$$

$$D_{2n} = D_{1n}$$

$$\epsilon_2 E_{2n} = \epsilon_1 E_{1N}$$

$$\boxed{\epsilon_{r2} E_{2N} = \epsilon_{r1} E_{1N}}$$

$$E_{1t} = E_{2t}$$

$$E_1 \sin\theta_1 = E_2 \sin\theta_2 \quad -(1)$$

$$D_{1n} = D_{2n}$$

$$D_1 \cos\theta_1 = D_2 \cos\theta_2$$

$$\epsilon_1 E_1 \cos\theta_1 = \epsilon_2 E_2 \cos\theta_2 \quad -(2)$$

$\frac{(1)}{(2)}$

$$\frac{E_1 \sin\theta_1}{\epsilon_1 E_1 \cos\theta_1} = \frac{E_2 \sin\theta_2}{\epsilon_2 E_2 \cos\theta_2}$$

$$\boxed{\frac{\tan\theta_1}{\epsilon_1} = \frac{\tan\theta_2}{\epsilon_2}}$$

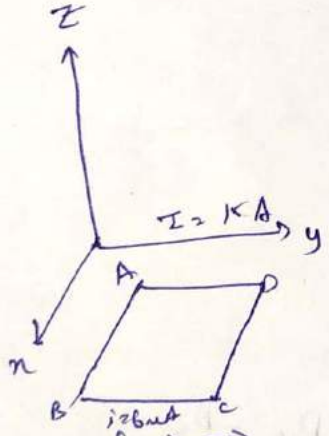
Scanned by CamScanner

$\Delta + [0.1y^3]^0 \quad | \quad | \quad + n + 0.1y^3 |$

b The energy possessed by a body by virtue of its position relative to other, stresses within itself, electric charge and other factors. The SI unit is Joules
The formula for potential energy depends on the force acting on the 2 objects. It's a form of energy that results from the alteration of its position in state.

The force of attraction field of magnets are due to microscopic currents of electrically charged electrons orbiting nuclei and the intrinsic magnetism of fundamental particles that make up the material. The most elementary force between magnets therefore, is the magnetic dipole-dipole interaction.

c



$$I_{enc} = \oint_{P_2} \vec{H} \cdot d\vec{l}$$

$$= \int_{P_1} \vec{H} \cdot d\vec{l} + \int_{P_2}^{P_3} \vec{H} \cdot d\vec{l} + \int_{P_3}^{P_4} \vec{H} \cdot d\vec{l} + \int_{P_4}^{P_1} \vec{H} \cdot d\vec{l}$$

$$= \int_4^6 (0.1y^3 \hat{a}_x + 0.4x \hat{a}_z)\, dy\, \hat{a}_y + \int_5^0 (0.1y^3 \hat{a}_x + 0.4x \hat{a}_z)\, dx\, \hat{a}_x$$

$$+ \int_6^4 -(0.1y^3 \hat{a}_x + 0.4x \hat{a}_z)\, dy\, \hat{a}_y + \int_0^5 (0.1y^3 \hat{a}_x + 0.4x \hat{a}_z)\, dx\, \hat{a}_x$$

Scanned by CamScanner

b $$0 + \left[0.1\frac{y^4}{4} \right]_{x=5}^{0} \Big|_{\substack{y=6 \\ z=1}} + 0 + \left[0.1\frac{y^4}{5} \right]_{x=0}^{5} \Big|_{\substack{y=4 \\ z=1}}$$

$$0.1 \times 5^4 + 0.1\left(\frac{4^4}{4}\right)$$

$$-32.4 + 6.4$$

$$-26\ A$$

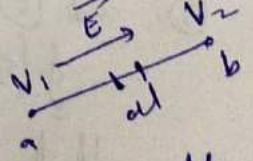
Current density $J = \frac{I}{A}$

But $A = \int_{x=0}^{5} \int_{y=4}^{6} dx\,dy$

$= x]_0^5\ y]_4^6 = (5-0)(6-4) = 5 \times 2 = 10\ m^2$

$$J = \frac{-26}{10} = -2.6\ A/m^2$$

9 a Consider a conductor whose 2 ends a and b are at potentials V_1 and V_2 let V_1 be greater than V_2. Because of the potential difference and electric field $\vec{E}$ will be felt throughout the conductor acting from a to b and also a charge flow occurs from a to b.



The work done dw in driving a unit charge over a distance dl in the field $\vec{E}$ in the direction a to b $\vec{E} \cdot \vec{dl}$. ∴ the total work done in driving a unit positive charge from a to b.

$$= \int_a^b \vec{E} \cdot \vec{dl}$$

Since work done is equal to the potential difference

$$V_1 - V_2 = \int_a^b \vec{E} \cdot \vec{dl}$$

Scanned by CamScanner

Now consider a conductor connected a cross a battery emf e.

In this case, emf is given by

$$e = \int_a^b \vec{E} \cdot d\vec{l}$$

$$e = \oint_L \vec{E} \cdot d\vec{l} \quad V \longrightarrow (1)$$

Assuming single turn ckt. i.e $N=1$. the faraday's law can be stated as

$$e = -\frac{d\phi}{dt} \quad V \quad -(2)$$

we have $\phi = \int_S \vec{B} \cdot d\vec{s}$ — (3)

from 2 and 3

$$e = -\frac{d}{dt} \int_B \vec{B} \cdot d\vec{s} \quad -(4)$$

from (1) and (4) we get $\oint_L \vec{E} \cdot d\vec{l} = -\frac{d}{dt} \int_S \vec{B} \cdot d\vec{s}$

Converting ordinary derivative into partial derivative

$$\oint_L \vec{E} \cdot d\vec{l} = -\int_S \frac{\partial \vec{B}}{\partial t} \cdot ds \quad -(5)$$

This is called as integral form of faraday's law

Applying Stokes theorem to eqn (5)

$$\oint_L \vec{E} \cdot d\vec{l} = \oint_S (\nabla \times \vec{E}) d\vec{s} \quad -(6)$$

from (5) and (6)

$$\oint_S (\nabla \times \vec{E}) \cdot d\vec{s} = -\int \frac{\partial \vec{B}}{\partial t} ds.$$

Assuming that the integrals taken are over identical surfaces

$$\therefore (\nabla \times \vec{E}) ds = -\frac{\partial \vec{B}}{\partial t} \cdot d\vec{s}$$

$$\text{or } \nabla \times \vec{E} = -\frac{\partial \vec{B}}{\partial t}$$

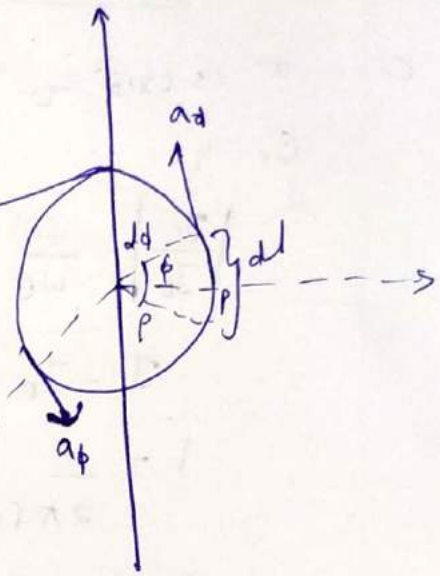
This is the point form of faraday's law

Scanned by CamScanner

b It state that integral of the tangential component of $\vec{H}$ around a closed path is equal to the net current enclosed by that path

$$\oint \vec{H}.\vec{dl} = I_{enl} \quad \text{—①}$$

Proof Consider a long straight conductor $\hat{a}_\phi$ carrying direct current I placed along z axis as shown.



Consider a closed circular path of radius ρ which encloses the straight conductor carrying direct current I. The point P is at a perpendicular distance ρ from the conductor.

Consider a differential element $\vec{dl}$ at point P' which is in $d\phi$ direction tangential to the circular path at point P.

$$\therefore \vec{dl} = \rho d\phi \hat{a}_\phi$$

By biot-savart's law $\vec{H}$ obtained at point P due to infinitely long conductor is

$$\vec{H} = \frac{I}{2\pi\rho}\hat{a}_\phi$$

$$\vec{H}.\vec{dl} = \frac{I}{2\pi\rho}\hat{a}_\phi \cdot \rho d\phi \hat{a}_\phi$$

$$\vec{H}.\vec{dl} = \frac{I}{2\pi} d\phi \quad \text{—①}$$

Integrating ① over the closed path.

$$\oint \vec{H}.\vec{dl} = \frac{I}{2\pi}\oint d\phi = \frac{I}{2\pi}\int_0^{2\pi} d\phi = \frac{I}{2\pi}\phi\Big]_0^{2\pi}$$

Scanned by CamScanner

$$\frac{I}{2\pi} \times 2\pi = I$$

$$\oint \vec{H} \cdot d\vec{l} = I_{enl}$$

c $\sigma = 5.6 \times 10^{-1} \ \mho/m$

$\epsilon_r = 40$

$$\left|\frac{J_c}{J_D}\right| = \frac{\sigma}{\omega\epsilon}$$

$$J_c = J_D$$

$$1 = \frac{\sigma}{2\pi f \epsilon_0 \epsilon_r}$$

$$f = \frac{5.6 \times 10^{-6}}{2\pi \times 1 \times \epsilon_0}$$

$$= 4.44 \times 10^{12} \ Hz$$

Scanned by CamScanner

10a Statement - Poynting theorem states that the energy dissipated in a given volume is a free of any sources is equal to the sum of the rate at which the decrease in the electric and magnetic energies stored in the volume takes place and the rate at which energy is flow occurs through it surface.

Mathematically it is represented as

$$\int_v \vec{E}\cdot\vec{J}\,dv = -\int_v \frac{\partial}{\partial t}\left(\frac{\epsilon E^2}{2} + \frac{\mu H^2}{2}\right)dv - \oint_s \vec{E}\times\vec{H}\,d\vec{s}$$

Proof $\nabla\times\vec{E} = -\mu\frac{\partial\vec{H}}{\partial t}$

$\nabla\times\vec{H} = \vec{J} + \epsilon\frac{\partial\vec{E}}{\partial t}$

$\nabla\cdot(\vec{E}\times\vec{H}) = \vec{H}\cdot\nabla\times\vec{E} - \vec{E}\cdot\nabla\times\vec{H}$

$= \vec{H}\left(-\mu\frac{\partial\vec{H}}{\partial t}\right) - \vec{E}\cdot\left(\vec{J} + \epsilon\frac{\partial\vec{E}}{\partial t}\right)$

$= -\mu\vec{H}\frac{\partial\vec{H}}{\partial t} - \vec{E}\cdot\vec{J} - \epsilon\vec{E}\frac{\partial\vec{E}}{\partial t}$

But $\vec{H}\cdot\frac{\partial\vec{H}}{\partial t} = \frac{1}{2}\frac{\partial H^2}{\partial t}$ | $\vec{E}\frac{\partial\vec{E}}{\partial t} = \frac{1}{2}\frac{\partial\epsilon^2}{\partial t}$

$\nabla\cdot(\vec{E}\times\vec{H}) = -\frac{\mu}{2}\frac{\partial H^2}{\partial t} - \vec{E}\cdot\vec{J} - \frac{\epsilon}{2}\frac{\partial\vec{E}}{\partial t}$

$= -\frac{\partial}{\partial t}\left(\frac{\mu H^2}{2}\right) - \vec{E}\cdot\vec{J} - \frac{\partial}{\partial t}\left(\frac{\epsilon E^2}{2}\right)$

$\nabla\cdot(\vec{E}\times\vec{H}) = -\vec{E}\cdot\vec{J} = -\frac{\partial}{\partial t}\left(\frac{\mu H^2}{2} + \frac{\epsilon E^2}{2}\right)$

Applying volume integral

$$\int_v \nabla\cdot(\vec{E}\times\vec{H}) = -\int_v \vec{E}\cdot\vec{J}\,dv - \int_v \frac{\partial}{\partial t}\left(\frac{\mu H^2}{2} + \frac{\epsilon E^2}{2}\right)dv$$

Converting open volume to closed volume using gauss divergence theorem

$$\text{let } \int_v \nabla\cdot(\vec{E}\times\vec{H})\,dv = \oint_s (\vec{E}\times\vec{H})\,d\vec{s}.$$

Scanned by CamScanner

$$\oint (\vec{E} \times \vec{H}) \cdot d\vec{s} = -\int_v \vec{E} \cdot \vec{J} \, dv - \int_v \frac{\partial}{\partial t}\left(\frac{\epsilon E^2}{2} + \frac{\mu H^2}{2}\right) dv$$

$$\int_v \vec{E} \cdot \vec{J} \, dv = -\int_v \frac{\partial}{\partial t}\left(\frac{\epsilon E^2}{2} + \frac{\mu H^2}{2}\right) dv - \oint_s (\vec{E} \times \vec{H}) \cdot d\vec{s}$$

$$H \cdot \frac{d\vec{H}}{dt} = (H_x \hat{a}_x + H_y \hat{a}_y + H_z \hat{a}_z) \cdot \left[\frac{\partial}{\partial t}(H_x \hat{a}_x + H_y \hat{a}_y + H_z \hat{a}_z)\right]$$

$$= H_x \frac{\partial}{\partial t} H_x + H_y \frac{\partial H_y}{\partial t} + H_z \frac{\partial H_z}{\partial t}$$

$$= \frac{1}{2}\left(2H_x \frac{\partial H_x}{\partial t}\right) + \frac{1}{2}\left(2H_y \frac{\partial H_y}{\partial t}\right) + \frac{1}{2}\left(2H_z \frac{\partial H_z}{\partial t}\right)$$

$$= \frac{1}{2}\left[\frac{\partial}{\partial t} H_x^2 + \frac{\partial}{\partial t} H_y^2 + \frac{\partial}{\partial t} H_z^2\right]$$

$$= \frac{1}{2} \frac{\partial}{\partial t}(H^2)$$

K.L Mavasa

b The skin depth is a measure of the penetration of a plane electromagnetic wave into a material. The magnitude of the field is proportional to $\frac{e^{-x}}{\delta}$ δ = skin depth x - distance into the material from the surface where the wave is incident.

Skin effect is the tendency of an alternating electric current AC to become distributed within a conductor such that the current density is largest near the surface of the conductor and decreases depths in the conductor

c $f = 300\ MHz$ $\sigma = 0$ $\mu_r = 1$ $\epsilon_r = 78$

(i) $\gamma = \sqrt{j\omega\mu(\sigma + j\omega\epsilon)}$. In free space $\sigma = 0$ so that

$\gamma = j\omega\sqrt{\mu_0 \epsilon_0} = j\left(\frac{2\pi f}{c}\right) = j\frac{2\pi \times 300 \times 10^6}{3 \times 10^8} = j(2.0)\ m^{-1}$

(ii) the attenuation factor is $\alpha = 0$

(iii) and phase shift $\beta = 0.0\ rad/m$.

(iv) $\beta \frac{\sigma}{\omega\epsilon} = \frac{0.25 \times 10^{-12}}{2\pi(1.6 \times 10^6)(8)(10^{-9}/36\pi)} \approx 10^{-9} \approx 0$

(v) $\lambda = \frac{2\pi}{\beta} = \frac{\pi}{15}\ M$

Scanned by CamScanner

Scanned by TapScanner

Dayananda Sagar University

School of Engineering

Kudlu Gate, Hosur Main Road,
Bengaluru - 560068

Department of Electronics and Communication Engineering

Remedial class/work report (Academic year 2021-22)

Course- Electromagnetic Field Theory

Course Code-20EC2404

Session-Feb-June 2022

Class-4th B

Faculty-Mrs. Manasa KR, Assistant professor, ECE, SoE, DSU

1. List of students secured less than 15 out of 50 in the internal assessment

Sl.No.	USN	Name	IA (50)	Sl.No.	USN	Name	IA (50)
1	ENG20EC0062	NITHYASHREE S	12	25	ENG20EC0104	SWATI JAMBAGI	AB
2	ENG20EC0068	PRAMATH PRAKASH HEGDE	10	26	ENG20EC0105	T JAYA SOUMYA	5
3	ENG20EC0069	PRITHVIRAJ MULGE	9	27	ENG20EC0106	TARUN G	AB
4	ENG20EC0070	PRIYANSHU SINGH	12	28	ENG20EC0107	TEJAS H R	11
5	ENG20EC0071	PUNITH V	8	29	ENG20EC0108	THIRTHA KUMAR T N	2
6	ENG20EC0073	R VAMSI	15	30	ENG20EC0109	THIRUMALESH K	11
7	ENG20EC0078	ROHAN R	15	31	ENG20EC0110	THUSHAR KUMAR CHADAGA	3
8	ENG20EC0079	ROHIT R PATIL	15	32	ENG20EC0111	TRIBHUVAN M	12
9	ENG20EC0080	ROHITH V	6	33	ENG20EC0112	V MAGESHWARAN	7
10	ENG20EC0082	VIJAY S	1	34	ENG20EC0113	VAISHNAVI N	11
11	ENG20EC0083	SAFA AFZAL KHAN	7	35	ENG20EC0114	VIGHNESH CHANDRAKANT GUNAGA	6
12	ENG20EC0086	SAMRUDHI S	9	36	ENG20EC0115	VIJAY SHANKRAPPA AIHOLE	2
13	ENG20EC0088	SANJEETH B	AB	37	ENG20EC0118	VISHAL ROKKAM	11
14	ENG20EC0090	SHALINI S	13	38	ENG20EC0119	YAKSHITHA M	3
15	ENG20EC0091	SHASHANK R	5	39	ENG20EC0121	YASHAS M NAYAK	3
16	ENG20EC0092	SHASHANK RAMACHANDRA HEGDE	9	40	ENG20EC0122	J LOHITH KUMAR	0
17	ENG20EC0093	SHIVAM SHRIVASTAVA	2	41	ENG21EC1008	ROHIT RAJKUMAR DUGGANI	10
18	ENG20EC0094	SHRADDHA PRABHAKAR	15	42	ENG21EC1009	SANDEEP S	10
19	ENG20EC0096	SHUBHAM KUMAR	12	43	ENG21EC1010	SANJAY D	10
20	ENG20EC0097	SIRIGI REDDY INDU SAI	12	44	ENG21EC1011	SANTOSH	0
21	ENG20EC0098	SOURAV ANAND DAYAPULE	3	45	ENG21EC1012	SATHISH KUMAR K	9
22	ENG20EC0100	SUHAS G L	14	46	ENG21EC1013	SHASHI KUMAR N	8
23	ENG20EC0101	SUHAS SHEKARGOUDA PATIL	6	47	ENG21EC1014	SUMANTH GURURAJ BOMMANAGI	9
24	ENG20EC0102	SUMANTH R	10	48	ENG21EC1015	VINAYAK V WAGH	1

Chairman
Dept. of Electronics and Communication Engineering
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru - 560 068

2. **Took some extra classes are taken and gave some techniques to solve the numericals and tips remembering derivations.**

Sl. No	Date	Timings
01	06-05-2022	1.45PM-3PM
02	10-05-2022	1.45PM-3PM
03	13-05-2022	1.45PM-3PM
04	17-05-2022	1.45PM-3PM
05	27-05-2022	1.45PM-3PM
06	31-05-2022	1.45PM-3PM
07	03-06-2022	1.45PM-3PM

Sl.No.	USN	Name	06/05	10/05	13/05	17/05	27/05	31/05	03/06
1	ENG20EC0062	NITHYASHREE S							
2	ENG20EC0068	PRAMATH PRAKASH HEGDE		AB			AB		
3	ENG20EC0069	PRITHVIRAJ MULGE		AB	AB	AB			
4	ENG20EC0070	PRIYANSHU SINGH					AB	AB	AB
5	ENG20EC0071	PUNITH V			AB	AB			
6	ENG20EC0073	R VAMSI	AB	AB					
7	ENG20EC0078	ROHAN R							
8	ENG20EC0079	ROHIT R PATIL					AB		
9	ENG20EC0080	ROHITH V			AB	AB	AB	AB	AB
10	ENG20EC0082	VIJAY S	AB	AB	AB				
11	ENG20EC0083	SAFA AFZAL KHAN							
12	ENG20EC0086	SAMRUDHI S		AB	AB	AB	AB	AB	AB
13	ENG20EC0088	SANJEETH B	AB	AB	AB	AB	AB	AB	AB
14	ENG20EC0090	SHALINI S							
15	ENG20EC0091	SHASHANK R							
16	ENG20EC0092	SHASHANK RAMACHANDRA HEGDE							
17	ENG20EC0093	SHIVAM SHRIVASTAVA	AB	AB	AB	AB	AB	AB	AB
18	ENG20EC0094	SHRADDHA PRABHAKAR							
19	ENG20EC0096	SHUBHAM KUMAR				AB			
20	ENG20EC0097	SIRIGI REDDY INDU SAI							
21	ENG20EC0098	SOURAV ANAND DAYAPULE		AB	AB	AB	AB		
22	ENG20EC0100	SUHAS G L				AB	AB		
23	ENG20EC0101	SUHAS SHEKARGOUDA PATIL	AB	AB	AB	AB			
24	ENG20EC0102	SUMANTH R				AB	AB		
25	ENG20EC0104	SWATI JAMBAGI	AB	AB	AB	AB	AB	AB	AB
26	ENG20EC0105	T JAYA SOUMYA		AB	AB	AB			
27	ENG20EC0106	TARUN G	AB	AB	AB	AB	AB	AB	AB
28	ENG20EC0107	TEJAS H R	AB				AB		
29	ENG20EC0108	THIRTHA KUMAR T N			AB			AB	
30	ENG20EC0109	THIRUMALESH K		AB					AB
31	ENG20EC0110	THUSHAR KUMAR CHADAGA				AB			
32	ENG20EC0111	TRIBHUVAN M						AB	
33	ENG20EC0112	V MAGESHWARAN		AB					

34	ENG20EC0113	VAISHNAVI N							
35	ENG20EC0114	VIGHNESH CHANDRAKANT GUNAGA				AB		AB	
36	ENG20EC0115	VIJAY SHANKRAPPA AIHOLE	AB	AB					
37	ENG20EC0118	VISHAL ROKKAM							AB
38	ENG20EC0119	YAKSHITHA M			AB		AB		
39	ENG20EC0121	YASHAS M NAYAK		AB					AB
40	ENG20EC0122	J LOHITH KUMAR		AB	AB			AB	
41	ENG21EC1008	ROHIT RAJKUMAR DUGGANI				AB			
42	ENG21EC1009	SANDEEP S		AB					
43	ENG21EC1010	SANJAY D			AB				
44	ENG21EC1011	SANTOSH	AB						
45	ENG21EC1012	SATHISH KUMAR K			AB	AB			
46	ENG21EC1013	SHASHI KUMAR N							
47	ENG21EC1014	SUMANTH GURURAJ BOMMANAGI	AB			AB	AB	AB	AB
48	ENG21EC1015	VINAYAK V WAGH	AB			AB	AB	AB	AB
No. of students Present			36	30	31	28	31	35	36
No. of students Absent			12	18	17	20	17	13	12

3. Gave some numericals as an assignment.

Set 1

1. Two-point charges, $Q_1 = 250\mu C$ and $Q_2 = -300\mu C$ are located at (5, 0, 0) m and (0, 0, -5) m respectively. Find the force on Q_2.
2. Two particles each of mass 'm' and having a charge 'q' coulomb are suspended by a string of length 'l' from a common point. Show that each string makes, with the vertical an angle θ given by $\frac{\sin^2\theta}{1+\cos^2\theta} = \frac{q^2}{16\pi\varepsilon_0 mgl^2}$
3. Two uniform line charges of $\rho_l = 4nC/m$ each are parallel to the z-axis at $x = 0, y = \pm 4m$. Determine the electric field $\vec{E}$ at $(\pm 4, 0, 3)m$.
4. Two infinite sheets of uniform charge density $\rho_s = (10^{-9}/6\pi)C/m^2$ are located at $x = -5m$ and $y = -5m$. Determine the uniform line charge density ρ_l necessary to produce the same value of $\vec{E}$ at (4, 2, 2)m, if the line charge is located at $x = 0, y = 0$.
5. Given a 60uC point charge located at the origin, find the total electric flux passing through
   (a) The portion of the sphere $r = 26$ cm bounded by $0 < \theta < \pi/2$ and $0 < \phi < \pi/2$.
   (b) The closed surface defined by $\rho = 26$ cm and $z = \pm 26$ cm
   (c) The plane $z = 26$ cm
6. In each of the following parts, find a numerical value for $\nabla \cdot \vec{D}$ at the point specified.
   (a) $D = (2xyz - y^2)\,a_x + (x^2z - 2xy)\,a_y + (x^2y)\,a_z\ C/m^2$ at $P_A = (2, 3, -1)$
   (b) $D = (2\rho z^2 \sin^2\phi)\,a_\rho + (\rho z^2 \sin 2\phi)\,a_\phi + (2\rho^2 z \sin^2\phi)\,a_z\ C/m^2$ at $P_B = (2, 110°, -1)$
   (c) $D = (2r\sin\theta\cos\phi)\,a_r + (r\cos\theta\cos\phi)a_\theta - (r\sin\phi)a_\phi\ C/m^2$ at $P_C = (1.5, 30°, 50°)$
7. Given that $D = xyz\,a_x - y^2a_y + yz\,a_z\ C/m^2$, evaluate both sides of the divergence theorem of a cube of 2m on edge, centered at the origin with edges parallel to the axis.
8. Given the flux density $D = \frac{10}{r^2}\cos(2\theta)a_\theta\ C/m^2$, use two different methods to find the total charge within the region $1 < r < 2$ m, $1 < \theta < 2$ rad, $1 < \varphi < 2$ rad.
9. Given that $D = 80\,e^{-\rho}a_\rho - 2z\,a_z\ C/m^2$ in the cylindrical coordinates. Evaluate both sides of the divergence theorem for the volume enclosed by $r = 2, z = 0$ and $z = 5$.
10. Find E at the origin if the following charge distributions are present in free space: point charge, 12 nC, at $P(2, 0, 6)$, uniform line charge density, 3 nC/m, at $x = -2, y = 3$, uniform surface charge density, 0.2 nC/m^2 at $x = 2$

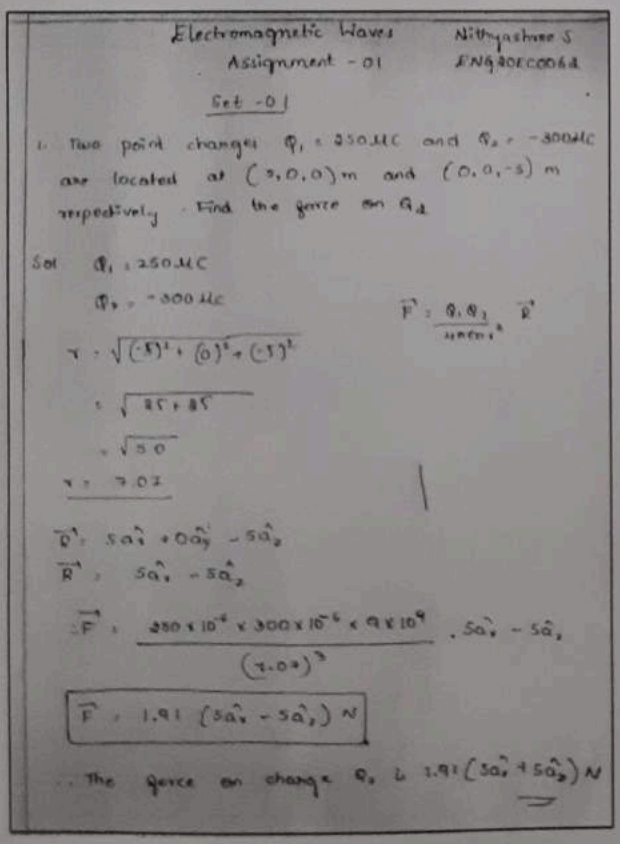
Set 2

1. Two-point charges, $Q_1 = 30\mu C$ and $Q_2 = -100\mu C$ are located at (2, 0, 5) m and (-1, 0, -2) m respectively. Find the force on Q_2.
2. A 100nC point charge is located at A (-1, 1, 3) in free space. (a) Find the locus of all points P (x, y, z) at which Ex=500V/m. (b) Find y1 if P (-2, y1, 3) lies on that locus.
3. A uniform line charge of 16 nC/m is located along the line defined by $y = -2, z = 5$. If $x = x_0$: (a) find $\vec{E}$ at P (1, 2, 3). (b) find E at that point in the $z = 0$ plane where the direction of E is given by $(1/3)\hat{a}y - (2/3)\hat{a}z$.
4. Two uniform charge distributions are as follows: a sheet of uniform charge density $\rho_s = -50nC/m^2$ at $y = 2m$ and a uniform line of $\rho_l = 0.2\mu C/m$ at $z = 2m, y = -1m$. At what points in the region will $\vec{E}$ be zero?
5. Let $\vec{D} = 4xy\,a_x + 2(x^2 + z^2)\,a_y + 4yz\,a_z\ nC/m^2$ and evaluate surface integrals to find the total charge enclosed in the rectangular parallelepiped $0 < x < 2, 0 < y < 3, 0 < z < 5$ m.
6. In each of the following parts, find a numerical value for $\nabla \cdot \vec{D}$ at the point specified.
   (a) $D = (4xy/z)\,a_x + (2x^2/z)\,a_y - (2x^2y/z^2)\,a_z\ C/m^2$ at $P_A = (-1, 2, -3)$
   (b) $D = \rho z \sin\phi\,a_\rho + z\cos\phi\,a_\phi + (\rho\sin\phi/z)a_z\ C/m^2$ at $P_B = (-3, 60°, -2)$
   (c) $D = (\sin\theta\sin\phi)a_r + (\cos\theta\sin\phi)a_\theta + (\cos\phi)a_\phi\ C/m^2$ at $P_C = (1, 30°, 45°)$
7. Given that $D = 4xy^2\,a_x + 3x^2y\,a_y + 15\,a_z\ C/m^2$, evaluate both sides of the divergence theorem for the region bounded by $0 < x, y, z < 2$.
8. Given the flux density $D = 5rz(r^2\theta\cos^2\phi\,a_r\ C/m2$, use two different methods to for the region $r \leq 2$.
9. Given $D = \frac{5\rho^3}{4}a_\rho\ C/m^3$ in cylindrical coordinates, evaluate both sides of the divergence theorem for the volume enclosed by $\rho = 1m, \rho = 2m, z = 0$ and $z = 10m$.
10. Find E at the origin if the following charge distributions are present in free space: point charge, 6 nC, at $P(2, 1, -3)$, uniform line charge density, 1.5nC/m, at $x = 2, z = -3$, uniform surface charge density, 0.6nC/m^2 at $y = -2$

Set 3

1. Three-point charges are positioned in the x-y plane as follows: 5 nC at y = 5 cm, −10 nC at y = −5 cm, and 15 nC at x = −5 cm. Find the required x-y coordinates of a 20-nC fourth charge that will produce a zero electric field at the origin.
2. Find $\vec{E}$ at origin due to a point charge of 64.4nC located at (-4, 3, 2) on in Cartesian coordinates.
3. Two uniform line charges of $\rho_l = 5nC/m$ each are parallel to the x axis, one at $z = 0, y = -2m$ and the other at $z = 0, y = 4m$. Find $\vec{E}$ at (4, 1, 3) m.
4. A uniform sheet of charge with $\rho_s = (-1/3\pi)\ nC/m^2$ is located at z=5m and a uniform line of charge with $\rho_l = (-25/9)nC/m$ is located at $z = -3m, y = 3m$. Find the electric $\vec{E}$ at (0, -1, 0) m.
5. Given that $\vec{D} = 5x^2\, a_x + 10z\, a_z\ C/m^2$, find the net outward flux crossing the surface of cube 2m on an edge centered at the origin. The edges of the cube are parallel to the axis.
6. Determine an expression for the volume charge density associated with each D field following
   (a) $D = \left(\frac{1}{xz}\right)\left[10xyz\, a_x + 5x^2z\, a_y + (2z^4 - 5x^2y)a_z\right] C/m^2$ at $P_A = (-2, 3, 5)$
   (b) $D = 5z^2 a_\rho + 10\rho z\, a_z\ C/m^2$ at $P_B = (3, -45°, 5)$
   (c) $D = 2r \sin\theta \sin\varphi\, a_r + r\cos\theta \sin\varphi\, a_\theta + r\cos\varphi\, a_\varphi\ C/m^2$ at $P_C = (3, 45°, -30°)$
7. Given that $D = (x^2 - y^2)\, a_x + 2xy\, a_y + (x^2 - xy)\, a_z\ C/m^2$, evaluate both sides of the divergence theorem for the region bounded by $-1 < x, y, z < 1$.
8. Given $D = 5r\, a_r\ C/m^2$, determine whether the divergence theorem holds good for the shell region enclosed by spherical surfaces at $r = a$ and $r = b$ $(b > a)$ and centered at the origin.
9. Given $D = \left(\frac{1\sin\theta}{\rho^2}\right)a_\rho + \left[\frac{10}{\rho^2+z^2}\right]a_z\ C/m^2$ in cylindrical coordinates, evaluate both sides of the divergence theorem for the volume enclosed by $\rho = 0, \rho = 6m, z = 0$ and $z = 3m$.
10. Find E at the origin if the following charge distributions are present in free space: point charge, 8 nC, at $P(-2, 1, -3)$, uniform line charge density, $3nC/m$, at $y = 2, z = -3$, uniform surface charge density, $0.4nC/m^2$ at $z = -1$

4. Assignment submission (Samples)



Electromagnetic Waves — Nithyashree S
Assignment - 01 — ENG20EC0068

Set -01

1. Two point charges $Q_1 = 250\,\mu C$ and $Q_2 = -300\,\mu C$ are located at (1, 0, 0) m and (0, 0, -1) m respectively. Find the force on Q_2

Sol $Q_1 = 250\,\mu C$

$Q_2 = -300\,\mu C$

$\vec{F} = \frac{Q_1 Q_2}{4\pi\varepsilon_0 R^2}\vec{R}$

$R = \sqrt{(-1)^2 + (0)^2 + (-1)^2}$

$= \sqrt{1 + 1}$

$= \sqrt{2}$

$R = 1.41$

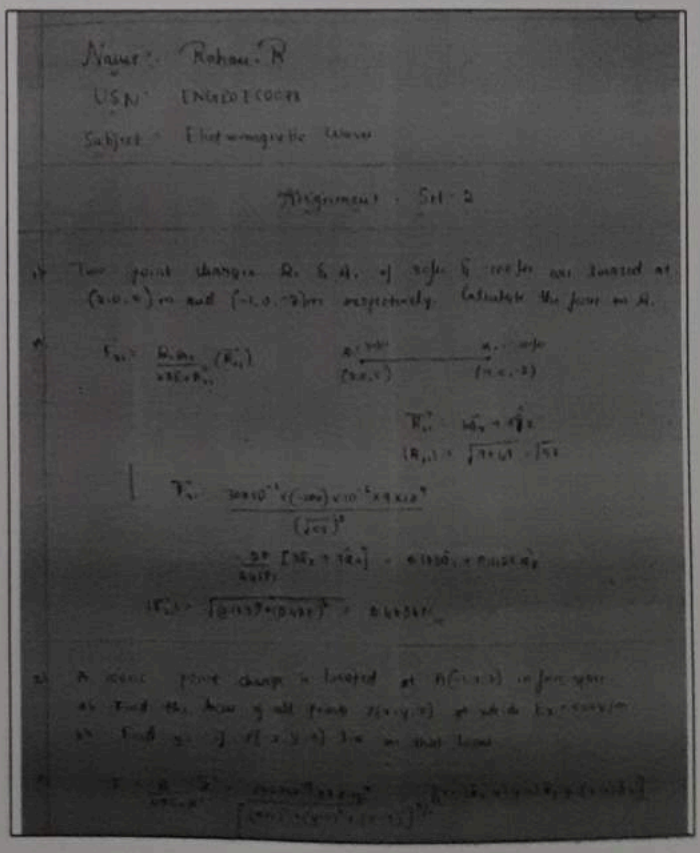
$\vec{D} = 5a_x + 0a_y - 5a_z$

$\vec{R} = 5a_x - 5a_z$

$\vec{F} = \frac{250 \times 10^{-6} \times 300 \times 10^{-6} \times 9 \times 10^9}{(1.41)^3}(5a_x - 5a_z)$

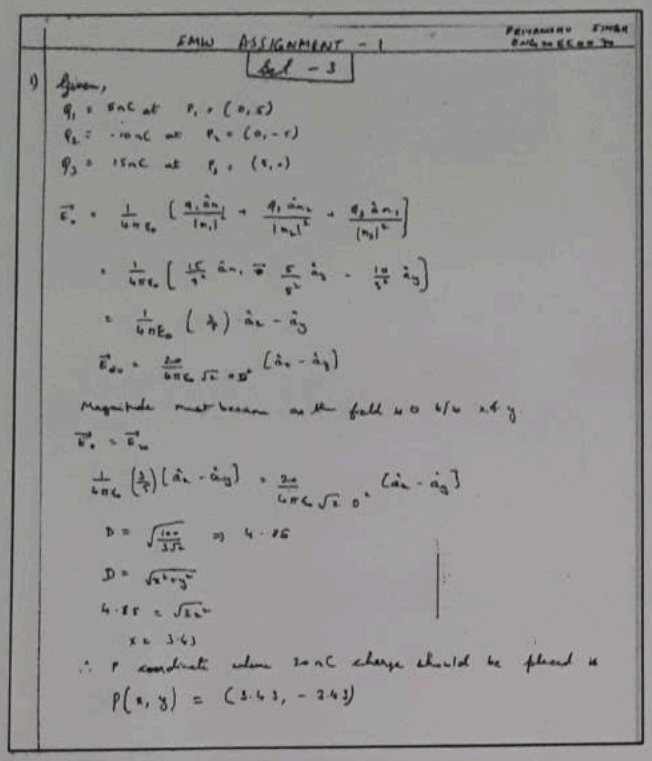
$\vec{F} = 1.91\,(5a_x - 5a_z)\ N$

∴ The force on charge Q_2 is $1.91(5a_x + 5a_z)\ N$



Name: Rohan. R
USN: ENG20EC0068
Subject: Electromagnetic Waves

Assignment - Set - 2



EMW ASSIGNMENT - 1

Set - 3

1) Given,
$q_1 = 5nC$ at $P_1 = (0,5)$
$q_2 = -10nC$ at $P_2 = (0,-5)$
$q_3 = 15nC$ at $P_3 = (x,0)$

$\vec{E}_3 = \frac{1}{4\pi\epsilon_0}\left[\frac{q_1 \hat{a}_{r_1}}{|r_1|^2} + \frac{q_2 \hat{a}_{r_2}}{|r_2|^2}\right]$

$= \frac{1}{4\pi\epsilon_0}\left[\frac{15}{x^2}\hat{a}_x + \frac{5}{5^2}\hat{a}_y - \frac{10}{5^2}\hat{a}_y\right]$

$= \frac{1}{4\pi\epsilon_0}\left(\frac{3}{x^2}\right)\hat{a}_x - \hat{a}_y$

$\vec{E}_{30} = \frac{3}{4\pi\epsilon_0 \sqrt{2}\, 5^2}(\hat{a}_x - \hat{a}_y)$

Magnitude must become as the field $\vec{E}_3 = \vec{E}_{30}$

$\frac{1}{4\pi\epsilon_0}\left(\frac{3}{x^2}\right)(\hat{a}_x - \hat{a}_y) = \frac{3}{4\pi\epsilon_0 \sqrt{2}\, 5^2}(\hat{a}_x - \hat{a}_y)$

$D = \sqrt{x^2+5^2} \Rightarrow 4.86$

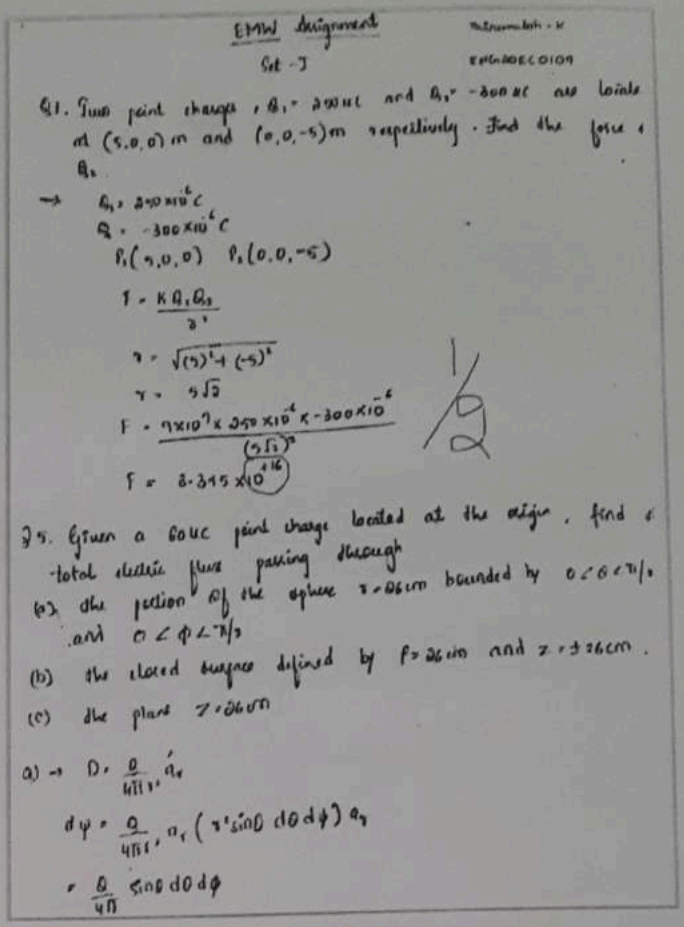
$D = \sqrt{x^2+y^2}$

$4.86 = \sqrt{x^2+5^2}$

$x = 3.43$

∴ P coordinate where 3nC charge should be placed is

$P(x,y) = (3.43, -2.43)$



EMW Assignment — Mathematics - IV

Set - 3 — ENG20EC0109

Q1. Two point charges, $Q_1 = 250\mu C$ and $Q_2 = -300\mu C$ are located at (5,0,0) m and (0,0,-5) m respectively. Find the force on Q_2.

→ $Q_1 = 250 \times 10^{-6} C$

$Q_2 = -300 \times 10^{-6} C$

$P_1(5,0,0)$ $P_2(0,0,-5)$

$F = \frac{KQ_1Q_2}{r^2}$

$r = \sqrt{(5)^2 + (-5)^2}$

$r = 5\sqrt{2}$

$F = \frac{9\times10^9 \times 250\times10^{-6} \times -300\times10^{-6}}{(5\sqrt{2})^2}$

$F = 3.375 \times 10^{+16}$

1/2

Q5. Given a 60uC point charge located at the origin, find the total electric flux passing through

(a) the portion of the sphere r = 06cm bounded by $0 < \theta < \pi/3$ and $0 < \phi < \pi/3$

(b) the closed surface defined by $\rho = 06cm$ and $z = \pm 06cm$.

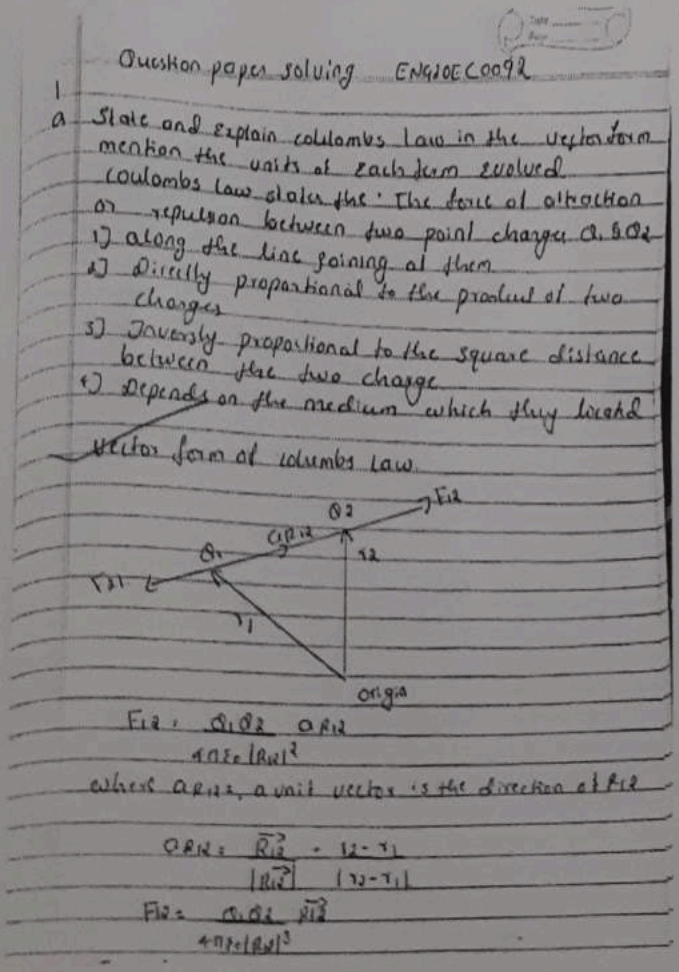
(c) the plane $z = 06cm$

a) → $D = \frac{Q}{4\pi r^2} \hat{a}_r$

$d\psi = \frac{Q}{4\pi r^2} a_r (r^2 \sin\theta \, d\theta \, d\phi) a_r$

$= \frac{Q}{4\pi} \sin\theta \, d\theta \, d\phi$

5. Old question papers are solved as a part of remedial



Question paper solving ENG10EC0092

1

a State and explain coulombs law in the vector form mention the units of each term involved

Coulombs law states the: The force of attraction or repulsion between two point charges Q_1 & Q_2

1] along the line joining of them

2] Directly proportional to the product of two charges

3] Inversly proportional to the square distance between the two charge

4] Depends on the medium which they located

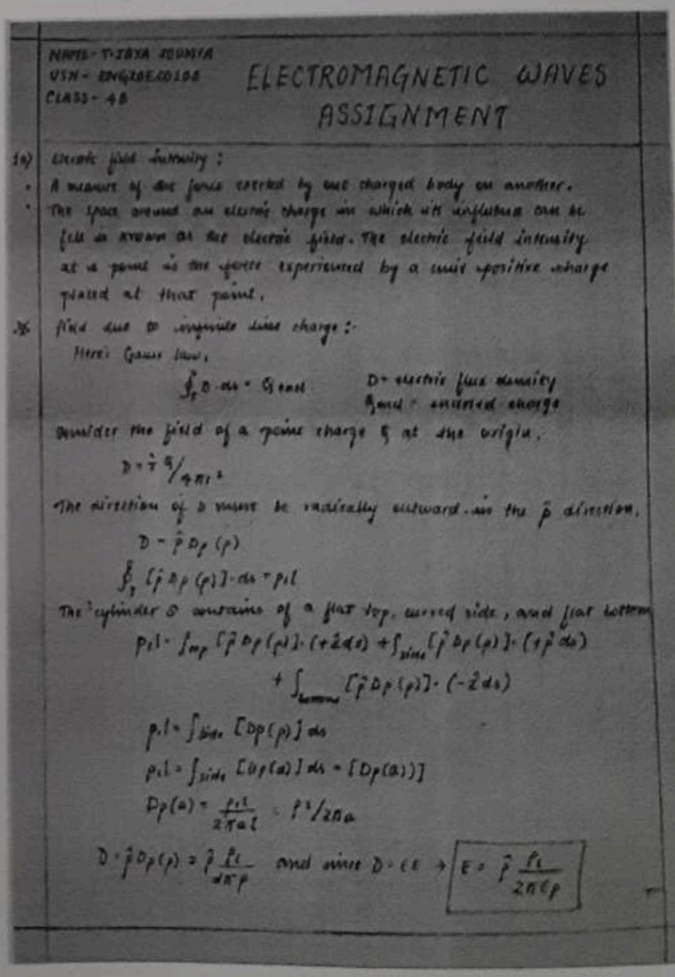
Vector form of columbs law

$F_{12} = \frac{Q_1 Q_2}{4\pi\epsilon_0 |R_{12}|^2} a_{R12}$

where a_{R12}, a unit vector is the direction of R_{12}

$a_{R12} = \frac{\vec{R_{12}}}{|\vec{R_{12}}|} = \frac{r_2 - r_1}{|r_2 - r_1|}$

$F_{12} = \frac{Q_1 Q_2}{4\pi\epsilon_0 |R_{12}|^3} \vec{R_{12}}$



NAME - TIBYA KONIYA
USN - ENG20EC0108
CLASS - 4B

ELECTROMAGNETIC WAVES ASSIGNMENT

1a) Electric field intensity:

- A measure of the force exerted by one charged body on another.
- The space around an electric charge in which its influence can be felt is known as the electric field. The electric field intensity at a point is the force experienced by a unit positive charge placed at that point.

* Field due to infinite line charge:

Here: Gauss law,

$\oint_s D \cdot ds = Q_{enc}$ — D = electric flux density, Q_{enc} = enclosed charge

Consider the field of a point charge Q at the origin.

$D = \frac{Q}{4\pi r^2} \hat{r}$

The direction of D must be radially outward. in the $\hat{\rho}$ direction.

$D = \hat{\rho} D_\rho(\rho)$

$\oint_s [\hat{\rho} D_\rho(\rho)] \cdot ds = \rho l$

The cylinder S contains of a flat top, curved side, and flat bottom

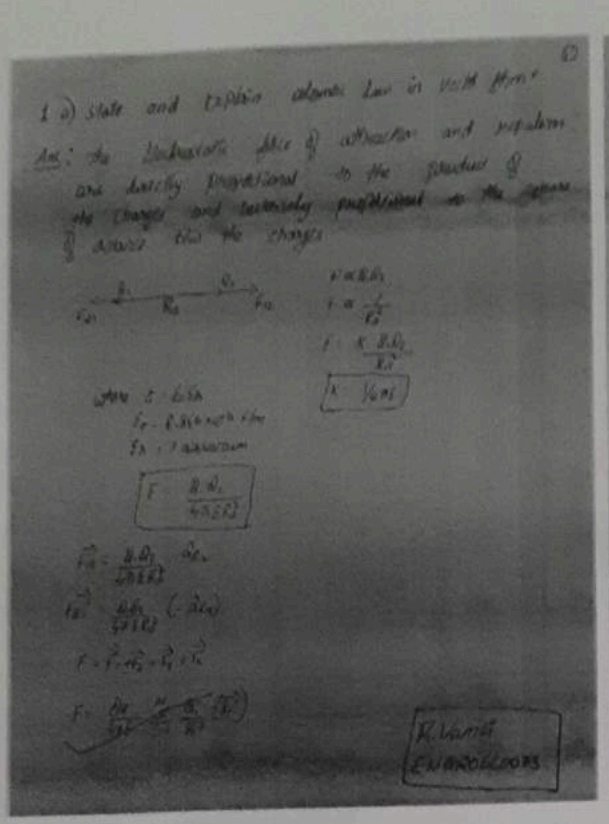
$\rho l = \int_{top} [\hat{\rho} D_\rho(\rho)] \cdot (+\hat{z}\, ds) + \int_{side} [\hat{\rho} D_\rho(\rho)] \cdot (+\hat{\rho}\, da) + \int_{bottom} [\hat{\rho} D_\rho(\rho)] \cdot (-\hat{z}\, ds)$

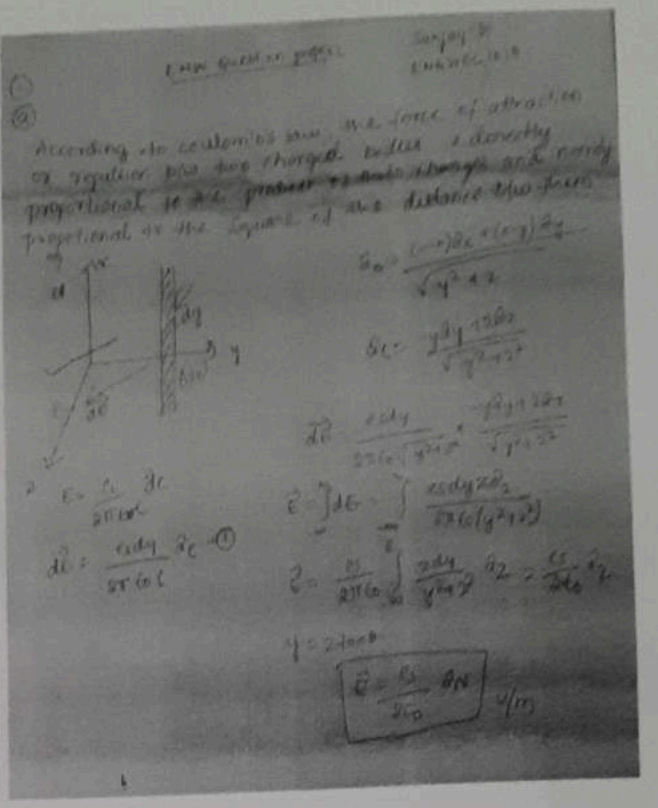
$\rho l = \int_{side} [D_\rho(\rho)]\, ds$

$\rho l = \int_{side} [D_\rho(a)]\, ds = [D_\rho(a)]$

$D_\rho(a) = \frac{\rho l}{2\pi a l} = \rho_l / 2\pi a$

$D = \hat{\rho} D_\rho(\rho) = \hat{\rho} \frac{\rho_l}{2\pi\rho}$ and since $D = \epsilon E \rightarrow$ $\boxed{E = \hat{\rho} \frac{\rho_l}{2\pi\epsilon\rho}}$





6. The outcome of this remedial work.

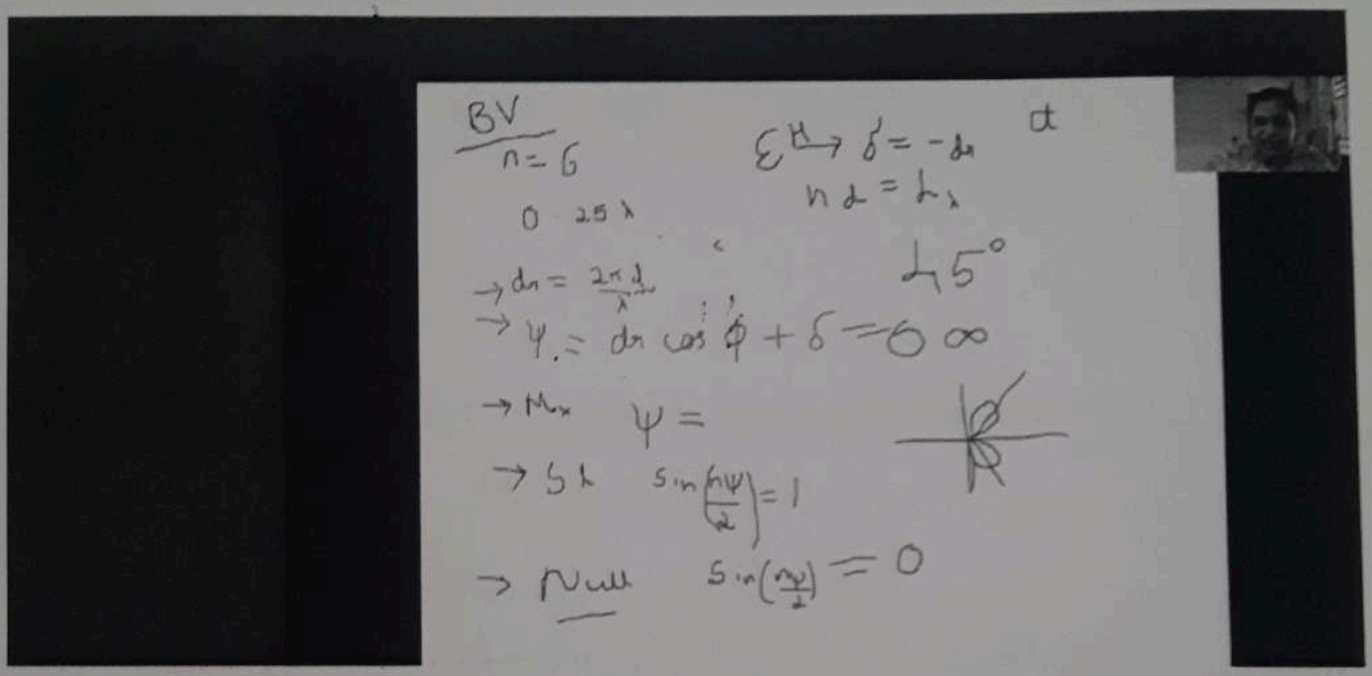
Sl.No.	USN	Name	IA (50)		Sl.No.	USN	Name	IA (50)	
1	ENG20EC0062	NITHYASHREE S	12	P	25	ENG20EC0104	SWATI JAMBAGI	AB	
2	ENG20EC0068	PRAMATH PRAKASH HEGDE	10	F	26	ENG20EC0105	T JAYA SOUMYA	5	F
3	ENG20EC0069	PRITHVIRAJ MULGE	9	F	27	ENG20EC0106	TARUN G	AB	
4	ENG20EC0070	PRIYANSHU SINGH	12	F	28	ENG20EC0107	TEJAS H R	11	F
5	ENG20EC0071	PUNITH V	8	F	29	ENG20EC0108	THIRTHA KUMAR T N	2	F
6	ENG20EC0073	R VAMSI	15	F	30	ENG20EC0109	THIRUMALESH K	11	F
7	ENG20EC0078	ROHAN R	15	P	31	ENG20EC0110	THUSHAR KUMAR CHADAGA	3	F
8	ENG20EC0079	ROHIT R PATIL	15	P	32	ENG20EC0111	TRIBHUVAN M	12	P
9	ENG20EC0080	ROHITH V	6	F	33	ENG20EC0112	V MAGESHWARAN	7	F
10	ENG20EC0082	VIJAY S	1	F	34	ENG20EC0113	VAISHNAVI N	11	P
11	ENG20EC0083	SAFA AFZAL KHAN	7	P	35	ENG20EC0114	VIGHNESH CHANDRAKANT GUNAGA	6	F
12	ENG20EC0086	SAMRUDHI S	9	F	36	ENG20EC0115	VIJAY SHANKRAPPA AIHOLE	2	F
13	ENG20EC0088	SANJEETH B	AB		37	ENG20EC0118	VISHAL ROKKAM	11	P
14	ENG20EC0090	SHALINI S	13	P	38	ENG20EC0119	YAKSHITHA M	3	F
15	ENG20EC0091	SHASHANK R	5	P	39	ENG20EC0121	YASHAS M NAYAK	3	F
16	ENG20EC0092	SHASHANK RAMACHANDRA HEGDE	9	P	40	ENG20EC0122	J LOHITH KUMAR	0	F
17	ENG20EC0093	SHIVAM SHRIVASTAVA	2	F	41	ENG21EC1008	ROHIT RAJKUMAR DUGGANI	10	
18	ENG20EC0094	SHRADDHA PRABHAKAR	15	P	42	ENG21EC1009	SANDEEP S	10	
19	ENG20EC0096	SHUBHAM KUMAR	12	P	43	ENG21EC1010	SANJAY D	10	
20	ENG20EC0097	SIRIGI REDDY INDU SAI	12	P	44	ENG21EC1011	SANTOSH	0	
21	ENG20EC0098	SOURAV ANAND DAYAPULE	3	F	45	ENG21EC1012	SATHISH KUMAR K	9	
22	ENG20EC0100	SUHAS G L	14	F	46	ENG21EC1013	SHASHI KUMAR N	8	
23	ENG20EC0101	SUHAS SHEKARGOUDA PATIL	6	F	47	ENG21EC1014	SUMANTH GURURAJ BOMMANAGI	0	
24	ENG20EC0102	SUMANTH R	10	F	48	ENG21EC1015	VINAYAK V WAGH	1	

Revision classes and Practice test were taken for slow learners in Antenna and wave propagation subject.

Semester:5 B

Teacher: Nandini Rao G

Classes and assignments were taken in online mode. Revision classes were taken for 10 students.



We had identified slow learners based on the CBT score and IA score of students. Those who had got below 30% were given with an assignment. Questions are as listed below.

Special classes were taken on:

19/10/2021 from 10 a.m to 11.30 a.m

20/10/2021 from 8.45 a.m to 9.45 a.m

21/10/2021 from 8.45 a.m to 9.45a.m

Student list :

1.Akshay Kumar reddy

2.Ningaraj

3.Shylesh

4.Adarsh M C

5.Pradeep

6.Yeshwanth

7.Sahana P

8.Nikitha

9.Akanksha

10.Thilak

Practice questions.... Posting here..... Try and write the answers in comment section....

1. Calculate the skip distance for flat earth with MUF of 20 MHz if the wave is reflected from a height of 200 km where the maximum value of n is 0.95.
2. The transmitting and receiving antennas with respective heights of 64 m and 25 m are installed to establish communication at 10 MHz with transmitted power of 100 watts. Determine the LOS distance and the received signal strength thereat.
3. Obtain the roughness factor at 10 MHz for an earth having $\sigma = 5\times10-5$ mhos/cm for 0 equal to (a) 5°, (b) 10°, and (c) 30°.
4. The critical frequencies at an instant observed for E, F1 and F2 layers were found to be 4, 6 and 10 MHz. Find the corresponding concentration of electrons in these layers
5. A transmitting antenna of 100m height radiates 50 kW at 30MHz uniformly in azimuth plane. Calculate the maximum LOS range and strength of the received signal at 9 m high receiving antenna at a distance of 20 km. At what distance would the signal strength reduce to half of that received at 20 km
6. Calculate the maximum single hop distance for D, E, F1 and F2 layers if their heights are assumed to be 50, 110, 200 and 300 km respectively above the earth and the angle of incidence is 20° in all cases

https://drive.google.com/file/d/1Ce-cXI5EJBrTlB-8PDTbRVH2wZOdUHwN/view?usp=sharing

Dayananda Sagar
University

Kudlu Gate, Hosur Main Road, Bangalore-560068

School of Engineering

Department of Mathematics

The students of first semester (2020-2021) who have scored less than 20/50 in Mid-term test are informed to attend the remedial classes as scheduled.

Date: 8th March 2021 to 26th March 2021.

Time: 4.00 pm to 4.40 pm.

Enclosure:

1. Student's list

DEAN - SCHOOL OF ENGINEERING,
DAYANANDA SAGAR UNIVERSITY,
KUDLU GATE, HOSUR MAIN ROAD,
BENGALURU - 560 068

Department of Mathematics
Remedial classes students list

Sl No.	USN	Name
1	ENG20CT0001	ABHAS AGNIHOTRI
2	ENG20CS0002	ABHILIPSA JENA
3	ENG20CT0003	ADITYA A NAVALE
4	ENG20CS0078	CHIMPIRI SAI KIRAN
5	ENG20CS0233	NITHIN B S
6	ENG20CS0428	RAHUL BHATTACHARYA
7	ENG20CS0328	SHAMANTH K
8	ENG20CT0030	VENKATA GOKUL MANDA
9	ENG20CS0410	VIDYA SAGAR BHARDWAJ
10	ENG20CS0178	M L VISHAAL
11	ENG20CS0004	ABHISHEK H
12	ENG20CY0017	MIR MOHAMMED KAIF
13	ENG20CS0230	NIKHILESH KUMAR T
14	ENG20CY0030	PRITHEEP A
15	ENG20CS0414	VIVEK BELAGALI

DEAN - SCHOOL OF ENGINEERING,
DAYANANDA SAGAR UNIVERSITY,
KUDLU GATE, HOSUR MAIN ROAD,
BENGALURU - 560 068

Department of Mathematics
Attendance for remedial classes for students who scored less than 20/50 in Mid-term test

Sl. No.	USN	NAME	8th Mar	9th Mar	11th Mar	15th Mar	16th Mar	18th Mar	22nd Mar	23rd Mar	25th Mar	Attendance %
1	ENG20CT0001	ABHAS AGNIHOTRI	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
2	ENG20CS0002	ABHILIPSA JENA	Y	Y	N	Y	Y	Y	Y	Y	Y	89
3	ENG20CT0003	ADITYA A NAVALE	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
4	ENG20CS0078	CHIMPIRI SAI KIRAN	Y	Y	N	Y	Y	Y	Y	Y	Y	89
5	ENG20CS0233	NITHIN B S	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
6	ENG20CS0428	RAHUL BHATTACHARYA	Y	Y	Y	Y	N	Y	Y	Y	Y	89
7	ENG20CS0328	SHAMANTH K	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
8	ENG20CT0030	VENKATA GOKUL MANDA	Y	Y	Y	N	Y	Y	Y	Y	Y	89
9	ENG20CS0410	VIDYA SAGAR BHARDWAJ	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
10	ENG20CS0178	M L VISHAAL	Y	Y	Y	Y	N	Y	Y	Y	Y	89
11	ENG20CS0004	ABHISHEK H	Y	Y	N	Y	N	Y	Y	Y	Y	78
12	ENG20CY0017	MIR MOHAMMED KAIF	Y	Y	Y	Y	Y	Y	N	Y	Y	89
13	ENG20CS0230	NIKHILESH KUMAR T	Y	N	Y	Y	N	Y	Y	Y	Y	78
14	ENG20CY0030	PRITHEEP A	Y	Y	Y	Y	Y	N	Y	Y	Y	89
15	ENG20CS0414	VIVEK BELAGALI	Y	Y	N	Y	Y	Y	N	Y	Y	78

Sl No.	USN No	Student Name	MID TERM (50)	Additional MID TER	MID TERM (20)	CBT (30)	CBT (15)	QUIZ (10)	CASE STUDY	REFLECTION NOTES (5)	ATTENDANCE/PERFORMANCE IN CLASS/P	CIA (60)
1	ENG20CT0001	ABHAS AGNIHOTRI	12	20	8	20	10	7	5	5	2	37
2	ENG20CS0002	ABHILIPSA JENA	12	20	8	9	4.5	7	5	5	2	31.5
3	ENG20CT0003	ADITYA A NAVALE	12	20	8	16	8	7	5	5	4	37
4	ENG20CS0078	CHIMPIRI SAI KIRAN	10	20	8	12	6	6	5	5	2	32
5	ENG20CS0233	NITHIN B S	11	20	8	12	6	7	5	5	2	33
6	ENG20CS0428	RAHUL BHATTACHARYA	9	20	8	10	5	3	5	5	1	27
7	ENG20CS0328	SHAMANTH K	10	20	8	9	4.5	0	5	5	2	24.5
8	ENG20CT0030	VENKATA GOKUL MANDA	9	20	8	20	10	8	5	5	2	38
9	ENG20CS0410	VIDYA SAGAR BHARDWAJ	9	20	8	12	6	8	5	5	2	34
10	ENG20CS0178	M L VISHAAL	10	20	8	17	8.5	7	5	5	2	35.5
11	ENG20CS0004	ABHISHEK H	11	20	8	8	4	7	5	5	3	32
12	ENG20CY0017	MIR MOHAMMED KAIF	11	20	8	12	6	6	5	5	2	32
13	ENG20CS0230	NIKHILESH KUMAR T	7	20	8	11	5.5	5	5	5	2	30.5
14	ENG20CY0030	PRITHEEP A	10	20	8	14	7	3	5	5	2	30
15	ENG20CS0414	VIVEK BELAGALI	6	20	8	7	3.5	8	5	5	2	31.5

Dayananda Sagar
University

Kudlu Gate, Hosur Main Road, Bangalore-560068

School of Engineering

Department of Mathematics

Special class for Laplace Transforms in the course "Transforms and Differential Equations (21EN1201)" is arranged from 13.06.2022 to 20.6.2022 which will be between 3.45 pm to 4.45 pm. To register for these special classes, interested students can fill out the Google form (https://forms.gle/rrP2TUtYeeYSZixn8) shared by their class advisor.

Enclosure:

1. Student's list

11/6/22

DEAN - SCHOOL OF ENGINEERING,
DAYANANDA SAGAR UNIVERSITY,
KUDLU GATE, HOSUR MAIN ROAD,
BENGALURU - 560 068

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 15:51:01	pranavchinthala22@gmai	Pranav Chinthala	ENG21ME0011	9110463057	PHYSICS
6/11/2022 15:51:22	ranjithreddy0025@gmail.c	Ranjith kumar M	ENG21DS0033	8095521899	PHYSICS
6/11/2022 15:51:27	ratan152004@gmail.com	Ratan Ravichandran	ENG21AM0093	7204725950	PHYSICS
6/11/2022 15:51:43	qasim.abbas.ab@gmail.c	Mir khyrun ali	ENG21DS0051	9886726714	PHYSICS
6/11/2022 15:51:43	ritulbhoj111@gmail.com	RITUL BHOJ	ENG21AM0096	+918445807167	PHYSICS
6/11/2022 15:51:49	srilathav547@gmail.com	Vakamalla Srilakshmi	ENG21EC0135	9353438140	PHYSICS
6/11/2022 15:52:06	upamanyu177@gmail.cor	Upamanyu	ENG21CS0452	8317461053	PHYSICS
6/11/2022 15:52:07	ainisafiyyah1105@gmail.c	AINI SAFIYYAH	ENG21AS0006	8217723784	PHYSICS
6/11/2022 15:52:09	swarajkhan2003@gmail.c	Swaraj khan	ENG21CS0433	8618893815	CHEMISTRY
6/11/2022 15:52:30	carolyn12022004@gmail.	CAROLYN	ENG21CS0090	7349728972	PHYSICS
6/11/2022 15:52:35	udaykiranreddy2003@gm	UDAY KIRAN REDDY G	ENG21EC0133	7483079714	PHYSICS
6/11/2022 15:52:39	lokeshreddy1652@gmail.	Lokesh reddy. T	ENG21CS0528	8867090665	PHYSICS
6/11/2022 15:52:57	thanu.v2003@gmail.com	Thanushraya. V	ENG21AS0046	7204612294	PHYSICS
6/11/2022 15:53:12	nivas.dsu@gmail.com	Nivas	Eng210046	9019797128	PHYSICS
6/11/2022 15:53:19	taniab.grad@gmail.com	Tania Binu	ENG21CS0443	7899605102	PHYSICS
6/11/2022 15:53:20	abhinayreddybommireddy	Abhinay Reddy	ENG21CY0011	9347295493	PHYSICS
6/11/2022 15:53:32	shubhamsbi6949@gmail.	Shubham Kumar	ENG21DS0039	9102586642	PHYSICS
6/11/2022 15:53:35	rishonpaul2003@gmail.co	Rishon Paul	ENG21ME0014	9108794003	PHYSICS
6/11/2022 15:53:45	mekhalasreenivas@gmai	Mekhala Sreenivas	ENG21AS0025	8792915779	PHYSICS
6/11/2022 15:53:57	snehadoddamani555@gn	Sneha doddamani	ENG21EC0113	7892773699	PHYSICS
6/11/2022 15:54:05	gnaveen0602@gmail.com	Naveen kumar G	ENG21EC0070	8861997557	PHYSICS
6/11/2022 15:54:50	preethivijay19@gmail.con	V. Preethi	Eng21cs0458	7892805446	PHYSICS
6/11/2022 15:54:53	bhanushreegowdabhanus	Bhanushree N V	ENG21EC0013	9513270319	PHYSICS
6/11/2022 15:55:38	jyotiarawale@gmail.com	Jyoti Arawale	ENG21EC0043	7483105028	PHYSICS
6/11/2022 15:56:18	kavyalagumahia@gmail.c	Kavya M L	ENG21EC0046	8861637192	PHYSICS
6/11/2022 15:56:19	kushalswaroop1@gmail.c	Kushal Swaroop	ENG21CY0054	8861554405	PHYSICS
6/11/2022 15:56:28	suhaskinagi07@gmail.cor	Suhas m k	ENG21EC0122	9880369901	PHYSICS
6/11/2022 15:56:32	cunicorn119@gmail.com	Seung Eon Choi	ENG21CY0039	8296066773	PHYSICS
6/11/2022 15:56:46	shubhodeepghosh301@g	Shubhodeep Ghosh	ENG21EC0149	9591846974	PHYSICS
6/11/2022 15:57:20	adarshm2762003@gmail.	adarshm2762003@gmail.	ENG21AS0003	7204188908	PHYSICS
6/11/2022 15:58:23	sohanvernekar1234@gm	SOHAN R V	ENG21CT0037	8747041855	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 16:00:43	girivasamowlish@gmail.c	G MOWLISH	ENG21AM0038	8792612377	PHYSICS
6/11/2022 16:01:36	likithaplikithap@gmail.cor	P.Likitha	ENG21EC0077	8123527464	PHYSICS
6/11/2022 16:02:19	sauravkt12@gmail.com	Saurav Kt	ENG21AM0110	7406562799	PHYSICS
6/11/2022 16:02:40	rcharangowda019@gmail	Charan gowda k r	ENG21EC0022	9606178115	PHYSICS
6/11/2022 16:03:10	maruthir603@gmail.com	Maruthi p	ENG21AS0023	7892443461	PHYSICS
6/11/2022 16:03:33	ransinghvedant@gmail.cc	Vedant Ransingh	ENG21CT0047	9340428929	PHYSICS
6/11/2022 16:05:11	aditishenoy28@gmail.con	Aditi Shenoy	ENG21AS0005	70222288927	PHYSICS
6/11/2022 16:05:13	mkallyam.2002@gmail.cc	K Mallikarjuna reddy	ENG21CT0012	6362736296	PHYSICS
6/11/2022 16:07:03	sneha.b.patil05.07.2003@	Sneha patil	ENG21EC0112	6361396106	PHYSICS
6/11/2022 16:08:29	abhibagalkot378760@gm	Abhay bagalkot	ENG21CY0001	8217839247	PHYSICS
6/11/2022 16:08:38	aneeshbharani@gmail.co	Aneesh	ENG21AM0009	09901278617	PHYSICS
6/11/2022 16:09:33	sayandipporia3@gmail.cc	Sayandip Poria	ENG21CY0038	7865960875	PHYSICS
6/11/2022 16:10:08	aniketharya2004@gmail.c	Aniketh Arya	ENG21CY0053	7676469489	PHYSICS
6/11/2022 16:10:12	Arshiya.aman0608@gma	Arshiya aman	ENG21CY0008	95132 90569	PHYSICS
6/11/2022 16:10:51	vrundanatesh1133@gmai	N Vrunda Natesh	ENG21EC0068	8618117741	PHYSICS
6/11/2022 16:11:04	pvsvikas1234@gmail.com	PENUKONDA VENKATA	ENG21EC0083	9182530647	PHYSICS
6/11/2022 16:13:02	luduptenzing@gmail.com	Tenzin Ludup Bhutia	ENG21CS0527	8927728287	PHYSICS
6/11/2022 16:13:15	mmewarapranjal4@gmail	Pranjal Mewara	ENG21DS0026	9829296038	PHYSICS
6/11/2022 16:13:24	abhishekpaul102@gmail.(	Abhishek Paul	ENG21CY0002	8653218209	PHYSICS
6/11/2022 16:15:56	satchitaloor@gmail.com	Satchit Aloor	ENG21CY0037	9121576894	PHYSICS
6/11/2022 16:16:30	suhaskv15042004@gmai	Suhas.k.v	ENG21EC0121	8123660415	PHYSICS
6/11/2022 16:17:58	aakashtomar647@gmail.c	Aakash Tomar	ENG21DS0001	8602599715	PHYSICS
6/11/2022 16:18:19	shibuashil01@gmail.com	Ashil Abraham Shibu	ENG21DS0009	7338636747	PHYSICS
6/11/2022 16:19:30	vasanthselvam40@gmail.	Vasanth	ENG21AS0038	08861473525	PHYSICS
6/11/2022 16:21:31	thahasingandluri@gmail.c	THAHASIN GANDLURI	ENG211DS0043	7975338384	PHYSICS
6/11/2022 16:24:06	impurajimpana@gmail.co	Impana.R	ENG21ME0006	9686261602	PHYSICS
6/11/2022 16:25:23	leonchris0503@gmail.cor	Leon Chris DSouza	ENG21CS0202	+919845511991	CHEMISTRY
6/11/2022 16:27:03	lakshupooju@gmail.com	Pooja s Patel	Eng21cs0297	7795885884	PHYSICS
6/11/2022 16:27:47	stuthisara@gmail.com	Stuthi Paulose	ENG21CS0416	9741316262	CHEMISTRY
6/11/2022 16:28:03	monalisab149@gmail.cor	Monalisa Barik	ENG21CS0242	8088078969	CHEMISTRY

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 16:28:06	mohammedzufishan@gm	Mohammed Zufishan	ENG21AM0074	8088466096	CHEMISTRY
6/11/2022 16:28:16	divyanksinghvi@gmail.co	Divyank Jain Singhvi	ENG21CS0123	8905525623	CHEMISTRY
6/11/2022 16:28:33	poojashyla06@gmail.com	Pooja M	ENG21CS0298	8618743709	CHEMISTRY
6/11/2022 16:28:36	namithasrinivasa@gmail.(	Namitha T S	ENG21CS0262	8147178773	CHEMISTRY
6/11/2022 16:28:44	deeptigurjar99@gmail.cor	Deepti Gurjar	ENG21CS0111	9399014191	CHEMISTRY
6/11/2022 16:28:46	tilliveer22@gmail.com	Tilak Uppar	ENG21CS0447	8073655967	CHEMISTRY
6/11/2022 16:28:47	karthikmc0128@gmail.co	Mc Karthik	ENG21CS0207	6361236327	CHEMISTRY
6/11/2022 16:28:48	ushashreep712@gmail.cc	Ushashree.P	ENG21CS0453	7204635655	PHYSICS
6/11/2022 16:29:11	deebadeebam08@gmail.(	Deeba M	ENG21CS0109	9108533179	CHEMISTRY
6/11/2022 16:29:12	preethamrds09@gmail.cc	Preetham	ENG21CS0307	9663497130	CHEMISTRY
6/11/2022 16:29:24	subhashsubu106@gmail.	Subhash v	ENG21CS0418	7406420843	CHEMISTRY
6/11/2022 16:29:29	vikkisuvarna20030@gma	Vikas	ENG21EC0139	7338093947	PHYSICS
6/11/2022 16:29:30	amithshinde23@gamil.co	Amith shinde	USN21CS0034	8880890042	CHEMISTRY
6/11/2022 16:30:05	dr6887093@gmail.com	Dinesh Reddy	ENG21Ds0057	7893474159	PHYSICS
6/11/2022 16:30:29	srinidhi2403@gmail.com	Srinidhi R	ENG21CS0523	9449175913	CHEMISTRY
6/11/2022 16:30:47	ankit.girish23@gmail.com	Ankit Girish	ENG21CS0044	9742023795	CHEMISTRY
6/11/2022 16:31:10	tnabhishek03@gmail.com	Abhishek T N	ENG21CS0007	6363057539	CHEMISTRY
6/11/2022 16:31:22	zabadeanurag5@gmail.cc	Anurag	ENG21AM0012	6363002427	CHEMISTRY
6/11/2022 16:31:52	chaithrakumar22@gmail.(	Chaithra .k	ENG21DS0014	9606867765	PHYSICS
6/11/2022 16:32:50	satiriabhi@gmail.com	Abhishek ms	ENG21CS0227	6303007669	CHEMISTRY
6/11/2022 16:33:06	vishwahegde108@gmail.(	Vishwa V Hegde	ENG21CY0052	8762518136	CHEMISTRY
6/11/2022 16:33:58	sharon.nagaraj12345@gr	A SHARON	ENG21AS0001	8660070277	PHYSICS
6/11/2022 16:33:58	ash370012@gmail.com	Ashwath.S	ENG21CS0058	6363423969	CHEMISTRY
6/11/2022 16:34:00	karishmamokama@gmail	Karishma Kumari	ENG21CS0180	7073845461	CHEMISTRY
6/11/2022 16:34:04	surendarsty2@gmail.com	Surendar	ENG21CS0506	8667872145	CHEMISTRY
6/11/2022 16:34:22	mdarshantejomaya@gma	Darshan Tejomaya M	ENG21CS0107	7353594507	CHEMISTRY
6/11/2022 16:34:58	bhoomikashivamurthy22@	Bhoomika S Murthy	ENG21AM0018	9113630142	CHEMISTRY
6/11/2022 16:35:32	saanchithadevraj@gmail.(	Saanchitha D	ENG21CS0350	9535351299	CHEMISTRY
6/11/2022 16:35:40	mg2003nani@gmail.com	Lakshmi Narayana mg	ENG21CS0198	6360560074	PHYSICS
6/11/2022 16:35:41	yukthakp0@gmail.com	Yuktha K P	ENG21CS0487	6361650904	CHEMISTRY

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 16:36:53	karthiksatyanaik@gmail.c	Karthik Satyanaik	ENG21CS0181	09740891149	CHEMISTRY
6/11/2022 16:37:53	hugarsachin23@gmail.co	Pikan a hugar	Eng21ec0084	8197085538	PHYSICS
6/11/2022 16:38:00	immaazahmed07@gmail.	Syed maaz	ENG21CS0435	9513415216	CHEMISTRY
6/11/2022 16:38:12	Poojamanyam24@gmail.(	Pooja V M	ENG21CT0029	9019538591	PHYSICS
6/11/2022 16:39:46	varun123bpatil@gmail.co	Varun B Patil	ENG21CS0463	9535011904	PHYSICS
6/11/2022 16:40:19	pk2884556@gmail.com	Priya Kumari	ENG21CS0308	9609577720	CHEMISTRY
6/11/2022 16:42:22	aknbo30@gmail.com	Amar Kumar	ENG21CS0030	8292772484	CHEMISTRY
6/11/2022 16:42:39	rb.suraj23@gmail.com	Suraj RB	ENG21CS0430	8197980227	CHEMISTRY
6/11/2022 16:43:26	amruthachebbar@gmail.c	Amrutha C	ENG21CS0036	9481283547	CHEMISTRY
6/11/2022 16:43:50	madhamanchishravan26(	Shravan Kumar madhama	ENG21CS0380	8179189942	CHEMISTRY
6/11/2022 16:45:59	ananyahoney16@gmail.c	Ananya G Raj	ENG21CS0040	9663097974	CHEMISTRY
6/11/2022 16:46:11	amith.r2901@gmail.com	Amith	ENG21CS0033	7795121232	CHEMISTRY
6/11/2022 16:47:01	mohan4442004@gmail.c(	Mohan.M	ENG21CY0026	9360168611	PHYSICS
6/11/2022 16:47:36	gowthamkeer.16@gmail.c	Gowtham.S	ENG21AM0043	8310345849	PHYSICS
6/11/2022 16:48:01	basavarajravi54@gmail.c(	Basavaraj ravi Sadargonc	ENG21CS0069	8123958154	CHEMISTRY
6/11/2022 16:48:36	vanilachyan2003@gmail.(	Vani.Devanand.Lachyan	ENG21EC0136	9071754802	PHYSICS
6/11/2022 16:49:46	savithaommsairam@gma	Raghunandan.M	ENG21CS0503	6361596468	CHEMISTRY
6/11/2022 16:51:32	chaitranagrajreddy@gma	Chaitra.N	ENG21CS0092	87543 77501	CHEMISTRY
6/11/2022 16:51:43	praveenraaj1432@gmail.(	Praveen M	ENG21CS0306	7337609413	CHEMISTRY
6/11/2022 16:53:21	deepakgowdaofficial@gm	Deepak Gowda	ENG21EC0027	8971017092	CHEMISTRY
6/11/2022 16:55:57	HARSHAVARDHANA981	HARSHA VARDHAN A	ENG21CS0151	8197509625	PHYSICS
6/11/2022 16:57:25	saswatrout2003@gmail.c(	Saswat Rout	ENG21CS0364	9409495043	CHEMISTRY
6/11/2022 16:57:30	ananyarananyar8@gmail.	Ananya.R	ENG21CY0006	7676329276	CHEMISTRY
6/11/2022 16:57:35	janpar2003@gmail.com	Jahnavi	ENG21AM0050	9449367478	CHEMISTRY
6/11/2022 16:57:50	dikshasinha310@gmail.c(	DIKSHA	ENG21AM0033	+919006619109	PHYSICS
6/11/2022 16:58:24	syed.shamsulla@gmail.c(	Syed Shamsulla	ENG21ME0016	7975785314	PHYSICS
6/11/2022 16:58:34	ananya.kasiraj@gmail.co	Ananya Kasiraj	ENG21CS0492	8296379009	CHEMISTRY
6/11/2022 16:59:45	noorhadiya23@gmail.com	Noor Hadiya	ENG21DS0025	8618563300	PHYSICS
6/11/2022 17:00:00	sindhu2k03@gmail.com	Sindhu.N	ENG21CS0398	9880724449	CHEMISTRY
6/11/2022 17:00:03	satwikchunduru10@gmai	Chunduru Narasimha Sat	ENG21CY0012	6362661224	CHEMISTRY

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 17:03:44	ashishpa222@gmail.com	Ashish Patil	ENG21AM0013	8310197498	PHYSICS
6/11/2022 17:04:38	maheshmatam4324@gm	Mahesh	ENG21AM0070	9490263615	PHYSICS
6/11/2022 17:04:46	prathibhaa2303@gmail.c	prathibha a	eng21cs0304	9513415303	CHEMISTRY
6/11/2022 17:11:02	pratiyushverma6@gmail.c	PRATIYUSH VERMA	ENG21CS0305	9555243799	CHEMISTRY
6/11/2022 17:14:17	prathaptejas@yahoo.com	Tejas Prathap	ENG21AS0045	9663595433	PHYSICS
6/11/2022 17:14:34	rramyashreek@gmail.con	Ramya Shree k	ENG21CS0327	0998 663 1069	CHEMISTRY
6/11/2022 17:17:39	mokshitham13@gmail.co	Mokshitha.M	ENG21AM0076	8660503072	CHEMISTRY
6/11/2022 17:18:29	sr604694@gmail.com	Srinivas Reddy D	ENG21CS0415	8861228169	CHEMISTRY
6/11/2022 17:20:29	boddubharathsivasai@gm	Boddu.Bharath Siva Sai	ENG21AM0019	9100559121	PHYSICS
6/11/2022 17:23:00	nkruthika06@gmail.com	Krutika.N	ENG21CS0192	9972090016	CHEMISTRY
6/11/2022 17:24:13	anushka06120@gmail.co	Anushka Ambastha	ENG21CSOO49	9686290861	CHEMISTRY
6/11/2022 17:28:13	pavankalyans534@gmail.	Pavan kalyan.s	ENG21AS0031	8971772521	PHYSICS
6/11/2022 17:29:13	bhavanavolati04@gmail.c	BHAVANA VOLATI	ENG21DS0049	8074960557	PHYSICS
6/11/2022 17:29:37	sainathsagar05@gmail.co	Sagar u	ENG21AM0104	9980352003	PHYSICS
6/11/2022 17:32:23	themagnate5854@gmail.(	Anubhav	ENG21CS0493	6362765798	CHEMISTRY
6/11/2022 17:34:31	dalinideva01@gmail.com	LAVANYA D	ENG21AM0065	9342383708	CHEMISTRY
6/11/2022 17:34:51	akritinanda2412@gmail.c	AKRITI NANDA	ENG21CS0026	9060663122	CHEMISTRY
6/11/2022 17:35:13	suhaghnaik@gmail.com	Suhagh A N	ENG21CS0423	6362950841	CHEMISTRY
6/11/2022 17:36:24	aditya.s.padennavar2002	Aditya S Padennavar	ENG21CS0017	9019881895	CHEMISTRY
6/11/2022 17:37:38	maninagamani3283@gm	Nagamani KN	ENG21CY0027	9110893798	CHEMISTRY
6/11/2022 17:38:07	kavyanjali0208@gmail.co	Lingareddy gari Kavyanja	ENG21CS205	9945671844	CHEMISTRY
6/11/2022 17:39:16	jeevithgowdapatel@gmail	Jeevith	ENG21CS0169	8861116067	CHEMISTRY
6/11/2022 17:39:34	shourya624@gmail.com	Shourya Garg	ENG21CS0379	9643196289	CHEMISTRY
6/11/2022 17:44:26	venurj0999@gmail.com	Venu R J	ENG21CS0472	9611421409	CHEMISTRY
6/11/2022 17:49:14	poornimamnerale10@gm	poornima M Nerale	ENG21AM0085	6364619505	CHEMISTRY
6/11/2022 17:49:59	chitnischandana@gmail.c	Chandana Chitnis	ENG21EC0019	+917892833640	PHYSICS
6/11/2022 17:50:04	shrawaniroy14@gmail.co	Shrawani	ENG21CS0381	7903533882	PHYSICS
6/11/2022 17:50:44	kushalgoddy63@gmail.cc	Kushal j	ENG21AM0061	8413263406	PHYSICS
6/11/2022 17:51:55	gowthamreddy1980@gm	Gowtham R	ENG21CS0141	07397008338	CHEMISTRY
6/11/2022 17:52:33	mallireddy.eshwar@gmail	Eshwar Reddy M	ENG21DS0053	+917019681810	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 17:54:06	veereshd251@gmail.com	Veeresh D	ENG21CS0468	8431981950	CHEMISTRY
6/11/2022 17:55:08	Sonu.grishma1999@gma	Grishma reddy	ENG21AM0044	9148811714	PHYSICS
6/11/2022 18:01:16	anuareddy06@gmail.com	Anu A Reddy	ENG21CS0047	8073154620	CHEMISTRY
6/11/2022 18:03:02	anjanasirinvas69@gmail.(	Anjana s	ENG21EC0006	8660374372	PHYSICS
6/11/2022 18:05:31	nejikaranirudh@gmail.cor	Anirudh N.S	ENG21CY0007	8296451459	PHYSICS
6/11/2022 18:08:00	ayushsinha1310@gmail.c	Ayush Sinha	ENG21CS0061	7829178429	CHEMISTRY
6/11/2022 18:13:10	chiranthshrihari7@gmail.(	Chiranth Shri Hari	ENG21AM0027	9113556386	PHYSICS
6/11/2022 18:13:58	ruchikp2567@gmail.com	Ruchitha Gowda S	ENG21AM0100	6363464340	PHYSICS
6/11/2022 18:16:53	sumareddy2503@gmail.c	T SUMA JYOTHI	ENG21CS0441	9480320464	CHEMISTRY
6/11/2022 18:17:31	smritisingh2101@gmail.c	Smriti Singh	ENG21CS0404	8880515170	CHEMISTRY
6/11/2022 18:17:59	palledakhilesh@gmail.cor	P Akhilesh	ENG21EC0076	9900275070	PHYSICS
6/11/2022 18:18:13	saibabupasala@gmail.co	Pasala Rajendra	ENG21EC0080	8722981666	PHYSICS
6/11/2022 18:18:28	tusharmane.1132003@gr	Tushar Krishna Mane	Eng21cs0448	8123742553	PHYSICS
6/11/2022 18:18:33	mujeebattar0123@gmail.(	Mohammadmujeeb M Atta	ENG21CS0231	7975792967	CHEMISTRY
6/11/2022 18:19:18	nandharoc@gmail.com	G Nandha Kumar	ENG21AM0037	7022055700	PHYSICS
6/11/2022 18:21:41	sushilkotrannavar@gmail	Sushilkumar A Kotrannava	ENG21EC0123	6361383626	PHYSICS
6/11/2022 18:22:13	ashutoshkmr2004@gmail	Ashutosh kumar	ENG21CS0494	+916201672912	CHEMISTRY
6/11/2022 18:23:38	swatiik20@gmail.com	Swati Sanjay	ENG21CY0045	8073278427	PHYSICS
6/11/2022 18:27:13	ramyasaiidabbara@gmail	Ramya sai	ENG21DS0015	83283 65814	PHYSICS
6/11/2022 18:28:15	saisriharshareddy008@gı	SAI SRI HARSHA REDDY	ENG21AM0106	9916605430	PHYSICS
6/11/2022 18:35:27	nandeeshpmath@gmail.c	Nandeesh P Math	ENG21CS0263	7019085961	CHEMISTRY
6/11/2022 18:37:35	yaswantheluri567@gmail.	ELURI NAGA YASWANTH	ENG21AM0036	9014778156	PHYSICS
6/11/2022 18:39:35	saibhavya0410@gmail.cc	Sai Bhavya Sree. N	ENG21AM0105	9481337160	PHYSICS
6/11/2022 18:41:22	mjeevika03@gmail.com	Jeevika M	ENG21AM0051	7899825270	PHYSICS
6/11/2022 18:42:35	nandhinireddy648@gmail	Nandhini	ENG21DS0034	09848858648	PHYSICS
6/11/2022 18:42:58	halikushal03@gmail.com	Kushal Hali	ENG21CS0193	09353462245	CHEMISTRY
6/11/2022 18:45:35	raksharavi2910@gmail.cc	Raksha.R	ENG21CS0321	9353768563	CHEMISTRY
6/11/2022 18:51:16	prajwalkundargi0@gmail.(	Prajwal S Kundargi	ENG21EC0087	7975102734	PHYSICS
6/11/2022 18:51:56	amridasri@gmail.com	AMRIDASRI MADHANRA	ENG21AM0008	8147971704	PHYSICS
6/11/2022 18:53:05	gvnsabhiram@gmail.com	Surya Abhiram	ENG21AM0039	7204836747	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 18:53:23	abishek.tpm@gmail.com	ABISHEK H KRISHNA	ENG21CY0003	9591944592	PHYSICS
6/11/2022 18:54:01	vyasaraj1234t@gmail.cor	Vyasaraj	ENG21CY0047	8247820224	PHYSICS
6/11/2022 18:58:36	amithnaik7979@gmail.co	Amith Arvind Naik	ENG21CS0032	9901555739	PHYSICS
6/11/2022 18:59:50	ppallavip5@gmail.com	Pallavi p	ENG21CS0288	8147494259	CHEMISTRY
6/11/2022 19:02:41	arundivo9@gmail.com	M.R.Arun	ENG21AM0067	8895002001	PHYSICS
6/11/2022 19:04:58	akashakashk537@gmail.(	Akash k	ENG21CS0023	9902463197	CHEMISTRY
6/11/2022 19:05:39	ankithosamani@gmail.co	Ankit Shivakumar Hosam	ENG21EC0007	6363993227	PHYSICS
6/11/2022 19:06:03	chandan.ck.1503@gmail.	Chandan kumar B S	Eng21ec0018	9972827706	PHYSICS
6/11/2022 19:13:15	sudhirsaravanansys@gm	Sudhir.S	ENG21CY0044	7406461707	PHYSICS
6/11/2022 19:21:04	ishithaa11@gmail.com	Ishitha Y	ENG21CS0162	8904123259	CHEMISTRY
6/11/2022 19:22:09	venkatjr1011@gmail.com	Venkat bharadwaj	Eng21ec0138	9591945084	PHYSICS
6/11/2022 19:23:19	shettygurudarshan@gma	Guru darshan s Shetty	ENG21CY0017	9535467547	PHYSICS
6/11/2022 19:25:52	pruthvisreddy8861@gmai	PRUTHVI S	ENG21CT0031	8861412936	PHYSICS
6/11/2022 19:26:14	nandy7700@gmail.com	Nandeesh k	Eng21cs0499	9902150813	PHYSICS
6/11/2022 19:35:56	shrinishri796@gmail.com	Shrinikethan.S	ENG21CS0392	8903397942	CHEMISTRY
6/11/2022 19:39:18	yogesh.geriga@gmail.cor	G Yogesh Yadav	ENG21CS0537	9535283942	PHYSICS
6/11/2022 19:39:31	kruthikreddy234@gmail.c	Kruthik R	ENG21AS0019	9663528498	PHYSICS
6/11/2022 19:42:33	abhishekkm2302@gmail.(	Abhishek km	ENG21ME0001	7829723854	PHYSICS
6/11/2022 19:43:04	laharinreddy@gmail.com	Lahari N Reddy	ENG21CS0196	8971898760	CHEMISTRY
6/11/2022 19:43:22	navneeth0210@gmail.cor	Navneeth V	ENG21CS0266	08123880975	CHEMISTRY
6/11/2022 19:45:24	jsanju810@gmail.com	Sanju John	ENG21CS0361	9629667847	CHEMISTRY
6/11/2022 19:45:41	divithbs121@gmail.com	Divith B S	ENG21AM0035	9025021947	CHEMISTRY
6/11/2022 19:46:19	mozammilashraf8340@gı	Md Mozammil Ashraf	ENG21CT0025	8340596465	PHYSICS
6/11/2022 20:00:20	hemanthkumarreddyreddi	Reddimalli Hemanthkuma	ENG21AMOO94	9392371016	PHYSICS
6/11/2022 20:04:01	harshugowda199@gmail.	HARSHITHA. R	ENG21CS0152	9019979118	CHEMISTRY
6/11/2022 20:05:51	syedsajidwsajid2869@gm	Syed Sajid W	ENG21CS0439	9986274743	PHYSICS
6/11/2022 20:16:56	vinuthav119@gmail.com	Vinutha V	ENG21CS0476	9108228249	CHEMISTRY
6/11/2022 20:21:21	lakshaygusain2323@gma	Lakshay Gusain	ENG21CY0024	8870004607	PHYSICS
6/11/2022 20:32:53	as0077049@gmail.com	Aditya Prakash	ENG21CS0015	6206613401	PHYSICS
6/11/2022 20:34:02	stejas1636@gmail.com	Tejas S	ENG21EC0131	8050450935	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/11/2022 20:51:10	chetandasar7@gmail.com	Veeranag Dasar	ENG21EC0137	8431155722	PHYSICS
6/11/2022 20:51:56	suyogkudachi21@gmail.c	Suyog Kudachi	ENG21EC0124	9535691548	PHYSICS
6/11/2022 20:54:43	aishujp2004@gmail.com	Aishu Shree J P	ENG21CS0019	8073747383	CHEMISTRY
6/11/2022 20:58:59	diptodey4251@gmail.com	Dipto Dey	ENG21CS0118	9598157944	CHEMISTRY
6/11/2022 21:03:19	tarusdixit@gmail.com	Tarus dixit	ENG21CS0526	8223935003	PHYSICS
6/11/2022 21:12:25	vishaljaiswalvj021@gmail	Vishal Kumar	ENG21DS0048	7493949278	PHYSICS
6/11/2022 21:20:59	ankitahegde46@gmail.co	Ankita S Hegde	ENG21CS0045	9611241884	CHEMISTRY
6/11/2022 21:28:02	vishwanathsm74@gmail.c	Vishwanath S M	ENG21EC0145	6366798532	PHYSICS
6/11/2022 21:44:35	vaish231139@gmail.com	Vaishnavi Arya	ENG21CS0460	9162107846	PHYSICS
6/11/2022 21:56:35	vinayvibe7619@gmail.cor	Vinay C	ENG21EC0141	8123675072	PHYSICS
6/11/2022 21:58:26	adityaraj6043@gmail.com	ADITYA RAJ	ENG21CS0016	7322057950	CHEMISTRY
6/11/2022 22:09:04	vilasgowda85@gmail.com	Vilas g Gowda	ENG21CS0475	07676912927	PHYSICS
6/11/2022 22:09:51	vaishnavi.padavu2020@g	Vaishnavi. Padavi	ENG21CS0459	9148970824	PHYSICS
6/11/2022 22:34:35	thilakswathi19@gmail.cor	Swathi.B	ENG21CT0042	8548988401	PHYSICS
6/11/2022 22:55:49	ivanatmelodies@gmail.co	Spandan Das	ENG21CS0520	6360348690	PHYSICS
6/11/2022 22:56:45	usudarshan135@gmail.c	Sudarshan Utnal	ENG21AS0043	7411439857	PHYSICS
6/11/2022 23:57:44	puniithskalyankar2003@g	Punith.s.k	ENG21ME0012	9148913509	PHYSICS
6/12/2022 0:12:34	mukund.prabhu8302@gm	Mukund prabhu	ENG21CS0248	07975262461	CHEMISTRY
6/12/2022 0:29:40	pkreddy2003@gmail.com	Prem Kumar reddy	ENG21DS0031	09632205638	PHYSICS
6/12/2022 1:20:31	athmeeyamj13@gmail.co	Athmeeya M.J	ENG21CS0059	8660034557	CHEMISTRY
6/12/2022 6:46:17	karthya1511@gmail.com	T Karthik	ENG21AS0044	8217076436	PHYSICS
6/12/2022 6:47:09	neo9ninghtynine@gmail.c	Laleeth sachin naik s p	ENG21EC0049	9019354173	PHYSICS
6/12/2022 7:54:18	pananipurusharthp@gma	Panani Purusharth Pande	ENG21AS0030	8431641628	PHYSICS
6/12/2022 8:47:57	jashjk82@gmail.com	Jasmitha JK	ENG21CS0168	8073422691	CHEMISTRY
6/12/2022 8:51:57	mihirshahi142@gmail.cor	Mihir Shahi	ENG21CS0229	07978925701	CHEMISTRY
6/12/2022 9:33:03	dharshandeva07@gmail.c	S Deva Dharshan	ENG21AM0102	8105386476	CHEMISTRY
6/12/2022 10:10:43	mhunais77@gmail.com	Mohammed Hunais	ENG21AM0073	9845290022	PHYSICS
6/12/2022 10:41:41	reddy.sahu18@gmail.com	N Sahana	ENG21CS0258	6366674577	CHEMISTRY
6/12/2022 11:32:04	madinenilikitha7989@gm	M.likitha	ENG21CS0212	7989014313	CHEMISTRY
6/12/2022 11:43:11	devnathg2003@gmail.cor	Devnath G	ENG21AM0030	9482195691	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/12/2022 11:55:39	bhaminiav@gmail.com	Bhamini A V	ENG21CS0072	9632998304	CHEMISTRY
6/12/2022 12:14:09	akhilmr2003@gmail.com	Akhil MR	ENG21CY0005	7259999350	CHEMISTRY
6/12/2022 12:36:52	nishanlikhithips13@gmail	Nishan R	ENG21AS0029	8217470576	PHYSICS
6/12/2022 12:38:55	sg2002suraj4340@gmail.	G S Suraj Rai	ENG21DS0019	9743611305	PHYSICS
6/12/2022 12:49:47	Dnyaneshwarsomvanshi1	Dnyaneshwar Somvanshi	ENG21CS0408	+917349345482	CHEMISTRY
6/12/2022 15:01:23	dhanushkllola@gmail.con	dhanush kallola	ENG21CS0112	9880894242	CHEMISTRY
6/12/2022 15:53:22	srinivasguptha2003@gma	Srinivas	ENG21EC0116	6360754022	PHYSICS
6/12/2022 15:59:51	chinmay.agrawal3125@g	Chinmay Agrawal	ENG21AM0024	8959178438	PHYSICS
6/12/2022 18:07:30	amareshreddyamareshre	M.V.Amaresh Reddy	ENG21CS0209	9959247761	PHYSICS
6/12/2022 18:09:40	shreyahp6@gmail.com	Shreya hp	ENG21CS0385	9686191017	CHEMISTRY
6/12/2022 18:14:14	jigyasha9103@gmail.com	Jigyasha	Eng21cs0509	6204327635	CHEMISTRY
6/12/2022 18:14:31	duranjitbharadwaj@gmail	Duranjit Bharadwaj	ENG21CS0126	7002938395	CHEMISTRY
6/12/2022 18:14:51	boraakash467@gmail.cor	Akash Bora	ENG21CS0022	9395155236	CHEMISTRY
6/12/2022 18:24:43	yashshindey1@gmail.con	Yash Shindey	ENG21CS0484	+917338325459	PHYSICS
6/12/2022 18:27:28	munagalaramasubbaredd	M. Ramasubbareddy	ENG21CS0249	9704057382	CHEMISTRY
6/12/2022 18:48:03	rakshithas2003r@gmail.c	Rakshitha s	ENG21CS0325	9880467911	CHEMISTRY
6/12/2022 19:21:38	sn.nath5625@gmail.com	Sohan Nath	ENG21CS0406	8431275187	CHEMISTRY
6/12/2022 19:28:26	bharathperala8@gmail.cc	Sri Bharath Sharma P	ENG21CS0521	8978636797	PHYSICS
6/12/2022 19:28:54	sathviksithamkar@gmail.(	Sathvik S	ENG21CS0365	7204907679	CHEMISTRY
6/12/2022 19:30:41	ritika.dc2003@gmail.com	Ritika D Chandavarkar	ENG21CS0334	9900845822	CHEMISTRY
6/12/2022 20:10:11	rohanrohit0809@gmail.cc	Rohan Sasidharan	ENG21CS0336	8946002572	CHEMISTRY
6/12/2022 20:10:44	rithviksunil89@gmail.com	Rithvik. S	ENG21CS0332	9108641189	PHYSICS
6/12/2022 20:15:45	chetanbirajdar432@gmail	Chetan birajdar	ENG21EC0016	9923895776	PHYSICS
6/12/2022 20:17:25	vishruthvishu522@gmail.(	Vishruth j	ENG21EC0144	7899655053	PHYSICS
6/12/2022 21:23:20	www.abhiz61@gmail.com	Abhishek Raj A	ENG21CS0006	8123737262	CHEMISTRY
6/12/2022 21:34:29	rohithnv203@gmail.com	Rohith n v	Eng21am0098	9353156141	PHYSICS
6/12/2022 21:55:12	ramlearun@gmail.com	ARUN	ENG21CY0009	6366349131	CHEMISTRY
6/12/2022 22:01:49	savinayjnambiar@gmail.c	Savinay Nambiar	ENG21CS0368	9383404169	PHYSICS
6/12/2022 22:03:24	vishalvinu654@gmail.com	Vishal V	ENG21CS0534	8921966018	PHYSICS
6/12/2022 22:04:34	ishaanthgowda02@gmail	Ishaanth gowda A	ENG21CS0160	8792852052	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/12/2022 22:11:53	dbasak7788@gmail.com	Debaraj Basak	ENG21CS0108	09083449412	CHEMISTRY
6/13/2022 0:24:32	soumyaraj219@gmail.cor	Soumya Raj	ENG21DS0056	+916204917370	CHEMISTRY
6/13/2022 6:30:30	krrakshak12@gmail.com	RAKSHAK K R	ENG21EC0091	9148969466	PHYSICS
6/13/2022 6:42:12	kushanthreddy7@gmail.c	B.Kushanth Reddy	ENG21EC0012	7483561525	PHYSICS
6/13/2022 7:48:09	kitty884780222@gmail.cc	Sairaj	ENG21CY0034	8296571712	PHYSICS
6/13/2022 7:52:41	ashleshbolar@gmail.com	Ashlesh B	ENG21CS0056	7975760076	CHEMISTRY
6/13/2022 8:05:43	shashankp2543@gmail.c	Shashank P	ENG21CS0375	8217025067	CHEMISTRY
6/13/2022 8:35:03	tejasr6061@gmail.com	Tejas R	ENG21EC0130	9900312941	PHYSICS
6/13/2022 8:44:32	aaasuryaleader5@gmail.(	Surya Vignesh S	ENG21CS0507	9600875219	CHEMISTRY
6/13/2022 8:56:02	shreeharidesai48@gmail.	Shreehari Desai	ENG21CS0382	8618169387	CHEMISTRY
6/13/2022 9:08:03	bushanphani435@gmail.(	Phani bushan reddy	ENG21CS0289	8197472879	PHYSICS
6/13/2022 9:31:17	madhu082003@gmail.cor	Madhu Mohan	ENG21CS0211	8073493100	CHEMISTRY
6/13/2022 9:56:36	kritimaniniraju@gmail.con	KRITI MANINI RAJU	ENG21CS0191	+918296889569	CHEMISTRY
6/13/2022 10:50:44	nehaneethu2003@gmail.(	Yendluri Neha	ENG21CS0486	9392474235	PHYSICS
6/13/2022 10:50:56	sandareddysaichandan18	Sanda Reddy Sai chanda	ENG21AM0108	9618965415	PHYSICS
6/13/2022 10:51:09	mithunrs0808@gmail.con	Mithun R S	ENG21CS0230	9042830198	CHEMISTRY
6/13/2022 10:51:11	monishacreddy2003@gm	Monisha c	ENG21CS0243	9980456793	PHYSICS
6/13/2022 10:52:29	manasanp18@gmail.com	NP Manasa	ENG21CS0254	9591461179	PHYSICS
6/13/2022 11:10:13	a.parinitha464@gmail.cor	A. Parinitha	23	7619345106	PHYSICS
6/13/2022 11:45:03	swathivedith@gmail.com	Swathi s	ENG21CT0043	9606836221	PHYSICS
6/13/2022 11:57:35	sanjoj658@gmail.com	Sanjo Joseph	ENG21CS0360	8951748267	CHEMISTRY
6/13/2022 12:01:58	farzan4611@gmail.com	Farzan Ahmad	ENG21DS0050	7070997625	PHYSICS
6/13/2022 12:15:47	jaikarthik8305@gmail.con	Challa Jaya Karthik	ENG21AM0021	9177100749	PHYSICS
6/13/2022 12:40:44	kushalreddy203@gmail.c	KUSHAL REDDY V	ENG21CS0194	7899989071	CHEMISTRY
6/13/2022 12:42:14	sharmasiddhant2002@gn	Siddhant Sharma	ENG21CY0041	7903529740	PHYSICS
6/13/2022 12:55:19	subhodhbijjur@gmail.com	Subhodh Bijjur	ENG21CS0419	9902466126	CHEMISTRY
6/13/2022 13:01:09	nnnar1953@gmail.con	Narendra Kumar H	Eng21cy0019	9886330763	PHYSICS
6/13/2022 13:10:41	charithcharithrm@gmail.c	Yogeshwar R	ENG21EC0148	8088323694	PHYSICS
6/13/2022 13:14:31	maddikeradeepak@gmail	Maddikera Deepak reddy	ENG21CY0025	90552260608	PHYSICS
6/13/2022 13:18:21	tarunreddyrtr7@gmail.cor	Tarun Reddy R	ENG21CS0525	8197099662	PHYSICS

Timestamp	Email Address	NAME	USN	CONTACT NUMBER	CYCLE
6/13/2022 13:28:16	msreenivasulareddy495@	Maram Reddy Sreeni Vas	ENG21CS0224	9441815482	CHEMISTRY

LAPLACE TRANSFORM RE-BRUSH

* The main objective of this class is to provide short-term learning assistance in Laplace Transforms
* Classes are starting from MONDAY(13.06.2022) to MONDAY(20.06.2022)
* Timings: 3.45pm to 5.00pm

* Required

1. Email *

2. NAME *

3. USN *

4. CONTACT NUMBER *

5. CYCLE *

Mark only one oval.

- ◯ PHYSICS
- ◯ CHEMISTRY

This content is neither created nor endorsed by Google.

Google Forms

2.2 Catering to Student Diversity

The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

School of commerce and management studies offers a variety of programs to meet the needs of advanced and slow students. A rigorous assessment will be conducted by the department on student's academic performance, communication skills, confidence and non verbal communication, critical thinking, student's ability to learn, general awareness and technical awareness.

In the below table Green Color highlighted scores are of advanced learners and they are assisted to do few Certificate courses in domain areas, and research papers are written with the assistance of faculty members, Small projects are also conducted with assistance of faculty members.

In the below table Red Color highlighted scores are slow learners and they are helped in the below areas:

- Soft Skills- Communication, Time Management, Public Speaking
- General Knowledge
- Functional Knowledge- Develop 50 FAQs and help the students to answer for the same
- Critical Thinking
- Personality Development – Interpersonal Skills, Etiquettes and Grooming
- Mentoring, remedial lessons, and make-up tests are given to them.

DSU MBA Student Assessment -Scores

Legend	Number of Students
Star Performers	29
Good Performers	40
Weak Performers	36
	105

S No	Name	Academic Performance (20)	Communication Skills (15)	Confidence & Non-verbal (8)	Critical Thinking (10)	Internships (10)	Projects (6)	Ability to Learn	Gen Awareness (10)	Tech Awareness (6)	Extra Curricular (5)	Overall (100)

								(10)				
15	Anup P Machado	17	12	5	8	5	4	8	7	6	5	78
17	Abhishek Channavar	18	14	7	7	5	3	6	7	4	5	78
14	K M Pavan Kumar	15	12	6	8	10	0	8	8	4	5	76
19	Anusha J	20	14	6	8	2	3	5	7	4	5	75
24	Anushree Das	19	13	8	6	10	0	9	2	2	5	73
28	Utkarsh Kumar Srivastava	13	13	7	6	10	0	9	9	4	2	73
32	B S Arpitha	20	14	8	8	0	6	9	0	6	3	73
21	Cephas R	10	10	6	5	10	5	8	6	6	5	71
23	Shashank R Pujar	17	12	5	7	3	4	6	5	6	4	70
30	Ashwitha K J	19	12	5	6	5	4	6	5	4	2	69
31	Shilpa Shree	18	12	4	6	5	3	6	7	4	3	69
1	Manisha S	15	12	7	7	6	4	6	5	4	3	68
2	H B Heena	15	12	7	7	6	4	6	5	4	3	68
35	Sabiha Tameem M	14	12	6	6	10	6	6	0	4	5	68
3	Ritvika Pandey	14	11	6	6	6	4	7	6	4	4	68
26	Sujith Kumar	15	12	7	6	0	5	8	7	3	4	67
29	Veersh Kumar B Navalli	12	10	5	6	8	5	7	5	4	5	67
27	Lekhashree B	18	12	6	8	0	0	8	8	4	3	67
4	Pooja Karni	14	12	5	6	7	4	6	6	4	3	67
5	Vinod Kumar K	14	12	6	6	6	4	6	6	4	3	67
6	Sheetal Inani	14	11	6	6	7	4	7	6	4	3	67
40	Bhargava K	14	8	4	7	10	6	9	1	3	5	67
33	Abhijith Bhat S	10	12	6	8	10	5	0	6	5	4	66
43	Vaishnavi S	15	12	8	8	4	0	7	3	4	4	66
47	Anand S	20	13	7	8	0	0	9	4	2	3	66
7	G V S Ruchitha	14	11	6	5	7	4	7	6	4	3	66

8	Ramya Rekha Raja	15	12	6	7	6	0	7	7	4	3	66
9	Priya M R	14	11	6	6	7	5	6	5	3	3	66
10	Nagaveni	14	12	7	7	6	3	7	5	3	3	66
11	Vaishnavi D R	13	12	6	6	7	4	6	5	3	3	65
12	Bindu S	13	12	6	6	7	4	6	5	3	3	65
34	Mukul M	12	10	6	7	10	0	7	4	4	5	65
48	Girish Parameshwar Bhat	19	12	7	9	0	0	9	7	3	0	65
13	Venisha Alva	14	12	7	7	6	3	6	5	3	3	64
41	Mukund Harsha	15	7	6	7	7	4	5	3	4	4	64
36	Pavithra M	15	12	6	5	5	8	4	2	2	4	63
42	E N Dharani	18	12	5	4	0	0	6	8	4	5	63
38	Chaitra M Bandikatte	16	12	6	7	0	0	7	6	3	5	62
16	Nayeem Banu	13	10	6	5	6	4	6	6	3	3	62
18	Ramyapriya A	14	10	6	5	6	3	6	5	3	2	60
20	Shamaz Ahamed	12	10	6	5	6	3	6	6	3	3	60
45	Sharanya	15	10	4	4	0	6	6	6	4	5	60
56	Sharath J	18	9	6	7	0	0	8	8	3	2	59
62	Megha C	20	11	7	6	0	0	9	0	3	3	58
22	Prajwal P S	13	10	7	7	0	0	7	7	4	4	58
57	Vashista Bhat Kainthaje Satyarama	14	13	6	7	0	3	0	5	5	3	57
51	Sahana S	10	11	6	6	0	0	7	8	3	5	56
52	vishanth Floid Psouza	14	8	4	7	0	6	6	5	3	3	56
25	Veeradi Sai Sushmitha	13	10	5	5	6	0	5	5	3	3	56
60	Chandrala S Albur	18	12	5	6	0	0	6	2	4	2	56
64	Jude David D	19	8	5	6	0	3	2	4	3	4	56
61	Santhosh S	17	10	6	5	0	0	5	4	3	5	55
53	Mohammed Saif	10	12	7	8	0	0	8	2	4	4	55
54	Hema Shree S	15	10	5	5	5	0	5	6	2	2	55
58	Nagaraj Deepak Patagar	12	8	5	4	0	5	7	5	3	5	54

59	Shashank Raj M	12	12	5	6	0	0	5	6	2	5	53
63	Ashwini S	10	12	6	7	0	0	7	6	3	2	53
69	Gaganashree A	14	10	5	7	0	4	4	2	3	3	53
70	Deeksha K Uchil	17	8	3	5	4	3	5	2	2	2	53
65	Yashas S M	15	8	6	5	0	0	7	4	4	3	52
66	Trinay P	10	12	5	5	0	0	7	6	3	4	52
67	Nithin Kumar K	10	6	3	3	8	6	6	4	3	3	52
37	Y Sai Kumar	12	10	6	6	0	0	6	6	4	3	52
68	Ajay Harkadu	12	10	5	4	0	2	6	5	5	2	51
39	K Pavithra	12	9	4	5	4	0	6	4	4	3	51
44	Santosh C	13	9	5	6	0	0	6	6	3	3	50
46	Sumukha S Nayak	13	11	5	6	0	0	5	5	3	3	50
74	Lal Sagar Dilip Kumar	12	9	4	6	0	4	6	2	2	4	50
76	Jainika Shah	11	11	3	2	6	4	6	1	2	3	50
72	Anil Kumar	19	7	3	5	0	0	4	3	4	3	49
49	Syed Ibrahim	12	10	5	3	0	0	6	6	4	3	48
78	Prince Kumar	13	6	3	6	0	0	5	6	3	4	47
81	Vinitha N	11	8	6	6	0	0	6	6	4	2	47
73	Darshan J M	15	7	4	3	0	4	4	3	2	5	47
50	Harsha Rajaram Dirit	11	9	5	5	0	0	5	6	4	2	47
84	Prtheeksha P	13	11	4	0	0	0	7	0	7	4	46
80	Suryaprakash K M	17	8	4	5	0	0	5	1	5	0	46
55	Ashoka R	13	5	3	6	0	0	6	6	4	3	45
75	Niranjan Shrikant Bhat	15	5	3	3	0	0	6	7	3	3	45
77	Meghana V	15	8	4	3	0	0	4	4	3	4	45
83	Harshitha R	18	7	4	3	0	0	4	2	2	3	44
79	Srujana I A	15	6	4	3	0	0	4	4	3	5	44
87	Sanjukumar R Karjinni	11	6	2	2	0	6	6	6	3	3	44
85	Abhinandan	16	6	5	3	0	0	3	4	2	3	43
82	Abhishek J G	10	8	4	4	0	0	6	5	3	3	43

89	Allampalli Vinay	13	7	3	4	6	3	2	0	2	2	43
92	Manasa H M	17	7	3	6	0	0	7	0	3	0	42
86	Bhupathi M	10	6	4	4	0	0	5	5	4	3	41
88	Harshitha N P	16	7	4	4	0	0	2	3	4	0	41
91	Channa Reddy L	15	6	4	4	0	2	0	4	3	2	41
71	Vinith Sarathi H P	13	8	3	3	2	0	3	3	3	2	40
90	Harish C	15	6	3	3	0	0	3	4	2	3	39
93	Manjunath	13	4	3	3	3	2	2	3	3	1	38
32	Jatin Rajauria	5	10	5	3	0	0	4	3	3	5	38
96	Vinay H M	12	7	3	0	0	6	2	2	2	2	37
94	Chaithra R	8	8	3	4	0	0	3	4	3	3	36
95	Neelaashree Y H	18	5	3	2	0	0	2	2	2	1	36
98	Ashwal K P	11	8	3	0	0	0	3	3	2	4	35
97	Adarsh Nair	12	6	3	3	0	0	4	3	2	1	35
99	Manoj S H	10	9	3	2	0	0	3	2	2	0	31
101	Abinash Gogoi	11	6	2	0	0	0	3	0	2	3	28
100	Soumojit Ghosh	11	7	3	0	0	0	3	0	3	0	27
102	Kristipati Syed Mohammed Faheem	10	6	1	1	0	0	2	0	2	4	26
103	Vishal Kumar Soni	14	5	2	0	0	0	0	2	1	0	24
104	Gagana P	11	6	3	0	0	0	2	0	1	0	23

http://www.dsu.edu.in

---------- Forwarded message ---------
From: **Prof. Anant Pophali** <anant.pophali@dsu.edu.in>
Date: Sun, Jun 5, 2022 at 6:17 PM
Subject: Student Assessments on June 8 - 10, 2022
To: Prof. Anant Pophali <anant.pophali@dsu.edu.in>
Cc: Dean Post Graduate Management Programs <dean-cee@dsu.edu.in>, Mohan Srinivasan <mohan.sri@dsu.edu.in>, Dr. Anita Mathew <anita.mathew@dsu.edu.in>, Mr.Raghavendra Rao <raghav@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>, Prof. Solai Baskaran <solai.b@dsu.edu.in>, Prof. Sanjay K <sanjay.k@dsu.edu.in>, Prof. Himanshu Joshi <joshi@dsu.edu.in>

Dear Students,

This is in continuation of the session we had on Friday to discuss the assessments, which have been scheduled from 8th to 10th June (three days) this week.

Please note below carefully:

1. All students are required to prepare their resumes using the attached resume template.Please note that the text in each section of the template is only an example and will need to be changed by you.
2. Please also find two small cases attached. As instructed in the class, each student is required to prepare 2-3 powerpoint slides on each case, covering the following:
    - Summary of the case/ article
    - Your learning from the case/ article

Please ensure you prepare your own slides and do not copy from others. You may include slides for both the cases in a single powerpoint presentation.

3. You also need to record a 2-3 minutes video introduction of yours in formal attire.

The resume, case presentations and the video introduction will need to be stored in the mentorship folder assigned to you on google drive, before your scheduled assessment.

Please also see the assessment schedule attached and note your assessment timeslot, room number and panel. You will need to make yourself available 30 minutes prior to your slot and wait for the panel to call you.

When called by the panel, each student will be required to play their video introduction followed by presentation of their resume and the case studies. Please make sure all the three files are uploaded to your mentorship folder in advance.

Lastly, please ensure you are professionally dressed for this important exercise.

Attendance is mandatory.

Regards,
Anant

Prof. Anant Pophali
Director - Corporate Relations (Management Schools)
& Associate Professor

Dayananda Sagar University,
Innovation Campus, Kudlu Gate,
Hosur Main Road, Bangalore 560 068
Tel # : +91 80 49092990
Mobile: +91 98809 32611
Email: anant.pophali@dsu.edu.in

Dayananda Sagar University Bengaluru

http://www.dsu.edu.in

5 attachments

MBA Student Resume - Template.docx
52K

Is Ethics in Business Possible.pdf
129K

Will a Banks New Technology hurt or help the morale.pdf
441K

MBA (2021-23)-Sem-3-Assessment-Schedule-June-2022.xlsx
42K

DSI-MBA-Student-Assessment-MBA-Sem-II-Jun-2022 - Final.xlsx
30K

Prof. Anant Pophali <anant.pophali@dsu.edu.in> Sat, Jun 11, 2022 at 11:31 AM
To: Dean Post Graduate Management Programs <dean-cee@dsu.edu.in>, "Dr. Anita Mathew" <anita.mathew@dsu.edu.in>, Mohan Srinivasan <mohan.sri@dsu.edu.in>, "Prof. Solai Baskaran" <solai.b@dsu.edu.in>, "Prof. Himanshu Joshi" <joshi@dsu.edu.in>, "Dr. Padmalatha SOCM" <drpadmalatha-socm@dsu.edu.in>, shweta tewari <shweta.tewari@dsu.edu.in>, Praveen Sai <saipraveen@dsu.edu.in>, Pavithra Salanke <pavithra.s@dsu.edu.in>, Chandan K L <chandan@dsu.edu.in>, Ramesh Murthy <ramesh.murthy@dsu.edu.in>, Nisha Goyal <nisha.goyal@dsu.edu.in>, "Mr. Alok Chakravarty" <alok_chakravarty@dsu.edu.in>, "Prof. Sanjay K" <sanjay.k@dsu.edu.in>, "Dr. Suresh R" <drsuresh-socm@dsu.edu.in>
Cc: VV Rajan <vvrajan@dsu.edu.in>, "Mr.Raghavendra Rao" <raghav@dsu.edu.in>

Dear All,

Please see attached the consolidated assessment results (scores). Please also see a very high level analysis of assessment scores.

Dayananda Sagar University

School of Engineering

Department of Mechanical Engineering

Slow Learners – Report

Course Code / Course Name: 16ME206-ENGINEERING MATERIALS **Year: 2019-2020**

S.No	USN	Name	Exam Marks (IA 1/ IA 2/ IA 3/ CBT)	Improvement class		Total Number of Classes attended	Marks in (IA 2/ IA 3/ CBT/ Univ)	Remarks
				Date 02.03.2020 Time 05.00-06.00 PM	Date 03.03.2020 Time 05.00-06.00 PM			
1.	ENG18ME0002	AKASH M N	20	present	present	2	46	Marks improved
2.	ENG18ME0005	ANANDA S	20	present	present	2	45	Marks improved
3.	ENG18ME0007	ANNE SIMRAN JOSHUA	21	present	present	2	42	Marks improved
4.	ENG18ME0011	BHARATH YADAV B R	AB	present	present	2	49	Marks improved
5.	ENG18ME0013	CHANNABASAVA	AB	present	present	2	45	Marks improved
6.	ENG18ME0014	CHINMAY DATTATRAYA BHAT	21	present	absent	1	37	Marks improved
7.	ENG18ME0015	DARSHAN K	18	present	present	2	20	Marks improved
8.	ENG18ME0016	DEEKSHA N V	10	present	present	2	50	Marks improved
9.	ENG18ME0017	DERIN C JOHN	21	present	present	2	47	Marks improved
10.	ENG18ME0018	DHARANISH D	13	present	present	2	48	Marks improved
11.	ENG18ME0019	DHARSHAN G	14	absent	present	1	48	Marks improved
12.	ENG18ME0023	HIMALAYAN SHARMA	16	present	present	2	36	Marks improved
13.	ENG18ME0025	K SAI TARUN REDDY	AB	present	present	2	49	Marks improved
14.	ENG18ME0027	KAMALA KANNAN N	24	present	present	2	46	Marks improved
15.	ENG18ME0028	KARTHIK LAKSHMAN	18	present	present	2	47	Marks improved
16.	ENG18ME0030	LIKITH M KRISHNA	AB	present	present	2	49	Marks improved
17.	ENG18ME0031	MAHESH CHANDRA S	AB	present	present	2	45	Marks improved
18.	ENG18ME0053	SAMRUDDI B K	AB	present	present	2	47	Marks improved
19.	ENG18ME0064	SNEHA S	AB	present	present	2	46	Marks improved
20.	ENG18ME0069	TEJASHWI K J	AB	present	present	2	37	Marks improved
21.	ENG18ME0071	VAISHNAVI VIJAY	08	present	present	2	48	Marks improved

22.	ENG18ME0077	YASHWIN S S	05	**present**	**present**	**2**	49	Marks improved
23.	ENG19ME1002	DEEPAK V	08	**present**	**present**	**2**	47	Marks improved
24.	ENG19ME1003	DHEERAJ ASHOK NAYAK	08	**present**	**present**	**2**	49	Marks improved
25.	ENG19ME1004	GIRISH	17	**present**	**present**	**2**	50	Marks improved
26.	ENG19ME1007	JAGADISH PATIL	10	**present**	**present**	**2**	50	Marks improved
27.	ENG19ME1009	KARTIK PRAKASH IYER	AB	**present**	**present**	**2**	50	Marks improved
28.	ENG19ME1010	KRISHNA SHARMA V	08	**present**	**present**	**2**	48	Marks improved
29.	ENG19ME1011	KUMAR GANACHARI	04	**present**	**present**	**2**	48	Marks improved
30.	ENG19ME1014	MEGHANA S S	04	**present**	**present**	**2**	48	Marks improved
31.	ENG19ME1015	MITHAN B RAJ	24	**present**	**absent**	**1**	49	Marks improved
32.	ENG19ME1018	PAVAN H	10	**present**	**present**	**2**	49	Marks improved
33.	ENG19ME1019	PAWAN N	12	**present**	**present**	**2**	49	Marks improved
34.	ENG19ME1020	PRIYA M P	AB	**present**	**present**	**2**	41	Marks improved
35.	ENG19ME1023	SATYA CHARAN V	06	**present**	**present**	**2**	40	Marks improved

Faculty Signature:

Chairman/Mechanical

Dayananda Sagar University Bangalore-78

Faculty Name: Dr.Manoj.S

Dayananda Sagar University

School of Engineering

Department of Mechanical Engineering

Advanced Learners – Project Report

Course Code / Course Name: 16ME206-ENGINEERING MATERIALS **Year: 2019-2020**

DESIGN AND ANALYSIS ON SWEPT BACK WING USING HAFNIUM CARBIDE

Karuna.M.Mugabast - ENG18ME0029

Department of Mechanical Engineering, Dayananda Sagar University, Bangalore, Karnataka, India

e-mail: karuna2000mugabast7@gmail.com

Abstract

Wing is one of the essential components of the aircraft. This is inclined at some angle of attack. The lift of the air craft is generated, when it is exposed to different pressures on the top and bottom surface of the wing. The main purpose of this study is to analyse the swept back wing of the hypersonic air plane or transonic air plane using hafnium carbide as skin, which can shield the plane from heat generated by friction between air and the plane surface. The wing is designed using the Auto desk fusion 360 software and Finite Element Analysis (FEA) in the structural analysis (stress, safety factor, heat resistance, etc.) is done with the help of Auto Desk Fusion 360 software.

Keywords: hafnium carbide, Auto desk fusion 360, Finite Element Analysis (FEA).

Introduction

HAFNIUM CARBIDE

Hafnium carbide (HfC) is a chemical compound of hafnium and carbon.Hafnium carbide powder is obtained by the reduction of hafnium (IV) oxide with carbon at 1800 to 2000 °C. A long processing time is required to remove all oxygen. Alternatively, high-purity HfC coatings can be obtained by chemical vapour deposition from a gas mixture of methane, hydrogen, and vaporized hafnium(IV) chloride.HfC has about 60 percent the density of metal alloys, so critical rocket, missile and aerospace components made with HfC composites would be correspondingly lighter.

Properties of hafnium carbide

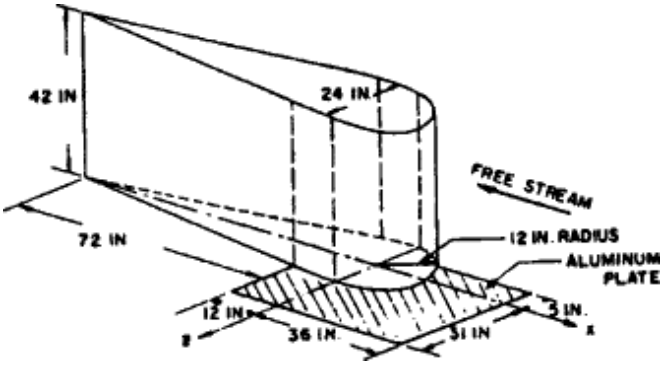
Molar Mass: 190.54 g/mole	Density: 12.7 g/cm3
Melting Point: 3890°	Boiling Point: 4600°C
Electrical Resistivity: 37-45 μΩ·cm	Hardness: 2300 kg/mm2
Poisson's ratio: 0.18	Young's Modulus: 350-510 GPa
Thermal Conductivity: 22 W/m·°C	Specific Heat: 0.20 J/g·

Swept back wings

Swept back wings technology was introduced to solve this instability and vibration in supersonic jets at high speed. Wings are angled towards the back end, which creates an imaginary increase in wing length. This creates an "illusion" for the air that the plane is moving slower than actually it is

BODY OF THE PAPER

The design of the wing was done using Autodesk fusion 360. The dimension are taken from the Google. Which is as specified in the below picture.



Thermal stress analysis was done on the model using Autodesk fusion 360 where in the default material was created using the mechanical properties of the hafnium carbide.

Conclusion

Study Report

Analysed File swept back wing 2 V FINAL v2
Version Autodesk Fusion 360 (2.0.6516)
Creation Date 2019-10-21, 15:50:08
Author student
Project Properties
Title Studies
Author student
Simulation Model 1:1
Study 1 - Thermal Stress
Study Properties
Study Type Thermal Stress
Last Modification Date 2019-10-17, 19:41:57
Settings
General
Contact Tolerance 0.1 mm
Remove Rigid Body Modes No
Reference Temperature 20 C
Mesh
Average Element Size (% of model size)
Solids 3
Scale Mesh Size Per Part No
Average Element Size (absolute value) -
Element Order Parabolic
Create Curved Mesh Elements Yes
Max. Turn Angle on Curves (Deg.) 60
Max. Adjacent Mesh Size Ratio 1.5
Max. Aspect Ratio 10
Minimum Element Size (% of average size) 20
Adaptive Mesh Refinement
Number of Refinement Steps 0
Results Convergence Tolerance (%) 20
Portion of Elements to Refine (%) 10
Results for Baseline Accuracy Von Mises Stress
Materials
Component Material Safety Factor
Body1 Aluminum 5083 87 Cold Formed Yield Strength
Aluminium 5083 87 Cold Formed
Density 1.22E-05 kg / mm^3
Young's Modulus 352004 MPa
Poisson's Ratio 0.18

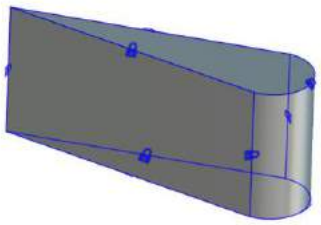
Yield Strength 125 MPa
Ultimate Tensile Strength 432 MPa
Thermal Conductivity 0.0022 W / (mm C)
Thermal Expansion Coefficient 6.73E-06 / C
Specific Heat 100 J / (kg C)
Contacts
Mesh

Type	Nodes	Elements
Solids	23291	15324

Load Case1
Constraints
Fixed1

Type	Fixed
Ux	Yes
Uy	Yes
Uz	Yes

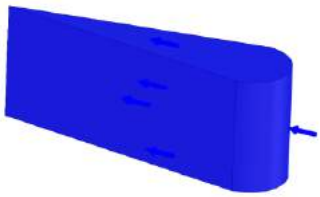
Selected Entities



Loads
Force1

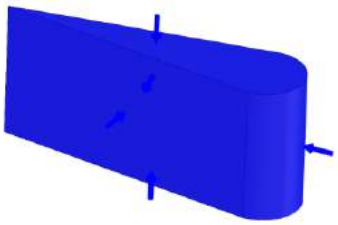
Type	Force
Magnitude	300 N
X Value	-300 N
Y Value	0 N
Z Value	0 N
X Angle	0 deg
Y Angle	0 deg
Z Angle	0 deg
Force Per Entity	Yes

Selected Entities

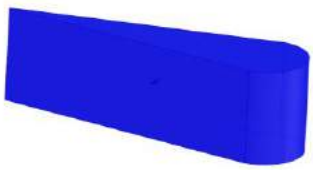


Force2

Type Force
Magnitude 300 N
X Value 0 N
Y Value 0 N
Z Value 300 N
Force Per Entity No
Selected Entities



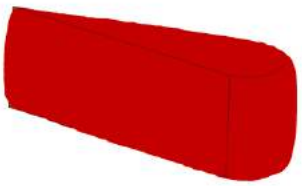
Applied Temperature1
Type Applied Temperature
Value 3900 C
Selected Entities



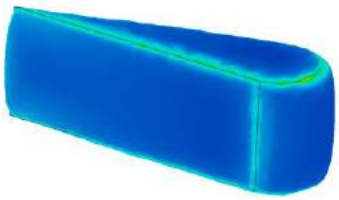
Results
Result Summary

Name	Minimum	Maximum
Safety Factor		
Safety Factor (Per Body)	7.665E-04	15
Stress		
Von Mises	1.605E-08 MPa	163088 MPa
1st Principal	-24295 MPa	15176 MPa
3rd Principal	-183733 MPa	-3006 MPa
Normal XX	-183515 MPa	13851 MPa
Normal YY	-59967 MPa	12092 MPa
Normal ZZ	-80584 MPa	9958 MPa
Shear XY	-23909 MPa	23387 MPa
Shear YZ	-46055 MPa	45999 MPa
Shear ZX	-57339 MPa	56287 MPa
Displacement		
Total	0 mm	17.29 mm
X	-17.24 mm	16.16 mm

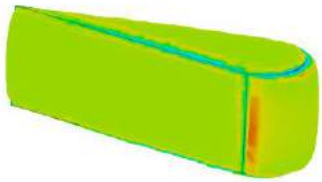
Y	-7.743 mm	7.73 mm
Z	-10.47 mm	10.38 mm
Reaction Force		
Total	0 N	8.056E+07 N
X	-5.59E+07 N	2.671E+07 N
Y	-5.725E+07 N	5.745E+07 N
Z	-5.504E+07 N	5.543E+07 N
Strain		
Equivalent	8.303E-14	0.5012
1st Principal	8.811E-14	0.2433
3rd Principal	-0.5631	0.01671
Normal XX	-0.4705	0.06962
Normal YY	-0.1121	0.1276
Normal ZZ	-0.1383	0.06411
Shear XY	-0.1603	0.1568
Shear YZ	-0.3088	0.3084
Shear ZX	-0.3844	0.3774
Temperature		
Temperature	3900 C	3900 C
Heat Flux		
Total	2.545E-19 W / mm^2	1.766E-16 W / mm^2
X	-2.406E-17 W / mm^2	3.857E-17 W / mm^2
Y	-1.723E-16 W / mm^2	4.219E-17 W / mm^2
Z	-2.697E-17 W / mm^2	2.513E-17 W / mm^2
Thermal Gradient		
Total	1.157E-16 C / mm	8.026E-14 C / mm
X	-1.753E-14 C / mm	1.093E-14 C / mm
Y	-1.918E-14 C / mm	7.83E-14 C / mm
Z	-1.142E-14 C / mm	1.226E-14 C / mm
Applied Heat Flow		
Applied Heat Flow	0 W / mm^2	0 W / mm^2
Safety Factor		
Safety Factor (Per Body)		
0 8		



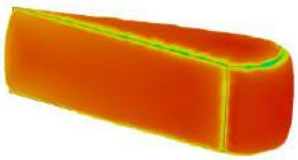
Stress
Von Mises
[MPa] 0 163088



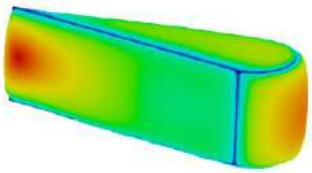
1st Principal
[MPa] -24295 15176



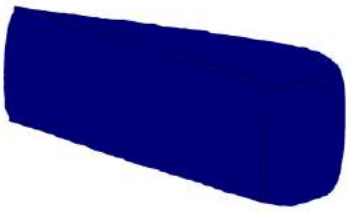
3rd Principal
[MPa] -183733 -3006



Displacement
Total
[mm] 0 17.29



Temperature
Temperature
[C] 3900 3900



REFERENCES

[1] http://www.azom.com/details.asp?ArticleID=2292

[2] http://www.mdatechnology.net/techsearch.asp?articleid=648

[3] http://www.reade.com/Products/Carbides/hafnium_carbide.html

[4] Normal spectral emittance of crystalline transition metal carbides, William A. Mackie, Pete Carleson, Janice Filion, C. H. Hinrichs, Journal of Applied Physics, Volume 69, Number 10 (May 15, 1991), pp 7236 – 7239

[5] United States Patent Application 20020165332; Kind Code A1; Pope, Edward J. A. ; et al., November 7, 2002, Preceramic polymers to hafnium carbide and hafnium nitride ceramic fibers and matrices

[6] United States Patent Application 20020142148 Kind Code A1 Hilmas, Gregory E. ; et al., October 3, 2002, Continuous composite coextrusion methods, apparatuses, and compositions United States Patent 4,825,647, Cann, May 2, 1989, Performance improvements in thruster assembly

[7] M. M. Opeka, I. G. Talmy, E. J. Wuchina, J. A. Zaykosky and S. J. Causey, "Mechanical, Thermal, and Oxidation Properties of Refractory Hafnium and Zirconium Compounds", PII: S0955-2219(99) 00129-6. E. J. Wuchina and M. M. Opeka, "Oxidation of Hf-Based Ceramics", Electrochemical Society Proceedings Volume 99-38 pp. 477-488

[8] https://www.esa.int/gsp/ACT/doc/ARI/ARI%20Call%20doc/Study%20descriptions/ARI_study_06-3201.pdf

[9] https://en.wikipedia.org/wiki/Hafnium(IV)_carbide

Dayananda Sagar University

Kudlu gate,Hosur Main Road, Bangalore-560068

CIRCULAR

Dated: 4-3-2021

All the B.Tech., Ist SEM students are hereby informed that, those who have scored less than 20 marks out of 50 in mid-term examinations, should mandatorily take/appear special classes conducted on 8th , 9th , 11th ,15th , 16th ,18th ,22nd ,23rd and 25th March,2021.

- **Makeup/Improvement test will be conducted during the last week of March 2021.** All the students must attend re-test without fail.

(Dr.K.Vijaya Kumar)
Professor& Chairman
Dept.of Physics
School of Engineering
Dayananda Sagar University

Chairman
Department of Physics
Dayananda Sagar University
Kudlu Gate, Bengaluru - 560 068

USN	Mid-term (50)	Mid-term (20)	Improvement test (50)	Improvement test (20)	CBT (15)	Assignment and lab (25)	Total (CIA)
ENG20CS0003		0	9	4	8	22	33
ENG20CS0004	30	12	30	12	10	24	46
ENG20CS0007	34	13.6	34	14	12	24	50
ENG20CY0004	17	6.8	20	8	12	24	44
ENG20CS0017	15	6	20	8	9	24	40
ENG20CS0018	16	6.4	20	8	6	23	37
ENG20CS0034	31	12.4	31	13	9	24	45
ENG20CS0056	43	17.2	43	18	11	25	54
ENG20CT0007	18	7.2	18	8	9	24	41
ENG20CS0064	32	12.8	32	13	7	25	44
ENG20EC0021	35	14	35	14	8	24	46
ENG20CT0017	24	9.6	24	10	11	24	44
ENG20CS0258	46	18.4	46	19	12	25	55
ENG20CY0030		0	5	2	7	20	28
ENG20CS0311		0	16	7	8	24	38
ENG20CS0347	32	12.8	32	13	6	25	44
ENG20CS0350	25	10	25	10	10	24	43
ENG20CS0379	43	17.2	43	18	10	24	52
ENG20CS0387	30	12	30	12	10	23	45
ENG20CT0029	26	10.4	26	11	9	23	43
ENG20CS0397	35	14	35	14	8	24	46
ENG20CS0399	9	3.6	10	4	11	24	38
ENG20CS0400	31	12.4	31	13	11	23	47
ENG20CS0414	16	6.4	20	8	10	23	41
ENG20CS0417	31	12.4	31	13	6	24	43

Chairman
Department of Physics
Davananda Sagar University

Attendance for remedial classes for students who scored less than 20/50 in Mid-term test

Section B3; March 2021

USN	8th Mar	9th Mar	11th Mar	15th Mar	16th Mar	18th Mar	22nd Mar	23rd Mar	25th Mar	Attendance %
ENG20CS0205	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
ENG20CS0399	Y	Y	N	Y	Y	Y	Y	Y	Y	89
ENG20CS0230	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
ENG20CS0359	Y	Y	N	Y	Y	Y	Y	Y	Y	89
ENG20CS0085	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
ENG20CS0137	Y	Y	Y	Y	N	Y	Y	Y	Y	89
ENG20CT0012	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
ENG20CS0168	Y	Y	Y	N	Y	Y	Y	Y	Y	89
ENG20CS0017	Y	Y	Y	Y	Y	Y	Y	Y	Y	100
ENG20CS0112	Y	Y	Y	Y	N	Y	Y	Y	Y	89
ENG20CS0018	Y	Y	N	Y	N	Y	Y	Y	Y	78
ENG20CS0414	Y	Y	Y	Y	Y	Y	N	Y	Y	89
ENG20CY0004	Y	N	Y	Y	N	Y	Y	Y	Y	78
ENG20CT0007	Y	Y	Y	Y	Y	N	Y	Y	Y	89
ENG20CS0224	Y	Y	N	Y	Y	Y	N	Y	Y	78
ENG20CS0194	N	Y	Y	Y	Y	Y	Y	Y	Y	89

Chairman
Department of Physics
Dayananda Sagar University
Kudlu Gate, Bengaluru - 560 068

DAYANANDA SAGAR UNIVERSITY

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560 111.

Name	VIVEK · BELAGALI	U.S.N.	ENG20CS0414.
Branch	CSE ·	Sem. / Year	1st year.
Course Title	Engineering physics	Course Code	20EN1107 ·

Test	Date	Signature of Invigilator		Marks Obtained	Signature of Valuator
1st-IA	26/02/21			16	RD 29/2/2021

Average Marks : 16/50

I confirm the average marks as

VBB 29/02/21

Signature of the Student with Date

RD 29/2/2021

Signature of the Faculty Member with Date

Signature of the Chairman

DAYANANDA SAGAR UNIVERSITY

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560 111.

Name	VIVEK BELAGALI	U.S.N.	ENG20CS0414
Branch	Btech CSE.	Sem. / Year	1st year.
Course Title	Engineering physics.	Course Code	20EN1107

Test	Date	Signature of Invigilator		Marks Obtained	Signature of Valuator
I st - IA Improvement	30/3/21			33	
			Truncated	11	
				20	31/3/2021

Average Marks : 20/50

I confirm the average marks as

VB 30/3/21

Signature of the Student with Date

31/3/2021

Signature of the Faculty Member with Date

Signature of the Chairman

Dayananda Sagar University

Innovation Campus, Kudlu Gate, Hosur Road,
Bengaluru - 560 068

Date: 08/07/2022

Circular

All the B. Tech., Ist SEM students are hereby informed that, those who have scored less than 20 marks out of 50 in first internal examinations, should mandatorily take/appear special classes conducted on 11th,12th,13th,14th,15th, 18th,19th,20th,21th, and 22th July, 2022.

Markeup/ Improvement test will be conducted during the first week of August 2022.

(Dr. K. Vijaya Kumar)
Professor & Chairman
Department of Physics
School of Engineering
Dayananda Sagar University

Chairman
Department of Physics
Dayananda Sagar University
Kudlu Gate, Bengaluru - 560 068

Attendance for the remedial classes for students who has scored less than 20/50

S.No.	USN	Student	11	12	13	14	15	18	19	20	21	22	Attendance %
1.	ENG21AS0003	ADARSH M	1	0	1	1	1	1	1	0	1	1	80
2.	ENG21AS0037	ROHAN BALRAM PATEL	1	0	0	1	1	1	1	1	1	0	70
3.	ENG21ME0011	PRANAV CHINTHALA	1	1	1	1	1	1	1	1	1	1	100
4.	ENG21EC0127	SYED OMAR	1	0	0	1	1	1	1	1	1	0	70
5.	ENG21EC0137	VEERANA G DASAR	1	0	1	1	1	1	1	0	1	1	80
6.	ENG21ME0004	DAVID KOLA	1	0	0	1	1	1	1	1	1	0	70
7.	ENG21AS0040	SAMUEL U	1	0	1	1	1	1	1	0	1	1	80
8.	ENG21EC0130	TEJAS R	1	0	0	1	1	1	1	1	1	0	70
9.	ENG21ME0016	SYED SHAMSULLA	1	1	1	1	1	1	1	1	1	1	100
10.	ENG21EC0144	VISHRUTH J	1	0	1	1	1	1	1	0	1	1	80
11.	ENG21ME0006	IMPANA R	1	0	0	1	1	1	1	1	1	0	70
12.	ENG21ME0012	PUNITH S KALYANKAR	1	1	1	1	1	1	1	1	1	1	100
13.	ENG21CY0021	KAUSHIK REDDY M	1	0	0	1	1	1	1	1	1	0	70
14.	ENG21CS0503	RAMI REDDY VINAY KUMAR REDDY	1	1	1	1	1	1	1	1	1	1	100

15.	ENG21AM0069	MALIPEDDA KARTHIK SAI	1	0	1	1	1	1	1	0	1	1	80
16.	ENG21CS0444	TARUN B	1	0	0	1	1	1	1	1	1	0	70
17.	ENG21AM0113	SHASHANG DEEP V	1	0	1	1	1	1	1	0	1	1	80
18.	ENG21CS0341	S ADITYA	1	1	1	1	1	1	1	1	1	1	100
19.	ENG21DS0008	ARYAN R G	1	0	0	1	1	1	1	1	1	0	70
20.	ENG21CS0209	M VENKATA AMARESH REDDY	1	0	1	1	1	1	1	0	1	1	80
21.	ENG21CY0018	GUTTIKONDA VENKAT VATSAV	1	0	1	1	1	1	1	0	1	1	80
22.	ENG21EC0138	VENKAT BHARADWAJ J	1	1	1	1	1	1	1	1	1	1	100
23.	ENG21AM0063	LAKSHMIPATHI CHETHAN REDDY	1	0	0	1	1	1	1	1	1	0	70

Dr. K. Vijaya Kumar

Chairman
Department of Physics
Dayananda Sagar University
Kudlu Gate, Bengaluru - 560 068

DAYANANDA SAGAR UNIVERSITY
School of Basic and Applied Sciences
M.Sc. Biotechnology II Semester Time Table (Feb' 2018 – May'2018)

Day/Time	1.20- 4.40
Monday	Biophysics &Immunotechniques lab (FZ)
Tuesday	Biophysics &Immunotechniques lab (AS)
Wednesday	Molecular Biology, Env& Med BT Lab (AS)
Thursday	Molecular Biology, Env& Med BT Lab (AS)
Friday	
Saturday	

Co-ordinator

Dean

Professor & Dean,
School of Basic & Applied Scienc
Dayananda Sagar University
Kumaraswamy Layout,
Bangalore-560 078.

M. Sc – ISemester Time Table

	9-9.50 am	10.00-10.50	10.50-11.40	11.40-12.30	12.30-1.00	1.00-1.50	1.50-2.40	2.40-3.20	3.20-4.10	4.10-5.00
Monday	19MBS101 Fundamentals of Chemistry **AF 3.02**	19MBS103 Molecular Genetics SD **3.02**	19MBS103 Molecular Genetics SD **3.02**	19MBS102 Biomolecules GB **3.02**		19MBS101 Fundamentals of Chemistry **AF 3.02**	<-------PG-1 MB Lab (19MBS 172)------→SKJ <-------PG-2 BT Lab (19MBS 172)------→SN <-------PG-3 BC Lab (19MBS 171)------→(GB)			TUT 19MBS101 AF 3.02
Tuesday	19MBS 104 General Microbiology **ASR 3.02**	<-------PG-1 BC Lab (19MBS 171)------→(SSH) <-------PG-2 MB Lab (19MBS 172)------→SKJ <------- PG-3 BT Lab (19MBS 172)------→(GF)				19MBS 104 General Microbiology **ASR 3.02**	19MBS101 Fundamentals of Chemistry **AF 3.02**	19MAU106 Biostatistics **3.02**	19MAU106 Biostatistics **3.02**	TUT 19MBS104 ASR 3.02
Wednesday	19MBS103 Molecular Genetics **SD 3.02**	<-------PG-1 BT Lab (19MBS 172)------→HB <-------PG-2 BC Lab (19MBS 172)------→AF <-------PG-3 MB Lab (19MBS 171)------→ASR				19MBS 104 General Microbiology **ASR 3.02**	MENTOR HOUR 3.02	19MSE105 Proteomics **FZ 3.02**	19MSE105 Proteomics **FZ 3.02**	TUT 19MBS103 SD 3.02
Thursday	19MBS102 Biomolecules GB **3.02**	19MBS102 Biomolecules GB **3.02**	19MBS103 Molecular Genetics **SD 3.02**	Library		19MBS 104 General Microbiology **ASR 3.02**	<-------PG-1 MB Lab (19MBS 172)------→(SKJ) <-------PG-2 BT Lab (19MBS 172)------→SD <-------PG-3 BC Lab (19MBS 171)------→(SC)			TUT 19MBS102 GB 3.02
Friday	19MBS102 Biomolecules GB **3.03**	<-------PG-1 BC Lab (19MBS 171)------→ AF <-------PG-2 MB Lab (19MBS 172)------→(MNG) <-------PG-3 BT Lab (19MBS 172)------→(SD/GF)				SEMINAR 2.02 (BC I + III sem), 3.02 (BT I + III sem), 3.03 (MB I + III sem)				
Saturday	19MBS101 Fundamentals of Chemistry **AF 3.02**	<-------PG-1 BT Lab (19MBS 172)------→(SD/GF) <-------PG-2 BC Lab (19MBS 171)------→KM <-------PG-3 MB Lab (19MBS 172)------→(ASR)								

AF- Dr.Aneesa Fasim, **GB**- Dr.Ganapati Bhat, **SC**- Dr Santosh Choudhury, **SD**-Dr.Susweta Das, **SKJ**-Dr.ShobhaKJ, **SN**-Dr.Sinjitha N, **ASR**-Dr.Archana SRao, **FZ**-Dr.Farhan Zameer, **MNG**-Dr.Manjula,**GF:** Guest Faculty,**SSH** - Dr. Shreedhara, KM- Ms. Kumuda, Guest Faculty,HB - Dr. HimaBindu

Deans Signature

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar University,
K. S. Layout, Bengaluru-78.

M. Sc – III Semester Time Table

BIOCHEMISTRY

	9-9.50 am	9.50 - 10.10	10.10-11	11-11.50	11.50-12.40	12.40-1.10	1.10-2.00	2.00-3.00	3.00-3.50	3.50-4.40
Monday	<<<<<----------17MBC 371---------- >>>>> **Molecular Biology and Immunological techniques** UF						**17MBC301** Molecular Biology CRT 2.02	**17MBC302** Metabolism of Nitrogen comp PB 2.02	**17MBC302** Metabolism of Nitrogen comp TUT PB 2.02	**17MBC322** Phytochemicals and microbial secondary metabolites TUTUF 2.02
Tuesday	**17MBC303** Harmones and cell signalling AF 2.02	**BREAK**	**17MBC301** Molecular Biology CRT 2.02	**17 MBT 305** Ecology & Developmental Biology MH 2.02	**17 MBT 305** Ecology & Developmental Biology MH 2.02	**BREAK**	<<<<<----------17MBC 371---------- >>>>> **Molecular Biology and Immunological techniques** GB			
Wednesday	**17MBC303** Harmones and cell signalling AF 2.02		**Library**	**17MBC322** Phytochemicals and microbial secondary metabolites UF 2.02	**17MBC322** Phytochemicals and microbial secondary metabolites UF 2.02		<<<<<----------17MBC 372---------- >>>>> **Protein Biochemistry** SSM/CRT			
Thursday	<<<<<----------17MBC 372---------- >>>>> **Protein Biochemistry** CRT/SSM						**Mentor Hour**	**17MBC303** Harmones and cell signalling AF 2.02	**17MBC303** Harmones and cell signalling AF 2.02	**17MBC301** Molecular Biology TUT CRT 2.02
Friday	**17MBC301** Molecular Biology CRT 2.02		**17MBC322** Phytochemicals and microbial secondary metabolites UF 2.02	**17MBC322** Phytochemicals and microbial secondary metabolites UF 2.02	**17MBC302** Metabolism of Nitrogen comp PB 2.02		<<<<<----------SEMINAR---------- >>>>> 2.02			
Saturday	**17MBC302** Metabolism of Nitrogen comp PB 2.02		**17MBC302** Metabolism of Nitrogen comp PB 2.02	**17MBC301** Molecular Biology CRT 2.02	**17MBC303** Harmones and cell signalling TUT AF 2.02					

SSM-Dr.Sunil More, **PB**-Dr.Pradipto Banerjee, **AF**- Dr.AneesaFasim, **FZ**-Dr.FarhanZameer, **CRT**- Dr.ChaitanyaTabib, **GB**- Dr.Ganapati Bhat, **UF**- Dr.Uzma F.

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar Univ.
K. S. Layout, Bengaluru-78.

Deans Signature

DAYANANDA SAGAR UNIVERSITY

M. Sc – III Semester Time Table

BIOTECHNOLOGY

	9-9.50 am	9.50 - 10.10	10.10-11	11-11.50	11.50-12.40	12.40-1.10	1.10-2.00	2.00-3.00	3.00-3.50	3.50-4.40
Monday	<<<<<----------17MBT 371---------- >>>>> Genetic Engineering RP						17MBT303 Animal BT SD 3.03	LIBRARY	17MBT302 TUT 3.03	17MBT301 TUT 3.03
Tuesday	17MBT303 Animal BT SD 1.08	BREAK	17MBT303 Animal BT SD 1.08	17 MBT 305 Ecology & Developmental Biology MH 1.08	17 MBT 305 Ecology & Developmental Biology MH 1.08	BREAK	<<<<<----------17MBT 371 Genetic Engineering---------- >>>>> RP			
Wednesday	17MBT 301 Genetic Engineering RP 1.08		17MBT301 Genetic Engineering RP 1.08	17MBT321 Metabolism of Biomolecules PH 1.08	17MBT321 Metabolism of Biomolecules PH 1.08		<<<<<----------17MBT372 Animal BT ---------- >>>>> SD			
Thursday	17 MBT302 Plant BT MH 1.08		17 MBT 302 Plant BT MH 1.08	17MBT321 Metabolism of Biomolecules PB 1.08	17MBT321 Metabolism of Biomolecules PB 1.08		<<<<<----------17MBT 372 Plant BT Practicals ---------- >>>>> MH			
Friday	17MBT303 Animal BT SD 3.02		17MBT 302 Plant BT MH 3.02	17MBT 302 Plant BT MH 3.02	Mentor Hour 3.02		<<<<<----------SEMINAR---------- >>>>> 2.03			
Saturday	MBT303 TUT		17MBT304 TUT	17MBT301 Genetic Engineering RP 3.02	17MBT301 Genetic Engineering RP 3.02					

RP: Dr Roshan Pais; SD: Dr Sraweta Das; MH: Dr Mahesh (GF); PB: Dr.Pradipta Banerjee

Deans Signature

Dr. Sumi S Nair
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar Univ
K. S. Layout, Bengaluru-2.

DAYANANDA SAGAR UNIVERSITY

M. Sc – III Semester Time Table

MICROBIOLOGY

	9-9.50	9.50-10.10	10.10-11	11-11.50	11.50-12.40	12.40-1.20	1.20-2.10	2.10-3.00	3.00-3.50	3.50-4.40
Monday	<<<<-------17MMB371--------->>>> Medical Microbiology and Immunology SBM						17MMB303 Industrial Microbiology MNG	17MMB302 Immunology SBM	17MMB302 Immunology SBM	17MMB301 Medical Microbiology ASR
Tuesday	17MMB303 Industrial Microbiology MNG	BREAK	17MMB303 Industrial Microbiology TUT- MNG	17MMB305 Ecology and Developmental Biology MH 2.03	17MMB305 Ecology and Developmental Biology MH 2.03		<<<<-------17MMB371---->>>> Medical Microbiology and Immunology SKJ			
Wednesday	17MMB321 Genetic Engineering RP 3.02		17MMB321 Genetic Engineering RP 3.02	17MMB303 Industrial Microbiology MNG	17MMB303 Industrial Microbiology MNG		<<<<-------17MMB372---->>>> Industrial Microbiology SKJ			
Thursday	<<<<-------17MMB372------>>>> Industrial Microbiology SKJ						17MBS 301 Medical Microbiology TUT			
Friday	17MMB302 Immunology SBM		17MMB302 Immunology SBM	17MMB302 Immunology TUT - SBM	17MMB301 Medical Microbiology ASR		SEMINAR 3.03			
Saturday	17MMB301 Medical Microbiology SKJ		17MMB301 Medical Microbiology SKJ	17MMB321 Genetic Engineering RP 3.02	17MMB321 Genetic Engineering RP 3.02					

SKJ: Dr. Shobha K. Jayanna; SBM: Dr. Shilpa BM; ASR: Dr. Archana S. Rao; MNG: Dr. Manjula NG; RP: Dr Roshan Pais; MH: Dr Mahesh (GF)

Dr. Sunil S More
Professor & Dean
Chair's Signature
School of Basic & Applied Sciences,
Dayananda Sagar University,
K. S. Layout, Bengaluru-78.

DAYANANDA SAGAR UNIVERSITY

MSc IV Semester Time Table

MICROBIOLOGY

February, 2019

	9-9.50	9.50-10.10	10.10-11	11-11.50	11.50-12.40	12.40-1.20	1.20-2.10	2.10-3.00	3.00-3.50	3.50-4.40
Monday	Ag MB and PP (Tutorial) SBM			Microbial BT ASR (Elective)	Microbial BT ASR (Elective)		Clinical MB VMS (Elective)	Clinical MB VMS (Elective)	Ag MB and PP SBM	Ag MB and PP SBM
Tuesday	Clinical MB VMS (Elective)	**Break**		Clinical MB VMS (Elective)	Clinical MB VMS (Elective)		Microbial BT ASR (Tutorial)	Ag MB and PP SBM	Ag MB and PP SBM	Clinical MB VMS (Tutorial)
Wednesday	Ag MB and PP Practical SKJ					**Lunch Break**	Ag MB and PP Practical - SKJ			
							Microbial BT ASR (Elective)	Microbial BT ASR (Elective)		
Thursday	Project						Project			
Friday	Project						SEMINAR			
Saturday	Project									

SBM – Dr. Shilpa B.M., ASR- Dr. Archana S. Rao, SKJ- Dr. Shobha K. Jayanna, VK- Dr. Vineetha M.S.

Ag MB and PP – Agricultural Microbiology and Plant Pathology; Microbial BT- Microbial Biotechnology; Clinical MB- Clinical Microbiology

22/02/19

School of Basic & Applied Sciences
Dayananda Sagar University
K. S. Layout, Bengaluru-78

DAYANANDA SAGAR UNIVERSITY

M. Sc Biotechnology – IV Semester Time Table

	9:00-9:50	9.50 - 10.10	10.10 – 11.00	11.00 – 11.50	11.50 – 12.40	12.40 – 1.20	1.20 – 2.10	2.10 – 3.00	3.00 – 3.50	3.50 – 4.40
Monday	17MBT401 (SN) (3.02)		17MBT401 (SN) (3.02)	Elective (ASR) (3.02)	Elective (ASR) (3.02)		17MBT471 (SN) ← →			
Tuesday	17MBT401 (SN) (3.02)		17MBT401 (SN) (3.02)	17MBT401 (TUT)	Mentor Hour		SEMINAR ← →			
Wednesday	17MBT471 (SN) ← →						Elective (ASR) (3.02)	Elective (ASR) (3.02)	Library	Elective (TUT)
Thursday	PROJECT WORK ← →						PROJECT WORK ← →			
Friday	PROJECT WORK ← →						PROJECT WORK ← →			
Saturday	PROJECT WORK ← →									

SN – Dr. SinjithaNambiar ASR – Dr. Archana S Rao

18/02/2019
DEPARTMENT CO-ORDIANTOR

19/02/19
DEAN
Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar University,
K. S. Layout, Bengaluru-78.

DAYANANDA SAGAR UNIVERSITY

M. Sc Biotechnology – II Semester Time Table

	9:00-9:50	9.50 - 10.10	10.10 – 11.00	11.00 – 11.50	11.50 – 12.40	12.40 – 1.20	1.20 – 2.10	2.10 – 3.00	3.00 – 3.50	3.50 – 4.40
Monday	17MBT271 (VMS) ←				→		17MBT204 (TUT)	17MBT201 (TUT)	17MBT202 (TUT)	
Tuesday	17MBT271 (RP) ←				→		17MBT201 SN (3.02)	SEMINAR ←		→
Wednesday	17MBT203 SD (3.02)		17MBT203 SD (3.02)	17MBT204 VMS (3.02)	17MBT204 VMS (3.02)		17MBT201 SN (3.02)	17MBT201 SN (3.02)	MENTOR HOUR	LIBRARY
Thursday	17MBT203 (SD) (3.02)		17MBT203 (SD) (3.02)	17MBT204 VMS (3.02)	17MBT204 VMS (3.02)		17MBT272 (VMS) ←		→	
Friday	17MBT272 (SD) ←				→		17MBT202 RP (3.02)	17MBT202 RP (3.02)	17MBT201 SN (3.02)	17MBT203 (TUT)
Saturday	17MBT202 RP (3.02)		17MBT202 RP (3.02)	17MBT205 FZ (3.03)	17MBT205 FZ (3.03)					

SD – Dr. Susweta Das RP – Dr. Roshan Pais SN – Dr. Sinjitha Nambiar FZ – Dr. Farhan Zameer VMS – Dr. Vineetha MS

Susweta
18/02/2019

DEPARTMENT CO-ORDIANTOR

18/02/19

DEAN

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences
Dayananda Sagar University
K. S. Layout, Bengaluru-78.

School of Basic and Applied Sciences

M. Sc Biochemistry – I Semester 2018-19

Time Table

	9-9.50	9.50-10.10	10.10-11	11-11.50	11.50-12.40	12.40-1.20	1.20-2.10	2.10-3.00	3.00-3.50	3.50-4.40
Monday	17MBC104 (SMS)	Break	17MBC103 (FZ)	17MBC103 (FZ) (Tutorial)	17MBC101 (KSK) (Tutorial)	Lunch Break	<..... (Biophysical Chemistry-17MBC172) ..... (SSM+SMS)			
Tuesday	17MBC101 (KSK)		17MBC103 (FZ)	17MBC101 (KSK)	17MBC102 (PB)		<..... (Biophysical Chemistry-17MBC172) ..... (SSM+SMS)			
Wednesday	17MBC102 (PB)		17MBC103 (FZ)	17MBC104 (SSM) (Tutorial)	17MBC104 (SSM)		<..... (Biochemical Estimation-17MBC171) ..... (FZ)			
Thursday	17MBC102 (PB)		17MBC103 (FZ)	17MBC104 (VH)	17MBC101 (KSK)		<..... (Biochemical Estimation-17MBC171) ..... (FZ)			
Friday	Library		17MBC101 (KSK)	Library	17MBC102 (PB) (Tutorial)		17MBC102 (PB)	Library	17MBC104 (VH)	Library
Saturday	17MBC105 (AKM) R.no: 2.03		17MBC105 (AKM) R.no: 2.03	<..... (Seminars)						

17MBC101: KSK = Dr. K Suresh Kumar; 17MBC102: PB = Dr. Pradipta Banerjee; 17MBC103: FZ = Dr. Farhan Zameer; 17MBC 104: SSM = Prof. Sunil S More, VH = Dr. Vishwanth H; 17MBC105: AKM = Dr. Arpan Kumar Maiti, 17MBC172: SMS = Dr. Sudarshan MS

04/09/18

Signature of the Dean

Professor & Dean,
School of Basic & Applied Sciences
Dayananda Sagar University
Kumaraswamy Layout
Bangalore-560 078

DAYANANDA SAGAR UNIVERSITY

M. Sc MICROBIOLOGY – III Semester Time Table

	9-9:50	9:50 - 10:10	10:10-11:00	11:00-11:50	11:50-12:40	12:40 -1:20	1:20-2:10	2:10-3:00	3:00-3:50	3:50 - 4:40
Monday	AS - 321 (3.02)			MS - 305 (3.02)	SMS(302)	Lunch Break	----------SKJ - Lab 371----------			
Tuesday	Tut (301)	Break	AS - 321 (3.02)		MS -305 (3.02)		----------ASR - Lab 372----------			
Wednesday	Tut (302)	Break	Tut (303)	SKJ (301)			----------SKJ - Lab 371----------			
Thursday	----------Seminar----------						----------ASR - Lab 372----------			
Friday	SMS(302)			GA (303)			SKJ(301)		SMS(302)	*Library*
Saturday	GA (303)			Tut (304)	--		--	--	--	--

17MMB301	Medical Microbiology	**17MMB305**	Ecology & Developmental Biology
17MMB302	Immunology	**17MMB371**	Medical MB & Immunology Practicals
17MMB303	Industrial Microbiology	**17MMB372**	Industrial Microbiology Practicals
17MMB321	Genetic Engineering		

AS Dr. Anu Sharma **SMS** Dr. Sudarshan.M. Shivalingayya
MS Dr. Mahesh .S. **GSA** Dr. Gautham S. A.
SKJ Dr. Shobha.K. Jayanna **Tut** Tutorial

All classes will be held in PG lab except 17MMB321 & 17MMB305

16/08/18

Faculty Co-ordinator

Dean
School of Basic & Applied Sciences
Dayananda Sagar University
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

M. Sc MICROBIOLOGY – I Semester Time Table

	9-9:50	9:50 - 10:10	10:10-11:00	11:00-11:50	11:50-12:40	12:40 - 1:20	1:20-2:10	2:10-3:00	3:00-3:50	3:50 - 4:40
Monday	----------GSA - Lab 171----------					Lunch Break	ASR (101)		GSA (104)	FZ (103)
Tuesday	----------GSA - Lab 171----------						SBM (102)		GSA (104)	FZ (103)
Wednesday	----------GSA - Lab 172----------						GSA (104)	Tut (101)	Tut (102)	Tut (103)
Thursday	----------Seminar----------						AF (103)		GSA (104)	Tut (104)
Friday	----------SBM - Lab 172----------						SBM (102)		Library	Library
Saturday	AKM (105) - 3.03			ASR (101)						

All classes will be held in the PG lab except 17MMB105 (Biostatistics)

17MMB101	Bacteriology & Virology	**17MMB105**	Biostatistics
17MMB102	Eukaryotic Microbiology	**17MMB171**	General Microbiology
17MMB103	Microbial Physiology & Biochemistry	**17MMB172**	Microbial Physiology & Biochemistry
17MMB104	Microbial & Biophysical Techniques		

ASR	Dr. Archana S Rao	**FZ**	Dr. Farhan Zameer
SBM	Dr. Shilpa.B.M.	**AKM**	Dr. Arpan Kumar Maiti
AF	Dr. Aneesa Fasim	**GSA**	Dr. Gautham S. A.
Tut	Tutorial		

16/08/18

Faculty Co-ordinator

Dean

Dean
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

M. Sc Biotechnology – III Semester Time Table

	9:00-9:50	9.50 - 10.10	10.10 – 11.00	11.00 – 11.50	11.50 – 12.40	12.40 – 1.20	1.20 – 2.10	2.10 – 3.00	3.00 – 3.50	3.50 – 4.40
Monday	17MBT301 AS (3.02)		17MBT301 AS (3.02)	17MBT305 MS (3.02)	17MBT302 (TUT)		17MBT371 (AS)			
Tuesday	17MBT302 MS (3.02)		17MBT301 AS (3.02)	17MBT301 AS (3.02)	17MBT305 MS (3.02)		17MBT371 (AS)			
Wednesday	17MBT372 (SD)						17MBT301 (TUT)	17MBT304 (TUT)	17MBT321 (TUT)	
Thursday	17MBT321 RR (3.02)		17MBT321 RR (3.02)	17MBT321 RR (3.02)	17MBT302 MS (3.02)		17MBT372 (MS)			
Friday	17MBT303 SD (3.02)		17MBT303 SD (3.02)	17MBT302 MS (3.02)	17MBT302 MS (3.02)		SEMINAR			
Saturday	17MBT303 SD (3.02)		17MBT321 RR (3.02)	17MBT303 SD (3.02)						

SD – Dr. Susweta Das AS – Dr. Anu Sharma MS – Dr. Mahesh S RR – Dr. Rashmi Raghunath

Anu Sharma 16/8/18

DEPARTMENT CO-ORDIANTOR

16/08/18

DEAN

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

M. Sc Biotechnology – I Semester Time Table

	9:00-9:50	9.50 - 10.10	10.10 – 11.00	11.00 – 11.50	11.50 – 12.40	12.40 – 1.20	1.20 – 2.10	2.10 – 3.00	3.00 – 3.50	3.50 – 4.40
Monday	17MBT171 (AF)						17MBT103 SD (3.02)	17MBT103 SD (3.02)		
Tuesday	17MBT172 (SD)							17MBT103 SD (3.02)	17MBT103 SD (3.02)	
Wednesday	17MBT104 RR (3.02)		17MBT104 RR (3.02)	17MBT104 RR (3.02)	17MBT101 AF (3.02)		17MBT171 (AS)			
Thursday	17MBT172 (SD)						17MBT102 AS (3.02)	17MBT102 AS (3.02)		
Friday	17MBT101 AF (3.02)		17MBT101 AF (3.02)	17MBT102 AS (3.02)	17MBT102 AS (3.02)		SEMINAR			
Saturday	17MBT105 AKM (3.03)		17MBT105 AKM (3.03)	17MBT104 RR (3.03)	17MBT101 AF (3.03)					

SD – Dr. Susweta Das AS – Dr. Anu Sharma AF – Dr. Aneesa Fasim RR – Dr. Rashmi Raghunath AKM – Dr. Arpan K Maiti

Anu Sharma 14/8/18

DEPARTMENT CO-ORDIANTOR

16/8/18

DEAN

Dean

School of Basic & Applied Sciences

Dayananda Sagar University

K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

M.Sc. Microbiology II Semester Time Table(Feb' 2018 – May'2018)

Day/Time	9-9.50	9.50-10.10	10.10-11	11-11.50	11.50-12.40	12.40-1.20	1.20-2.10	2.10-3.00	3.00-3.50	3.50-4.40
Monday	FMB (GA)	Short Break	FMB (GA)	EMB (SKJ)	EMB (Tut.)	Lunch Break	Environmental Microbiology Lab (SKJ)			
Tuesday	FMB (GA)		FMB (GA)	FMB (Tut.)	Mol Bio (Tut.)		Environmental Microbiology Lab (SKJ)			
Wednesday	Mol. Bio (AS)		Mol. Bio (AS)	Micro. Gen (GA)	Micro. Gen (GA)		Molecular Biology Lab (GA)			
Thursday	EMB (SKJ)		Mol. Bio (AS)	Mol. Bio (AS)	Micro. Gen (Tut.)		Molecular Biology Lab (GA)			
Friday	Micro. Gen (GA)		Micro. Gen (GA)	EMB (SKJ)			Seminar			
Saturday	Bioinfo (FZ)		Bioinfo (FZ)	EMB (SKJ)						

Co-ordinator

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Bayananda Sagar University,
K. S. Layout, Bengaluru-78.

Dean

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar Univer
K. S. Layout, Bengaluru-7

DAYANANDA SAGAR UNIVERSITY

School of Basic & Applied Sciences

INTERNAL TEST MARKS STATEMENT

Branch: MSc Microbiology

Faculty Name : Dr. SHOBHA KADUR JAYANNA

Semester : 3rd Sem

Subject : Medical Microbiology - 17MMB301

#	USN	Student Name	Internal Tests			Average of the best of Two Internal Tests (d)	CIE (20 marks) (e)	Total(40 marks) (d+e)
			I (20 marks) (a)	II (20 marks) (b)	III (20 marks) (c)			
1	BAS18MMB001	AISHWARIA H S	12	13		12.5	19	32
2	BAS18MMB002	AMAR N	10	11		10.5	19	30
3	BAS18MMB003	ANUSHA S PAWAR	17	14		15.5	20	36
4	BAS18MMB004	BHANU L	7	9		8	18	26
5	BAS18MMB005	DIVYASHREE V	14	18		16	19	35
6	BAS18MMB006	HEEBA SHAFAQUE	10	19		14.5	18	33
7	BAS18MMB007	NIVETHA K	19	19		19	20	39
8	BAS18MMB008	NAMA KARTHIK	8	11		9.5	17	27
9	BAS18MMB009	KAVYA T	13	11		12	17	29
10	BAS18MMB010	MARIAM AZEEZUDDIN HANEEN	18	17		17.5	20	38
11	BAS18MMB011	MONISHA LOUIE M	10	15		12.5	17	30
12	BAS18MMB012	POOJA N	18	17		17.5	19	37
13	BAS18MMB013	SHAKTHI VIGNESH S	18	17		17.5	19	37
14	BAS18MMB014	SHRUTHI R	7	10		8.5	16	25
15	BAS18MMB015	SUSHMA D SUVARNA	9	13		11	18	29
16	BAS18MMB016	SUSHMA J	13	13		13	19	32
17	BAS18MMB017	VARSHA N SWAMY	18	19		18.5	18	37

Note : CIE = (Assignments + Seminar / Class Presentations + Quiz/ Model making + Group discussion + Reflection notes on guest lectures + etc..)

Generated On: Jan 3, 2020 12:30 PM

DAYANANDA SAGAR UNIVERSITY

School of Basic & Applied Sciences

INTERNAL TEST MARKS STATEMENT

Branch: MSc Biotechnology

Semester : 3rd Sem

Faculty Name : null MAHESH SIDDALINGAIAH

Subject : Plant Biotechnology - 17MBT302

#	USN	Student Name	Internal Tests			Average of the best of Two Internal Tests (d)	CIE (20 marks) (e)	Total(40 marks) (d+e)
			I (20 marks) (a)	II (20 marks) (b)	III (20 marks) (c)			
1	BAS18MBT001	AISHWARYA G	7	11	AB	9	16	25
2	BAS18MBT002	ASHWINI S	4	6	12	9	11	20
3	BAS18MBT003	DARGOPATIL KIRTI SANJAY	13	10	AB	11.5	14	26
4	BAS18MBT004	HARISH K S	10	11	AB	10.5	13	24
5	BAS18MBT005	HARSHITH G M	13	17	AB	15	17	32
6	BAS18MBT006	KAVITHA C	17	18	AB	17.5	16	34
7	BAS18MBT007	KAVYA S	18	16	AB	17	17	34
8	BAS18MBT008	KRUPA K	14	18	AB	16	17	33
9	BAS18MBT009	MANDARA M	AB	18	18	18	15	33
10	BAS18MBT010	MUDIGONDA ANUSREE	13	16	AB	14.5	16	31
11	BAS18MBT011	MUSHEERAH SADIQUA	15	15	AB	15	17	32
12	BAS18MBT012	PIR IRSHAD	15	17	AB	16	18	34
13	BAS18MBT013	RAJESH SOMAYAJI	15	14	AB	14.5	17	32
14	BAS18MBT014	RASHMI G NAGENDRA	18	18	AB	18	18	36
15	BAS18MBT015	S JANSHI	11	18	AB	14.5	17	32
16	BAS18MBT016	SAGAR N V	18	19	AB	18.5	17	36
17	BAS18MBT017	SATARUPA BANDOPADHYAY	18	16	AB	17	20	37
18	BAS18MBT018	SNEHA BARIK	4	8	12	10	16	26
19	BAS18MBT019	SONALI PRABHA PUHAN	15	16	AB	15.5	16	32
20	BAS18MBT020	SUNITHA G	19	18	AB	18.5	17	36
21	BAS18MBT021	SUPARNO BANERJEE	18	19	AB	18.5	19	38
22	BAS18MBT022	VAISHALI JAIN S	19	18	AB	18.5	18	37
23	BAS18MBT023	VARSHA K R	12	18	AB	15	17	32
24	BAS18MBT024	VARSHINI M R	16	19	AB	17.5	18	36

Generated On: Jan 3, 2020 11:05 AM

DAYANANDA SAGAR UNIVERSITY

School of Basic & Applied Sciences

INTERNAL TEST MARKS STATEMENT

Branch: MSc Biotechnology

Semester : 3rd Sem

Faculty Name : Dr. SUSWETA DAS

Subject : Animal Biotechnology - 17MBT303

#	USN	Student Name	Internal Tests			Average of the best of Two Internal Tests (d)	CIE (20 marks) (e)	Total(40 marks) (d+e)
			I (20 marks) (a)	II (20 marks) (b)	III (20 marks) (c)			
1	BAS18MBT001	AISHWARYA G	12	14		13	13	26
2	BAS18MBT002	ASHWINI S	9	11		10	12	22
3	BAS18MBT003	DARGOPATIL KIRTI SANJAY	12	12		12	13	25
4	BAS18MBT004	HARISH K S	10	13		11.5	11	23
5	BAS18MBT005	HARSHITH G M	15	13		14	16	30
6	BAS18MBT006	KAVITHA C	16	19		17.5	14	32
7	BAS18MBT007	KAVYA S	16	19		17.5	16	34
8	BAS18MBT008	KRUPA K	19	18		18.5	15	34
9	BAS18MBT009	MANDARA M	19	16		17.5	13	31
10	BAS18MBT010	MUDIGONDA ANUSREE	12	15		13.5	15	29
11	BAS18MBT011	MUSHEERAH SADIQUA	16	19		17.5	15	33
12	BAS18MBT012	PIR IRSHAD	18	17		17.5	18	36
13	BAS18MBT013	RAJESH SOMAYAJI	17	19		18	16	34
14	BAS18MBT014	RASHMI G NAGENDRA	18	19		18.5	18	37
15	BAS18MBT015	S JANSHI	12	19		15.5	16	32
16	BAS18MBT016	SAGAR N V	10	13		14	19	33
17	BAS18MBT017	SATARUPA BANDOPADHYAY	16	19		17.5	20	38
18	BAS18MBT018	SNEHA BARIK	11	14		12.5	15	28
19	BAS18MBT019	SONALI PRABHA PUHAN	17	20		18.5	18	37
20	BAS18MBT020	SUNITHA G	19	20		19.5	16	36
21	BAS18MBT021	SUPARNO BANERJEE	19	20		19.5	19	39
22	BAS18MBT022	VAISHALI JAIN S	19	20		19.5	19	39
23	BAS18MBT023	VARSHA K R	15	18		16.5	15	32
24	BAS18MBT024	VARSHINI M R	16	19		17.5	16	34

Generated On: 02-Jan-2020 1:39 PM

DAYANANDA SAGAR UNIVERSITY
School of Basic & Applied Sciences
Course : MSc MICROBIOLOGY (II sem 2017 -2019 Batch)

SN	USN	Student Name	MOLECULAR BIOLOGY -17MMB202								
			THEORY								
			1st IA	2nd IA	3rd IA	Average of best two IA (20)	Quiz/Assignment/ (10)	Seminar/ (10)	CIA Total/ (20)	Grand Total (40)	SIGN OF STUDENT
1	BAS17MMB001	ASHWINI S	A	4	7	6	9	6	15	21	
2	BAS17MMB002	CHAITRA R	7	8	10	9	8	6	14	23	
3	BAS17MMB003	KRATEESHA SHARMA	6	9	7	8	7	7	14	22	
4	BAS17MMB004	KUMUDA K N	11	A	15	13	8	9	17	30	
5	BAS17MMB005	MANU MANJUNATH KANTI	18	19	18	19	10	9	19	38	
6	BAS17MMB006	MOAAKUM	8	A	8	8	7	6	13	21	
7	BAS17MMB007	N V SAISWAROOP	6	6	9	8	7	9	16	24	
8	BAS17MMB008	SOMNATH ROY	A	18	18	18	9	9	18	36	
9	BAS17MMB009	V TARUN KUMAR	5	6	6	6	9	6	15	21	

11/6/19

(COURSE IN-CHAGE)

13/06/19

Dr. (DEAN)
Professor & Dean
School of Basic & Applied Sciences
Dayananda Sagar University
K. S. Layout, Bengaluru-78.

SN	USN	Student Name	ENVIRONMENTAL MICROBIOLOGY 17MMB203								
			THEORY								
			1st IA	2nd IA	3rd IA	Average of best two IA (20)	Quiz/Assignment/ (10)	Seminar/ (10)	CIA Total/ (20)	Grand Total (40)	SIGN OF STUDENTS
1	BAS17MMB001	ASHWINI S	11	18	A	15	7	6	13	28	
2	BAS17MMB002	CHAITRA R	17	A	17	17	8	6	14	31	
3	BAS17MMB003	KRATEESHA SHARMA	16	A	16	16	8	7	15	31	
4	BAS17MMB004	KUMUDA K N	19	17	A	18	8	9	17	35	
5	BAS17MMB005	MANU MANJUNATH KANTI	18	20	A	19	8	9	17	36	
6	BAS17MMB006	MOAAKUM	15	16	A	16	7	6	13	29	
7	BAS17MMB007	N V SAISWAROOP	15	16	A	16	7	9	16	32	
8	BAS17MMB008	SOMNATH ROY	19	20	A	20	8	9	17	37	
9	BAS17MMB009	V TARUN KUMAR	17	16	A	17	7	6	13	30	

11/6/18

Dr. Sunil S. More
Professor & Chair
School of Basic & Applied Sciences
Dayananda Sagar University
K. S. Layout, Bengaluru-78

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Department of Biological Science
M.Sc. – BIOTECHNOLOGY
17MBT103 : Microbiology and Microbial Techniques

Sl. No.	USN	Name	IA 1 (20M)	IA 2 (20M)	IA 3 (20M)	Average (20M)	Assignment (10M)	Seminar (10M)	Total (40M)	Signature of the Candidate
1	BAS17MBT001	AQUEEF SHARIFF	12	14	AB	13	8	9	30	
2	BAS17MBT002	INJETI REKHA	6	12	4.5	9	8	8	25	
3	BAS17MBT003	ANUSHA KJ	11	16	9	14	8	7	29	
4	BAS17MBT004	KEERTHANA R	8.5	9	AB	9	9	8	26	
5	BAS17MBT005	MARUDWATI J	14	17	AB	16	9	9	34	
6	BAS17MBT006	Muthu Priya	13	15	12	14	9	8	31	
7	BAS17MBT007	RADHA RAMAN RAJ	13	13	6.5	13	8	8	29	
8	BAS17MBT008	SABY C SEBASTIAN	14	15	AB	15	9	8	32	
9	BAS17MBT009	ZAINAH SHAMEEM	9	13.5	4.5	11	8	7	26	

Faculty in-charge

Dean



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Time Table for M.Sc I & III Semester Second Internal Examination Nov -2019

Time: Morning Session: **9:30am – 11:00pm** Afternoon Session: **3:00pm- 4:30pm**

Date	Session	M.Sc. MICROBIOLOGY		M Sc. BIOTECHNOLOGY		M.Sc. BIOCHEMISTRY	
		I Sem	III Sem	I Sem	III Sem	I Sem	III Sem
26.11.2019 Tuesday	Morning	BIOMOLECULES 19MBS102	GENETIC ENGINEERING 17MMB321	BIOMOLECULES 19MBS102	GENETIC ENGINEERING 17MBT301	BIOMOLECULES 19MBS102	HORMONES AND CELL SIGNALING 17MBC303
	Afternoon	BIOINFORMATICS 19MSE105	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305	BIOINFORMATICS 19MSE105	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305	BIOINFORMATICS 19MSE105	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305
27.11.2019 Wednesday	Morning	MOLECULAR GENETICS 19MBS103	IMMUNOLOGY 17MMB302	MOLECULAR GENETICS 19MBS103	METABOLISM OF BIOMOLECULES 17MBT321	MOLECULAR GENETICS 19MBS103	METABOLISM OF NITROGEN COMPOUNDS 17MBC302
28.11.2019 Thursday	Morning	FUNDAMENTALS OF CHEMISTRY 19MBS101	MEDICAL MICROBIOLOGY 17MMB301	FUNDAMENTALS OF CHEMISTRY 19MBS101	ANIMAL BIOTECHNOLOGY 17MBT303	FUNDAMENTALS OF CHEMISTRY 19MBS101	MOLECULAR BIOLOGY 17MBC301
	Afternoon	BIOSTATISTICS 19MAU106		BIOSTATISTICS 19MAU106		BIOSTATISTICS 19MAU106	
29.11.2019	Morning	GENERAL MICROBIOLOGY 19MBS104	INDUSTRIAL MICROBIOLOGY 17MMB303	GENERAL MICROBIOLOGY 19MBS104	PLANT BIOTECHNOLOGY 17MBT302	GENERAL MICROBIOLOGY 19MBS104	PLANT AND MICROBIAL SECONDARY METABOLITES 17MBC322

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences.
Dayananda Sagar University.
K. S. Layout, Bengaluru-78.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Department of Biological Science
Time Table for M.Sc. II & IV Semester First Internal Examination March -2020

II semester

Date	M.Sc. MICROBIOLOGY		M.Sc. BIOTECHNOLOGY		M.Sc. BIOCHEMISTRY	
	II Sem	II Sem	II Sem	II Sem	II Sem	II Sem
Time	**9:30am – 11:00am**	**3:00pm – 4:30pm**	**9:30am – 11:00am**	**3:00pm – 4:30pm**	**9:30am – 11:00am**	**3:00pm – 4:30pm**
26.03.2020 Thursday	EVOLUTION AND DEVELOPMENTAL BIOLOGY **19MSC5204**	ANALYTICAL TECHNIQUES **19MSC5202**	EVOLUTION AND DEVELOPMENTAL BIOLOGY **19MSC5204**	ANALYTICAL TECHNIQUES **19MSC5202**	EVOLUTION AND DEVELOPMENTAL BIOLOGY **19MSC5204**	ANALYTICAL TECHNIQUES **19MSC5202**
27.03.2020 Friday	MOLECULAR BIOLOGY **19MSC5201**	BIOINFORMATICS – II (GENOMICS) **19MSC5203**	MOLECULAR BIOLOGY **19MSC5201**	BIOINFORMATICS – II (GENOMICS) **19MSC5203**	MOLECULAR BIOLOGY **19MSC5201**	BIOINFORMATICS – II (GENOMICS) **19MSC5203**
28.03.2020 Saturday	MICROBIAL PHYSIOLOGY **19MMBS202**		GENETIC ENGINEERING **19MBT5201**		HUMAN PHYSIOLOGY **19MBC5202**	
30.03.2020	PROKARYOTIC AND EUKARYOTIC MICROBIOLOGY **19MMB5201**		ADVANCED CELL BIOLOGY **19MBT5202**		METABOLISM – I **19MBC5201**	

IV semester

Date	M.Sc. MICROBIOLOGY		M.Sc. BIOTECHNOLOGY		M.Sc. BIOCHEMISTRY	
	IVSem	IVSem	IVSem	IVSem	IVSem	IVSem
Time	**9:30am – 10:30am**	**3:00pm – 4:00pm**	**9:30am – 10:30am**	**3:00pm – 4:00pm**	**9:30am – 10:30am**	**3:00pm – 4:00pm**
27.03.2020 Friday	AGRICULTURAL MICROBIOLOGY AND PHYTOPATHOLOGY **17MMB401**	APPLIED BIOTECHNOLOGY **17MBT421**	BIOPROCESS TECHNOLOGY **17MBT401**	CLINICAL BIOCHEMISTRY & BIOENGINEERING **17MBC425**	GENETIC ENGINEERING AND BIOTECHNOLOGY **17MBC401**	MICROBIAL BIOTECHNOLOGY **17MMB422**

Dr. Sunil S Mare
Professor & [illegible]
School of Basic & Applied Sciences
13/02/2020

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Time Table for M.Sc. I & III Semester Second Internal Examination Nov -2019
Time: Morning Session: **9:30am – 11:00pm**
Afternoon Session: **3:00pm- 4:30pm**

Date	Session	M.Sc. MICROBIOLOGY		M.Sc. BIOTECHNOLOGY		M.Sc. BIOCHEMISTRY	
		I Sem	III Sem	I Sem	III Sem	I Sem	III Sem
26.11.2019 Tuesday	Morning	BIOMOLECULES 19MBS102	GENETIC ENGINEERING 17MMB321	BIOMOLECULES 19MBS102	GENETIC ENGINEERING 17MBT301	BIOMOLECULES 19MBS102	HORMONES AND CELL SIGNALING 17MBC303
	Afternoon	GENERAL MICROBIOLOGY 19MBS104	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305	GENERAL MICROBIOLOGY 19MBS104	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305	GENERAL MICROBIOLOGY 19MBS104	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305
27.11.2019 Wednesday	Morning	MOLECULAR GENETICS 19MBS103	IMMUNOLOGY 17MMB302	MOLECULAR GENETICS 19MBS103	METABOLISM OF BIOMOLECULES 17MBT321	MOLECULAR GENETICS 19MBS103	METABOLISM OF NITROGEN COMPOUNDS 17MBC302
	Afternoon	BIOSTATISTICS 19MAU106	-	BIOSTATISTICS 19MAU106	-	BIOSTATISTICS 19MAU106	-
28.11.2019 Thursday	Morning	FUNDAMENTALS OF CHEMISTRY 19MBS101	MEDICAL MICROBIOLOGY 17MMB301	FUNDAMENTALS OF CHEMISTRY 19MBS101	ANIMAL BIOTECHNOLOGY 17MBT303	FUNDAMENTALS OF CHEMISTRY 19MBS101	MOLECULAR BIOLOGY 17MBC301
	Afternoon	BIOINFORMATICS 19MSE105	INDUSTRIAL MICROBIOLOGY 17MMB303	BIOINFORMATICS 19MSE105	PLANT BIOTECHNOLOGY 17MBT302	BIOINFORMATICS 19MSE105	PLANT AND MICROBIAL SECONDARY METABOLITES 17MBC322

06/11/19
Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences.
Dayananda Sagar University.

DAYANANDA SAGAR UNIVERSITY

B. Sc – Timetable for Second Internal Assessment

Timings: Morning: 9:30am- 10:30 am

Afternoon: 3:30pm - 4:30 pm

Semester	Morning /Noon	16/10/19	17/10/19	18/10/19	19/10/19
V	Morning	Biochemistry -1/ Chemistry – 1	Biotechnology – 2/	Genetics – 1	Genetics – 2 (9.30-10.30am)
	Afternoon	Biotechnology –1/	Biochemistry -2/ Chemistry – 2	Microbiology -1	Microbiology – 2 (12.00-1pm)
III	Morning	Biochemistry/ Chemistry	Genetics	Biotechnology	Microbiology
	Afternoon	General English	Additional English/ Kannada		
I semester 9:30am-11:00 am	Morning	Chemistry	Genetics	Biotechnology	Communicative English

Note: V semester : No classes on exam days

III Semester :16th&17th Sep no classes. From 18th onwards classes resume after exams.

I semester : Classes resume after exams

Strict action will be taken against students who miss classes after exams

25/09/19

Dr. Sunil S More

Professor & Dean

School of Basic & Applied Scienc

Dayananda Sagar University

K. S. Layout, Bengaluru-78

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
B. Sc II Sem– Third Internal exam Timetable May 2022

SEMESTER	25-05-2022 Wednesday	26-05-2022 Thursday	27-05-2022 Friday
II Semester 10.00AM TO 11.00AM	PRINCIPLES OF IMMUNOLOGY 20BT1201 BBG,BCM	BIO ANALYTICAL TECHNIQUES 20BC1201 BBG, BMG ADVANCED CHEMISTRY II 20CY1201 BCM	FUNDAMENTALS OF CYTOGENETICS 20GN1201 BBG,BMG
II Semester 3.00PM TO 4.00PM	BIOINFORMATICS AND BIOSTATISTICS 20BS1201 BBG, BMG,BCM	COMPUTER APPLICATIONS AND INFORMATION TECHNOLOGY 20BS1202 BBG, BMG,BCM	MICROBIAL PHYSIOLOGY 20MB1201 BMG, BCM

Note: 1. Third Internals is only for those who were absent and permitted by Dean Sir

2. During internals classes will be as per class timetable

20/05/22

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar University
K. S. Layout, Bengaluru-78.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Department of Biological Science
Time Table for M.Sc. I & III SemesterFirstInternal Examination Oct -2019
Time:11:30am – 12:30pm

Date	M.Sc. MICROBIOLOGY		M.Sc. BIOTECHNOLOGY		M.Sc. BIOCHEMISTRY	
	I Sem	IIISem	I Sem	IIISem	I Sem	IIISem
14.10.2019 Monday	BIOINFORMATICS –I 19MSC5105		BIOINFORMATICS –I 19MSC105		BIOINFORMATICS -I 19MSC105	
15.10.2019 Tuesday	BIOSTATISTICS 19MSC5106	MEDICAL MICROBIOLOGY 17MMB301	BIOSTATISTICS 19MSC106	GENETIC ENGINEERING 17MBT301	BIOSTATISTICS 19MSC106	MOLECULAR BIOLOGY 17MBC301
16.10.2019 Wednesday	FUNDAMENTALS OF CHEMISTRY 19MSC5101	IMMUNOLOGY 17MMB302	FUNDAMENTALS OF CHEMISTRY 19MBS101	PLANT BIOTECHNOLOGY 17MBT302	FUNDAMENTALS OF CHEMISTRY 19MBS101	METABOLISM OF NITROGEN COMPOUNDS 17MBC302
17.10.2019 Thursday	BIOMOLECULES 19MSC5102	INDUSTRIAL MICROBIOLOGY 17MMB303	BIOMOLECULES 19MBS102	ANIMAL BIOTECHNOLOGY 17MBT303	BIOMOLECULES 19MBS102	HORMONES AND CELL SIGNALING 17MBC303
18.10.2019 Friday	MOLECULAR GENETICS 19MSC5103	GENETIC ENGINEERING 17MMB321	MOLECULAR GENETICS 19MBS103	METABOLISM OF BIOMOLECULES 17MBT321	MOLECULAR GENETICS 19MBS103	PLANT AND MICROBIAL SECONDARY METABOLITES 17MBC322
19.05.2019 Saturday	GENERAL MICROBIOLOGY 19MSC5104	ECOLOGY AND DEVELOPMENTAL BIOLOGY	GENERAL MICROBIOLOGY 19MBS104	ECOLOGY AND DEVELOPMENTAL BIOLOGY 17MBT305	GENERAL MICROBIOLOGY 19MBS104	ECOLOGY AND DEVELOPMENTAL BIOLOGY (SOFT CORE)

9/10/19

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Department of Biological Science
Time Table for M.Sc. I Semester Computer Based Test (CBT) Feb -2022

Date	10:00am – 10:30 am	2:30pm - 3:00 pm
02/02/2022 WEDNESDAY	FUNDAMENTALS OF CHEMISTRY 20MSC5101	BIOINFORMATICS-I 20MSC5105
03/02/2022 THURSDAY	BIOMOLECULES 20MSC5102	BIOSTATISTICS 20MSC5106
04/02/2022 FRIDAY	MOLECULAR GENETICS 20MSC5103	GENERAL MICROBIOLOGY 20MSC5104

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
Department of Biological Science
Time Table for M.Sc. I Semester Computer Based Test (CBT) Feb -2022

Date	10:00am – 10:30 am	2:30pm - 3:00 pm
02/02/2022 WEDNESDAY	FUNDAMENTALS OF CHEMISTRY 20MSC5101	BIOINFORMATICS-I 20MSC5105
03/02/2022 THURSDAY	BIOMOLECULES 20MSC5102	BIOSTATISTICS 20MSC5106
04/02/2022 FRIDAY	MOLECULAR GENETICS 20MSC5103	GENERAL MICROBIOLOGY 20MSC5104

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
B. Sc III & V Sem– Timetable for CBT –November 2021

Semester	Morning /Noon/ Timings	23/11/2021 Tuesday	24/11/2021 Wednesday	25/11/2021 Thursday
V Sem	Morning 10:00am- 10:30 am	Metabolism of Sugars and Nitrogen compounds 19BY3501 (BBG, BMG) Electrochemistry and advanced Spectroscopy 19CY3501 (BCM)	Developmental Biology and Human Genetics 19GN3501 (BBG, BMG)	Scientific Writing 19BS3501 (BBG, BMG, BCM)
	Afternoon 2:00pm – 2:30 pm	Applied Microbiology – I 19MB3501 (BCM, BMG)	Animal and Plant Biotechnology 19BT3501 (BBG, BMG)	Health And Diseases 19OE3502 (BBG, BMG, BCM)
III Sem	Morning 10:00am- 10:30 am	Principles of Recombinant DNA Technology 20BT2301 (BCM, BMG)	Human Physiology 20BC2301/ (BBG, BMG) Advanced Chemistry – III 20CY2301 (BCM)	Basic Human Genetics and Genetic Engineering 20GN2301 (BBG, BMG)
	Afternoon 2:00pm – 2:30 pm	Molecular Biology 20BS2301 (BBG, BMG, BCM)	Immunology and Medical Microbiology 20MB2301 (BCM, BMG)	Environmental Science 20BS2302 (BBG, BMG, BCM)

Note: No classes during CBT

09/11/21

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences
Dayananda Sagar University
K. S. Layout, Bengaluru

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
M. Sc III Semester– Timetable for CBT –November 2021

Semester	Morning /Noon/ Timings	Biochemistry (BC)	Biotechnology (BT)	Microbiology (MB)	Human Genetics (HG)
23/11/2021 Tuesday	Morning 10:00am- 10:30 am	Metabolism –II 20MBC5301	Immunology 20MBT5301	Immunology and Medical Microbiology 20MMB5301	Medical and Cancer Genetics 20MHG5301
	Afternoon 2:00pm – 2:30 pm	Clinical Research 20MSC5303	Clinical Research 20MSC5303	Clinical Research 20MSC5303	Clinical Research 20MSC5303
24/11/2021 Wednesday	Morning 10:00am- 10:30 am	Enzymology 20MBC5302	Industrial Biotechnology 20MBT5302	Agricultural Microbiology and Plant Pathology 20MMB5322	Genetic Screening Counseling and Disease Management 20MHG5302
	Afternoon 2:00pm – 2:30 pm	Molecular Physiology 20MBC5322	Plant Biotechnology 20MBT5321	Industrial, Food and Dairy Microbiology 20MMB5302	Development and Reproductive Genetics 20MHG5322
25/11/2021 Thursday	Morning 10:00am- 10:30 am	Genetic Engineering 20MBC5323	Principles of Enzymology and Metabolism 20MBT5323	Genetic Engineering 20MMMB5323	Clinical Genetics 20MHG5323
	Afternoon 2:00pm – 2:30 pm	Scientific Writing & IPR 20MSC5302	Scientific Writing & IPR 20MSC5302	Scientific Writing & IPR 20MSC5302	Scientific Writing & IPR 20MSC5302
26/11/2021 Friday	Morning 10:00am- 10:30 am	Immunology 20MBC5321	Animal Biotechnology 20MBT5322	Environmental Microbiology 20MMB5321	Human Population Genetics 20MHG5321
	Afternoon 2:00pm – 2:30 pm	Research Methodology 20MSC5303	Research Methodology 20MSC5303	Research Methodology 20MSC5303	Research Methodology 20MSC5303

Note: No classes during CBT

09/11/21

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sc
Dayananda Sagar Univer
K. S. Layout, Bengaluru

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
B. Sc IV & VI Sem– CBT -2 Timetable April 20

SEMESTER	11.30 to 12:00	12:00 to 12:30	
VI Semester	FERMENTATION TECHNOLOGY 19BT3601 BBG,BCM	LIPID METABOLISM AND MOLECULARPHYSIOLOGY 19BY3601 BBG,BMG INORGANIC AND ORGANOMETALLIC CHEMISTRY 19CY3601 BCM	
	1:00 to 1:30	1:30 to 2:00	
VI Semester	NANOSCIENCE 19BS3601 BBG, BMG,BCM	TRADITIONAL MEDICINE 19OE3603 BBG, BMG,BCM	A
	11.30 to 12:00	12:00 to 12:30	
IV Semester	PRINCIPLES OF ANIMAL AND PLANT BIOTECHNOLOGY 20BT2401 BBG,BCM	ELECTROCHEMISTRY AND ADVANCED SPECTROSCOPY 20CY2401 BCM	
	1:00 to 1:30	1:30 to 2:00	
IV Semester	GENOMICS AND PROTEOMICS 20BS2401 BBG, BMG,BCM	BIOETHICS AND IPR 20BS2402 BBG, BMG,BCM	

DAYANANDA SAGAR UNIVERSITY

Time table for B.Sc I, III & V Semester
Theory Examinations – December 2017(Regular and Repeater)

Campus – I **Time:** 10:00 AM -01:00 PM **Date:** 02-11-2017

Date	Course with Course Codes B.Sc 1st Sem	Course with Course Codes B.Sc -3rd Sem	Course with Course Codes B.Sc-5th Sem
05-12-2017 Tuesday	Inorganic and Biophysical Chemistry (16BCI01)& Fundamentals of Chemistry I (16CH101)	-	Principles of Immunology and Basics of Animal Biotechnology (15BT301)& Agricultural Microbiology and Environmental Microbiology (15MB301)
06-12-2017 Wednesday	-	Physico-Analytical Techniques (16BC201)& Fundamentals of Chemistry III (16CH201)	-
07-12-2017 Thursday	Fundamentals of Cell Biology (16GN101)	-	Genetic Engineering (15GN301)& Genetics and Evolutionary Biology (15ZG301)
08-12-2017 Friday	-	Fundamentals of Cytogenetics (16GN201)	-
09-12-2017 Saturday	General English (16HU111)	-	Enzyme technology and Protein Chemistry (15BC301)& Physical Chemistry and Chem Informatics (15CH301)
11-12-2017 Monday	-	Basic Principles of Biochemistry and Biophysics (16BT201)	-
12-12-2017 Tuesday	Fundamentals of Microbiology (16MB101)	-	Industrial Biotechnology (15BT322) & Food Microbiology (15MB321)
13-12-2017 Wednesday	-	Microbial physiology, Microbial Genetics and Instrumentation (16MB201)	-
14-12-2017 Thursday	Essentials of Cell Biology (16BT101)	-	Basic Human Genetics(15GN321)& Environmental Biology (15ZG321)
15-12-2017 Friday	Additional English (16HU116) & Kannada (16HU113)	General English (16HU211)	-
16-12-2017 Saturday	Environment & Public Health (16EP191) (10:00 AM -12:00 PM)	-	Chemistry and Metabolism of Carbohydrates and Proteins(15BC321)& Industrial Chemistry (15CH321)
18-12-2017 Monday	-	Additional English (16HU216)	-
19-12-2017 Tuesday	-	-	Biosafety, Bioethics and IPR (15IP391) (10:00 AM -12:00 PM)
20-12-2017 Wednesday	-	Constitution of India and Human Rights (16CI291) (10:00 AM -12:00 PM)	-

02/11/2017

Controller of Examinations

CONTROLLER OF EXAMINATIONS
DAYANANDA SAGAR UNIVERSITY
BENGALURU

To,
Concerned Dean.
Copy to,
PS to Vice Chancellor/PS to Registrar/CFO/ Chief Superintendent

DAYANANDA SAGAR UNIVERSITY

Time table for B.Sc. I, II, III ,IV, V & VI Semester Summer Term Theory Examinations - July 2019

Date	Course with Course Codes BSc-1st Sem 10:00 AM to 01:00 PM	Course with Course Codes BSc-2nd Sem 10:00 AM to 01:00 PM	Course with Course Codes BSc-3rd Sem 2:00 PM to 5:00 PM	Course with Course Codes BSc-4th Sem 2:00 PM to 5:00 PM	Course with Course Codes BSc-5th Sem 10:00 AM to 01:00 PM	Course with Course Codes BSc-6th Sem 10:00 AM to 01:00 PM
16-07-2019 Tuesday	Inorganic and Biophysical Chemistry (16BC101) / Fundamentals of Chemistry - I (16CH101)		Physico-Analytical Techniques (16BC201) / Fundamentals of Chemistry - III (16CH201)		Principles of Immunology and Basics of Animal Biotechnology (16BT301)	
17-07-2019 Wednesday		Organic Chemistry, Drug Synthesis and Toxicology (16BC102) / Fundamentals of Chemistry - II (16CH102)		Additional English (16HU220)		Microbial fermentation (16MB303)
18-07-2019 Thursday	Fundamentals of Cell Biology (16GN101)		Fundamentals of Cytogenetics (16GN201)		Genetic Engineering (16GN301)	Recombinant DNA Technology (16BT302)
19-07-2019 Friday		Basic Genetics (16GN102)		Physiology of living systems (16BC202) / Fundamentals of Chemistry - IV (16CH202)	Agricultural Microbiology and Environmental Microbiology (16MB301)	Immunology and Medical Microbiology (16MB302)
20-07-2019 Saturday	General English (16HU111)		Basic Principles of Biochemistry and Biophysics (16BT201)		Enzyme technology and Protein Chemistry (16BC301) / Physical Chemistry and Chem informatics (16CH301)	
22-07-2019 Monday		Principles of Microbiology and Biostatistics (16BT102)		Molecular Biology (16BT202)		Applied Genetics (16GN302)
23-07-2019 Tuesday	Fundamentals of Microbiology (16MB101)		Microbial physiology, Microbial Genetics and Instrumentation (16MB201)		Industrial Biotechnology (16BT322)	
25-07-2019 Thursday		Microbial Diversity and Growth Kinetics (16MB102)		Molecular Genetics (16GN202)	Food Microbiology (16MB321)	Bioenergetics and Molecular Physiology (16BC302) / Inorganic and Analytical Chemistry (16CH302)
26-07-2019 Friday	Essentials of Cell Biology (16BT101)		General English (16HU211)		Basic Human Genetics (16GN321)	
27-07-2019 Saturday	Additional English (16HU116) / Kannada (16HU113)	Additional English (16HU120) / Kannada (16HU117)		General English (16HU212)		Genomics and Proteomics (16GN303)
29-07-2019 Monday			Additional English (16HU216)		Chemistry and Metabolism of Carbohydrates and Proteins (16BC321) / Industrial Chemistry (16CH321)	
30-07-2019 Tuesday		General English (16HU112)		Molecular biology and recombinant DNA Technology (16MB202)		Plant Biotechnology (16BT303)
31-07-2019 Wednesday						Chemistry and Metabolism of Lipids and Nucleic Acids (16BC303) / Basics in Biochemistry (16CH303)

19/6/19

Controller of Examinations

CONTROLLER OF EXAMINATIONS
DAYANANDA SAGAR UNIVERSITY
BENGALURU

Dayananda Sagar University

Time-table for Summer Semester Examinations– July 2016

I and II Semester B.Sc

Centre: Campus – I

Date	Courses 10.00 am – 1.00 pm	Courses 2.00 pm – 5.00 pm
15/07/2016 Friday	Fundamentals of Chemistry I **(15CH101)**	Organic Chemistry, Drug Synthesis and toxicology **(15BC102)**
16/07/2016 Saturday	Inorganic and Biophysical Chemistry **(15BC101)**	Microbial Diversity and Growth Kinetics **(15MB102)**
18/07/2016 Monday	Essentials of Cell Biology **(15BT101)**	Fundamentals of Chemistry II **(15CH102)**
19/07/2016 Tuesday	Non – Chordata **(15ZG101)**	Basic Genetics **(15GN102)**
20/07/2016 Wednesday	Fundamentals of Microbiology **(15MB101)**	Principles of Microbiology and Biostatistics **(15BT102)**
21/07/2016 Thursday	Fundamentals of Cell Biology **(15GN101)**	Non-Chordata and Comparative anatomy **(15ZG102)**
22/07/2016 Friday	General English **(15HU111)**	General English **(15HU112)**
23/07/2016 Saturday	Additional English **(15HU116)**	Additional English **(15HU120)**
25/07/2016 Monday	Environment and Public Health **(15EP191)**	Computer Applications & Info. Technology **(15CA192)**

Controller of Examinations

CONTROLLER OF EXAMINATIONS
DAYANANDA SAGAR UNIVERSITY
BENGALURU

To,

Concerned Dean.

Copy to,

PS to Vice Chancellor/PS to Registrar/CFO

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Remedial Class Time table for B.Sc. I & III Semester

Aug-Nov 2016

	2:00PM TO 4:00 PM
Saturdays after classes	BIOCHEMISTRY (1.08)
	BIOTECHNOLOGY (2.03)
	CHEMISTRY (1.06)
	MICROBIOLOGY (2.02)
	GENETICS (3.02)
	ZOOLOGY (3.03)

02/08/16

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member Dr Amrutha N/Dr Shyamala Gowda ..... Semester Odd (Remedial classes) 2018 Subject Zoology

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks I	II	III	Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56						
01	DSU15M 20001	Amar N.	2	2	2	2	2	0	2	2																										
02	DSU15M 20008	Manisha Rout	3	3	3	3	3	3	3	3																										
03	DSU15M 20010	Mohammed Muzaffa	2	2	2	2																														
04	DSU15M 20011	Narendra Bala	2	2	2	2	2																													
05	DSU15M 20012	Nishan Mukherjee	2	2	2	2	2																													
06	DSU15M 20014	Ritika R Jain	2	2	2	2	2																													
07	DSU15M 20015	Prasit Ray						3	3	3																										
08	DSU15B 20002	Bimal Mandal						4	3	3																										
09	DSU15 BZ0003	Nidhi Agarwal	2	2	2																															
10	DSU15 BZ0006	Sruti Kulakarni	1	1	1																															
11	DSU15 BZ0007	Pooja K.	3	3	3	3	3	3	3	3																										
Initials of Staff																																				
Initials of HOD																																				

Note : Attendance to be marked in Cumulatively only

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Remedial Class Time table for B.Sc. II & IV Semester

Jan-April 2017

	2:00PM TO 4:00 PM
Saturdays after classes	BIOCHEMISTRY (1.08)
	BIOTECHNOLOGY (2.03)
	CHEMISTRY (1.06)
	MICROBIOLOGY (2.02)
	GENETICS (3.02)
	ZOOLOGY (3.03)

22/01/17

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

15 BC 202

Name of the Staff Member: Dr Prabhakar Banavar | Semester | Subject: Physiology Lab

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks I	II	III	Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56						
01		Dhanpal	P	P	P	A	P	P	P	P																										
02		Vishwadeep	P	P	P	P	A	P	P	P																										
03		Ashish Das	P	P	P	P	A	P	P	P																										

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Remedial Class Time table for B.Sc. I & III Semester

Aug-Nov 2016

	2.00PM TO 4.00 PM
Saturdays after classes	BIOCHEMISTRY (1.08)
	BIOTECHNOLOGY (2.03)
	CHEMISTRY (1.06)
	MICROBIOLOGY (2.02)
	GENETICS (3.02)
	ZOOLOGY (3.03)

02/08/16

Dean.
School of Basic & Applied Sciences.
Dayananda Sagar University.
K.S. Layout, Bengaluru - 560 078.

Dr. Aneena Tasir

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member _____ Semester _____ Subject 16BC102 Organic Chemistry

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	'A' Marks I	II	III
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56					
	1)	N Vishal Moudi	P	P	P	P	P	P	P	P	P	P																							
	2)	Nahiya Fathima	P	P	P	P	P	P	P	P	P	P																							
Initials of Staff			M	M	M	M	M	M	M	M	M	M																							
Initials of HOD			H	H	H	H	H	H	H	H	H	H																							

Note : Attendance to be marked in Cumulatively only

No. of Working days _____ Average Attendance during the month No. on Roll during _____

DAYANANDA SAGAR UNIVERSITY

17MMB171

Name of the Staff Member: Dr Gautham C A — Semester: I Sem 2017 Regulations — Subject: General Microbiology

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks I	I 'A' Marks II	I 'A' Marks III	Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56						
	01	Tarun V	P	P	P	A	P	P	P	P	P	A	P	P	A	P	P	P	P																	
	02	Maakum	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	A	P																	
Initials of Staff			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S																	
Initials of HOD			H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H																	

Note : Attendance to be marked in Cumulatively only

No. of Working days

Average Attendance during the month No. on Roll during month

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Summer term Class Time table for B.Sc. I,II, III & IV Semester

June-July 2017

	10:00 AM to 12:00 PM	1:00PM TO 3:00 PM	3:00PM TO 5:00 PM
Monday	BIOTECHNOLOGY (2.03)	CHEMISTRY (1.06)	BIOCHEMISTRY (1.08)
Tuesday	MICROBIOLOGY (2.02)	GENETICS (3.02)	BIOTECHNOLOGY (2.03)
Wednesday	BIOCHEMISTRY (1.08)	BIOTECHNOLOGY (2.03)	CHEMISTRY (1.06)
Thursday	GENETICS (3.02)	BIOCHEMISTRY (1.08)	MICROBIOLOGY (2.02)
Friday	ZOOLOGY (3.03)	BIOTECHNOLOGY (2.03)	GENETICS (3.02)
Saturday	CHEMISTRY (1.06)	GENETICS (3.02)	

01/06/17

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

Sl. No.	USN No.	NAMES	
1			
2			

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Remedial Class Time table for B.Sc. I, III & V Semester

Jan-April 2018

	2:00PM TO 4:00 PM
Saturdays after classes	BIOCHEMISTRY (1.08)
	BIOTECHNOLOGY (2.03)
	CHEMISTRY (1.06)
	MICROBIOLOGY (2.02)
	GENETICS (3.02)

02/01/18

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.,

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: Dr. Arpan Kumar Nath. Semester: VI Sem 2019 Period I Jan Subject: Control Engineering

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks	Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56			I II III	
01		Narendra Babu	P	P	P	A	P	P	P	P	A	P																						
02		Hemalatha	P	P	P	P	A	P	P	P	P	P																						
03		Jyoth Kumar	P	P	P	P	P	A	P	P	P	P																						
04		Bharath Naralur	P	A	A	P	P	P	A	P	P	P																						
Initials of Staff																																		
Initials of HOD																																		

Note : Attendance to be marked in Cumulatively only

No. of Working days: Average Attendance during the month No. on Roll

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Remedial Class Time table for B.Sc. I, III & V Semester

Aug-Nov 2018

	2:00PM TO 4:00 PM
Saturdays after classes	BIOCHEMISTRY (1.08)
	BIOTECHNOLOGY (2.03)
	CHEMISTRY (1.06)
	MICROBIOLOGY (2.02)
	GENETICS (3.02)

01/08/18

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

Sl. No.	USN No.	NAMES	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
Initials of Staff			
Initials of Chairman / Dean			

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF BASIC AND APPLIED AND SCIENCES

Summer term Class Time table for B.Sc. I,II, III, IV, V & VI Semester

June-July 2018

	10:00 AM to 12:00 PM	1:00PM TO 3:00 PM	3:00PM TO 5:00 PM
Monday	BIOTECHNOLOGY (2.03)	CHEMISTRY (1.06)	BIOCHEMISTRY (1.08)
Tuesday	MICROBIOLOGY (2.02)	GENETICS (3.02)	BIOTECHNOLOGY (2.03)
Wednesday	BIOCHEMISTRY (1.08)	BIOTECHNOLOGY (2.03)	CHEMISTRY (1.06)
Thursday	GENETICS (3.02)	BIOCHEMISTRY (1.08)	MICROBIOLOGY (2.02)
Friday	ZOOLOGY (3.03)	BIOTECHNOLOGY (2.03)	GENETICS (3.02)
Saturday	CHEMISTRY (1.06)	GENETICS (3.02)	

01/06/18

Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member: DR. ARPAN KUMAR MAITY. Semester: 1ST SEMESTER. Subject: PHYSICS — TECHNOLOGY IN CIVIL ENGG.

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of days	% of Attendance	I 'A' Marks I	II	III	Final I.A. Marks
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56						
01.	BACH ELVERA	CASHE ELVERA FERNANDES.	P	P	P	P	P	P																							6	100%				
02.	BACH CHHETRI	PRIYANSHU PRIYA.	P	P	P	P	P	P																							6	100%				
Initials of Staff																																				
Initials of HOD																																				

Note : Attendance to be marked in Cumulatively only

No. of Working days | Average Attendance during the month No. on Roll during month

2.2 Student Diversity:

On the basis of the PU results to help the students bridge courses were conducted for students from science stream and commerce students whoever was equally interested. Further, during the academic session the students were classified into Rank holders, Average learners and slow learners on the basis of their performance in the internal examinations and the level of participation in the class activities observed by the mentor. The students who attended the extra classes ie. Remedial classes were as follows.

Batch: 2015-2018

Based on the observations made by the mentor and the performance of the student in the Internal examination in that ODD & even Semesters, it was found that the students had to be given extra remedial classes for the subjects Basis of Financial Accounting, Business Economics, Business Mathematics, Financial Management, and Corporate Accounting. Mostly the difficulty was observed and noted among the students who had studied science in the 12th std or PU stream. Based on the observations made, the students were given extra problems to work out, and some take home assignments were also given for them to work at home. The students were monitored once in every two days ie. 3 times in a week to stay back in the evening after 3 for a discussion with the mentor or the subject faculty and share the completed homework's assigned. A Remedial class Timetable was made by the concerned faculty in charge who monitored the classes and took inputs from the mentors and the faculty assigned for the subject. Quiz activities were also conducted for these students to help in understanding the concepts. Following this the students were also given some extra notes, PowerPoint slides and hand out materials.

I SEMESTER BBA

Financial Accounting-I

Topics

1. Basics of Accounting with golden rules were discussed
2. Journal Entries and Ledger – take home assignment given
3. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
4. Bank Reconciliation Statement & Final accounts with adjustments
5. Accounts from incomplete records or Single Entry System of Book keeping & Computerized accounting
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
	P	P	P	P	P	Ab	P
	P	P	P	P	P	P	P
	P	P	P	Ab	P	P	P
	P	Ab	P	Ab	P	P	P
	P	P	P	P	P	P	P
	P	P	Ab	Ab	P	P	P

II Semester BBA

QUANTITATIVE TECHNIQUES

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
	P	P	P	P	P	Ab	P	P
	P	P	P	P	P	P	P	P
	P	P	P	Ab	P	P	P	P
	P	Ab	P	Ab	P	P	P	P
	P	P	Ab	Ab	P	P	P	P
	P	P	P	P	P	P	P	P

FINANCIAL ACCOUNTING – II

Topics:

1. Discussion on Partnership Accounting, the Partnership deed & its Types of partners, Admission of partner, Retirement of Partner, Death of Partner, Dissolution of Partner
2. Problems on Issue of Shares, Application, Allotment, Calls, Issue at par, premium and Discount, Forfeiture and reissue of forfeited shares.
3. Simple problems on Preparation of Profit and Loss account, Appropriation of profit, Balance sheet in the vertical form with simple adjustments
4. Take home assignments on the concept of Concept of Financial statement, Types of financial analysis, Comparative statement, Common size financial statement, Trend Analysis and Ratio Analysis.
5. Discussion on the concept of and simple problems on Funds Flow, Current and Non-current accounts. Cash flow, Differences between Funds flow and Cash flow.
6. Previous years question papers given as Revision 1
7. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
	P	P	P	P	P	P	P
	P	P	P	P	P	P	P
	P	P	P	Ab	P	P	P
	P	P	P	Ab	P	P	P
	P	P	P	P	P	P	P

III Semester BBA
Financial Management
Topics:

1. Discussion on Introduction of Finance, the Finance Function, understanding the aim of Finance Function& Organization structure of finance - Financial Management – Goals of Financial Management – Financial Decisions – Role of a Financial Manager – Financial Planning – Steps in Financial Planning – Principles of a Sound Financial Planning.
2. Problems on Time Value of Money Introduction – Meaning & Definition – Need – Future Value, Present Value, Concept of Valuation – Valuation of Bonds & Debentures – Preference Shares – Equity Shares – Problems.
3. Theoretical understanding on Financing Decision and Investment Decision Introduction, Meaning of Capital Structure, Factors influencing Capital Structure – Optimum Capital Structure – EBIT – EBT – EPS –
4. Simple Problems on Analysis , Leverages, Types of Leverages –Investment Decisions: Introduction – Meaning and Definition of Capital Budgeting, Features, Significance, Process, Techniques

5. Simple problems on Payback Period – Accounting Rate of Return – Net Present Value – Internal Rate of Return – Profitability Index - Simple Problems.
6. Discussion on the concept of Dividend Decision, Introduction – Meaning and Definition, Determinants of Dividend Policy , Types of Dividends, Provisions under Campiness Act in relation to dividends.
7. Previous years question papers given as Revision 1
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7 QP revision	23/04 T8 QP revision
	P	P	P	P	P	P	P	P
	P	P	P	P	P	P	P	P
	P	P	P	Ab	P	P	P	P
	P	P	P	Ab	P	P	P	P
	P	P	P	P	P	P	P	P

IV Semester BBA

Cost Accounting

Topics:

1. Discussion on Cost accounting- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.
2. Meaning of material control- steps in material control-need-objective of material control- issue of material- methods of pricing material issues and simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7	23/04 T8 QP revision

	P	P	P	P	P	P	P	P
	P	P	P	P	P	P	P	P
	P	P	P	Ab	P	P	P	P
	P	P	P	Ab	P	P	P	P

Batch: 2016-2018

Based on the observations made by the mentor and the performance of the student in the Internal examination in that ODD & even Semesters, it was found that the students had to be given extra remedial classes for the subjects Basis of Financial Accounting, Business Economics, Business Mathematics, Financial Management, and Corporate Accounting. Mostly the difficulty was observed and noted among the students who had studied science in the 12th std or PU stream. Based on the observations made, the students were given extra problems to work out, and some take home assignments were also given for them to work at home. The students were monitored once in every two days ie. 3 times in a week to stay back in the evening after 3 for a discussion with the mentor or the subject faculty and share the completed homework's assigned. A Remedial class Timetable was made by the concerned faculty in charge who monitored the classes and took inputs from the mentors and the faculty assigned for the subject. Quiz activities were also conducted for these students to help in understanding the concepts. Following this the students were also given some extra notes, PowerPoint slides and hand out materials.

I SEMESTER BBA

Financial Accounting-I

Topics

1. Basics of Accounting with golden rules were discussed
2. Journal Entries and Ledger – take home assignment given
3. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
4. Bank Reconciliation Statement & Final accounts with adjustments
5. Accounts from incomplete records or Single Entry System of Book keeping & Computerized accounting
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS16BB0007 Ashish Kumar	P	P	P	P	P	Ab	P
CMS16BB0016 Dushyant Bhat	P	P	P	P	P	P	P
CMS16BB0032 Mohammed Qaid Ahmad Abdullah AL-Seri	P	P	P	Ab	P	P	P
CMS16BB0040 Pranav Ramesh	P	Ab	P	Ab	P	P	P
DSU15BB0047 Rohit Raj	P	P	P	P	P	P	P
CMS16BB0045 Rishav Ankit	P	P	P	P	P	P	P

II Semester BBA

QUANTITATIVE TECHNIQUES

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
CMS16BB0027 Mithinga Mushahary	P	P	P	P	P	Ab	P	P
CMS16BB0040 Pranav Ramesh	P	P	P	P	P	P	P	P
CMS16BB0045 Rishav Ankit	P	P	P	Ab	P	P	P	P
CMS16BB0008 Ashish Sonkar	P	Ab	P	Ab	P	P	P	P

FINANCIAL ACCOUNTING – II

Topics:

1. Discussion on Partnership Accounting, the Partnership deed & its Types of partners, Admission of partner, Retirement of Partner, Death of Partner, Dissolution of Partner
2. Problems on Issue of Shares, Application, Allotment, Calls, Issue at par, premium and Discount, Forfeiture and reissue of forfeited shares.
3. Simple problems on Preparation of Profit and Loss account, Appropriation of profit, Balance sheet in the vertical form with simple adjustments
4. Take home assignments on the concept of Concept of Financial statement, Types of financial analysis, Comparative statement, Common size financial statement, Trend Analysis and Ratio Analysis.
5. Discussion on the concept of and simple problems on Funds Flow, Current and Non-current accounts. Cash flow, Differences between Funds flow and Cash flow.
6. Previous years question papers given as Revision 1
7. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS16BB0027 Mithinga Mushahary	P	P	P	P	P	P	P
CMS16BB0040 Pranav Ramesh	P	P	P	P	P	P	P
CMS16BB0045 Rishav Ankit	P	P	P	Ab	P	P	P

III Semester BBA
Financial Management
Topics:

1. Discussion on Introduction of Finance, the Finance Function, understanding the aim of Finance Function& Organization structure of finance - Financial Management – Goals of Financial Management – Financial Decisions – Role of a Financial Manager – Financial Planning – Steps in Financial Planning – Principles of a Sound Financial Planning.
2. Problems on Time Value of Money Introduction – Meaning & Definition – Need – Future Value, Present Value, Concept of Valuation – Valuation of Bonds & Debentures – Preference Shares – Equity Shares – Problems.
3. Theoretical understanding on Financing Decision and Investment Decision Introduction, Meaning of Capital Structure, Factors influencing Capital Structure – Optimum Capital Structure – EBIT – EBT – EPS –
4. Simple Problems on Analysis , Leverages, Types of Leverages –Investment Decisions: Introduction – Meaning and Definition of Capital Budgeting, Features, Significance, Process, Techniques

5. Simple problems on Payback Period – Accounting Rate of Return – Net Present Value – Internal Rate of Return – Profitability Index - Simple Problems.
6. Discussion on the concept of Dividend Decision, Introduction – Meaning and Definition, Determinants of Dividend Policy , Types of Dividends, Provisions under Campiness Act in relation to dividends.
7. Previous years question papers given as Revision 1
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7 QP revision	23/04 T8 QP revision
CMS16BB0016 Dushyant Bhat	P	P	P	P	P	P	P	P
CMS16BB0032 Mohammed Qaid Ahmad Abdullah AL-Seri	P	P	P	P	P	P	P	P
CMS16BB0068 Nandavaram Venkata Megha Shyam	P	P	P	Ab	P	P	P	P
CMS16BB0064 Yashas S	P	P	P	Ab	P	P	P	P

IV Semester BBA
Cost Accounting
Topics:

1. Discussion on Cost accounting- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.
2. Meaning of material control- steps in material control-need-objective of material control-issue of material- methods of pricing material issues and simple problems [FIFO- LIFO-Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses-appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7	23/04 T8 QP revision
CMS16BB0052 Sai Shanmukha	P	P	P	P	P	P	P	P
CMS16BB0054 Shouvik Bhowal	P	P	P	P	P	P	P	P
CMS16BB0059 Ujwal Reddy	P	P	P	Ab	P	P	P	P
CMS16BB0068 Nandavaram Venkata Megha Shyam	P	P	P	Ab	P	P	P	P

Batch: 2017-2020

Based on the observations made by the mentor and the performance of the student in the Internal examination in that ODD & even Semesters, it was found that the students had to be given extra remedial classes for the subjects Financial Accounting-I , Corporate Law, Financial Management, Cost Accounting, Quantitative Techniques, Business Research Methods. Mostly the difficulty was observed and noted among the students who had studied science in the 12th std or PU stream. Based on the observations made, the students were given extra problems to work out, and some take home assignments were also given for them to work at home. The students were monitored once in every two days ie. 3 times in a week to stay back in the evening after 3 for a discussion with the mentor or the subject faculty and share the completed homework's assigned. A Remedial class Timetable was made by the concerned faculty in charge who monitored the classes and took inputs from the mentors and the faculty assigned for the subject. Quiz activities were also conducted for these students to help in understanding the concepts. Following this the students were also given some extra notes, PowerPoint slides and hand out materials.

I SEMESTER BBA

Financial Accounting-I

Topics

1.Basics of Accounting with golden rules were discussed
2. Journal Entries and Ledger – take home assignment given
3. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
4. Bank Reconciliation Statement & Final accounts with adjustments
5. Accounts from incomplete records or Single Entry System of Book keeping & Computerized accounting
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS17BB0008 AMEER MUSTHAFA P	P	P	P	P	P	Ab	P
CMS17BB0046 MOHIT M	P	P	P	P	P	P	P
CMS17BB0082 TUSHAN IMAM	P	P	P	Ab	P	P	P
CMS17BB0074 SUHARTH P	P	Ab	P	Ab	P	P	P
CMS17BB0031 KONDAPURAM MOHAMMED FOUZAN	P	P	P	P	P	P	P
CMS17BB0037 MAYUR KS	P	P	Ab	Ab	P	P	P

BUSINESS MATHEMATICS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS17BB0065 GAJULA SHREYES	P	P	P	P	P	Ab	P
CMS17BB0042 MOHAMMED JAVED	P	P	P	P	P	P	P
CMS17BB0015 ATISHAYA SRIVASTAVA	P	P	P	Ab	P	P	P
CMS17BB0037 MAYUR KS	P	Ab	P	Ab	P	P	P
CMS17BB0088 YERAMADDU JAYESH REDDY	P	P	P	P	P	P	P
CMS17BB0051 PAYAL JHA	P	P	Ab	Ab	P	P	P
CMS17BB0043 MOHAMMED SAQIB ILYAZ	P	P	P	P	P	P	P

II Semester BBA

QUANTITATIVE TECHNIQUES

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.

6. Revision 1 previous years question papers
7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
CMS17BB0032 KONDRU VENKATESH	P	P	P	P	P	Ab	P	P
CMS17BB0037 MAYUR KS	P	P	P	P	P	P	P	P
CMS17BB0042 MOHAMMED JAVED	P	P	P	Ab	P	P	P	P
CMS17BB0041 MOHAMMED FARHAN MEHDI	P	Ab	P	Ab	P	P	P	P
CMS17BB0051 PAYAL JHA	P	P	Ab	Ab	P	P	P	P
CMS17BB0073 SREERAMA SAI KUSHUL	P	P	P	P	P	P	P	P

FINANCIAL ACCOUNTING – II

Topics:

1. Discussion on Partnership Accounting, the Partnership deed & its Types of partners, Admission of partner, Retirement of Partner, Death of Partner, Dissolution of Partner
2. Problems on Issue of Shares, Application, Allotment, Calls, Issue at par, premium and Discount, Forfeiture and reissue of forfeited shares.
3. Simple problems on Preparation of Profit and Loss account, Appropriation of profit, Balance sheet in the vertical form with simple adjustments
4. Take home assignments on the concept of Concept of Financial statement, Types of financial analysis, Comparative statement, Common size financial statement, Trend Analysis and Ratio Analysis.
5. Discussion on the concept of and simple problems on Funds Flow, Current and Non-current accounts. Cash flow, Differences between Funds flow and Cash flow.
6. Previous years question papers given as Revision 1
7. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS17BB0063 SHANIS SHAMSUDHEEN	P	P	P	P	P	P	P
CMS17BB0025 H TANISH GOWDA	P	P	P	P	P	P	P
CMS17BB0031 KONDAPURAM MOHAMMED FOUZAN	P	P	P	Ab	P	P	P
CMS17BB0038 MEEM HYE MEHRAN	P	P	P	Ab	P	P	P
SAURAB KUMAR	P	P	P	P	P	P	P

III Semester BBA
Financial Management
Topics:

1. Discussion on Introduction of Finance, the Finance Function, understanding the aim of Finance Function& Organization structure of finance - Financial Management – Goals of Financial Management – Financial Decisions – Role of a Financial Manager – Financial Planning – Steps in Financial Planning – Principles of a Sound Financial Planning.
2. Problems on Time Value of Money Introduction – Meaning & Definition – Need – Future Value, Present Value, Concept of Valuation – Valuation of Bonds & Debentures – Preference Shares – Equity Shares – Problems.
3. Theoretical understanding on Financing Decision and Investment Decision Introduction, Meaning of Capital Structure, Factors influencing Capital Structure – Optimum Capital Structure – EBIT – EBT – EPS –
4. Simple Problems on Analysis , Leverages, Types of Leverages –Investment Decisions: Introduction – Meaning and Definition of Capital Budgeting, Features, Significance, Process, Techniques

5. Simple problems on Payback Period – Accounting Rate of Return – Net Present Value – Internal Rate of Return – Profitability Index - Simple Problems.
6. Discussion on the concept of Dividend Decision, Introduction – Meaning and Definition, Determinants of Dividend Policy , Types of Dividends, Provisions under Campiness Act in relation to dividends.
7. Previous years question papers given as Revision 1
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7 QP revision	23/04 T8 QP revision
CMS17BB0018 CELINA D CHAKMA	P	P	P	P	P	P	P	P
CMS17BB0037 MAYUR KS	P	P	P	P	P	P	P	P
CMS17BB0031 KONDAPURAM MOHAMMED FOUZAN	P	P	P	Ab	P	P	P	P
CMS17BB0038 MEEM HYE MEHRAN	P	P	P	Ab	P	P	P	P
CMS17BB00 SAURAB KUMAR	P	P	P	P	P	P	P	P

IV Semester BBA

Cost Accounting

Topics:

1. Discussion on Cost accounting- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.
2. Meaning of material control- steps in material control-need-objective of material control-issue of material- methods of pricing material issues and simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons

for differences.

8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7	23/04 T8 QP revision
CMS17BB0018 GAJULA SHREYES	P	P	P	P	P	P	P	P
CMS17BB0088 YERAMADDU JAYESH REDDY	P	P	P	P	P	P	P	P
CMS17BB0067 SHUBHAM KUMAR SHARMA	P	P	P	Ab	P	P	P	P
CMS17BB0051 PAYAL JHA	P	P	P	Ab	P	P	P	P

Batch: 2018-2021

Based on the observations made by the mentor and the performance of the student in the Internal examination in that ODD & even Semesters, it was found that the students had to be given extra remedial classes for the subjects Financial Accounting-I, Quantitative Techniques, Business Law, Corporate Accounting, Mathematics for Business, The difficulty was observed and noted among the students who had studied science in the 12th std or PU stream. Based on the observations made, the students were given extra problems to work out, and some take home assignments were also given for them to work at home. The students were monitored once in every two days ie. 3 times in a week to stay back in the evening after 3 for a discussion with the mentor or the subject faculty and share the completed homework's assigned. A Remedial class Timetable was made by the concerned faculty in charge who monitored the classes and took inputs from the mentors and the faculty assigned for the subject. Following this the students were also given some extra notes, PowerPoint slides and hand out materials.

Parents Teacher Meetings were conducted twice in a semester to discuss to the parents' about their ward's academic performance. This forum enables the parents to have a voice, and also allows the faculty to communicate the progress of their ward and the improvements expected. The parents can walk into the department anytime to discuss about their child's progress and performance.

I SEMESTER BBA

Financial Accounting-I

Topics

1. Basics of Accounting with golden rules were discussed
2. Journal Entries and Ledger – take home assignment given
3. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
4. Bank Reconciliation Statement & Final accounts with adjustments
5. Accounts from incomplete records or Single Entry System of Book keeping & Computerized accounting
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS18BB0014 ASIF ALI BS	P	P	P	P	P	Ab	P
CMS18BB0018 Bhavyashree.V	P	P	P	P	P	P	P
CMS18BB0033 Jazal mohammed chithari	P	P	P	Ab	P	P	P
CMS18BB0038 KOMEL RAZA VALLY	P	Ab	P	Ab	P	P	P
CMS18BB0048 Mousam Pathak	P	P	P	P	P	P	P
CMS18BB0079 Roshan Akshay Kumar	P	P	Ab	Ab	P	P	P

BUSINESS MATHEMATICS
Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS18BB0014 ASIF ALI BS	P	P	P	P	P	Ab	P
CMS18BB0008 ALTAMASH AZAM	P	P	P	P	P	P	P
CMS18BB0018 Bhavyashree.V	P	P	P	Ab	P	P	P
CMS18BB0029 Ganesh B suthar	P	Ab	P	Ab	P	P	P
CMS18BB0013 ARSHAAN KHAN	P	P	P	P	P	P	P
CMS18BB0017 BEECHIL NANDEIBAM	P	P	Ab	Ab	P	P	P
CMS18BB0031 HARSHITH R	P	P	Ab	Ab	Ab	Ab	P

II Semester BBA
QUANTITATIVE TECHNIQUES
Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers

7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
CMS18BB0014 ASIF ALI BS	P	P	P	P	P	Ab	P	P
CMS18BB0008 ALTAMASH AZAM	P	P	P	P	P	P	P	P
CMS18BB0018 Bhavyashree.V	P	P	P	Ab	P	P	P	P
CMS18BB0029 Ganesh B suthar	P	Ab	P	Ab	P	P	P	P
CMS18BB0013 ARSHAAN KHAN	P	P	Ab	Ab	P	P	P	P
CMS18BB0017 BEECHIL NANDEIBAM	P	P	P	P	P	P	P	P
CMS18BB0033 JAZAL M O HAMMED CHITHARI	P	P	P	P	P	Ab	P	P

FINANCIAL ACCOUNTING – II

Topics:

1.Discussion on Partnership Accounting, the Partnership deed & its Types of partners, Admission of partner, Retirement of Partner, Death of Partner, Dissolution of Partner

2. Problems on Issue of Shares, Application, Allotment, Calls, Issue at par, premium and Discount, Forfeiture and reissue of forfeited shares.
3. Simple problems on Preparation of Profit and Loss account, Appropriation of profit, Balance sheet in the vertical form with simple adjustments
4. Take home assignments on the concept of Concept of Financial statement, Types of financial analysis, Comparative statement, Common size financial statement, Trend Analysis and Ratio Analysis.
5. Discussion on the concept of and simple problems on Funds Flow, Current and Non-current accounts. Cash flow, Differences between Funds flow and Cash flow.
6. Previous years question papers given as Revision 1
7. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS18BBOO43 MOHAMMAD SHOAIB SAIT	P	P	P	P	P	P	P
CMS18BBOO65	P	P	P	P	P	P	P

PENUKONDA MOHAMMED ATIF KHAN							
CMS18BBOO68 PRAVEEN M	P	P	P	Ab	P	P	P
CMS18BBOO74 RAMYA N	P	P	P	Ab	P	P	P
CMS18BBO100 SHUBHAM SHARMA	P	P	P	P	P	P	P

Business Law
Topics:

1. Discussion on Meaning and definition of Law, Scope, Source of Indian Law, Legal environment of India.
2. Discussion on the definition, types of contract, Valid and Void contract, offer, acceptance, consideration, free consent, quasi contract, Breach of contract and remedies, simple caselets were discussed.
3. Take home assignments & discussion on Indemnity – Definition, Guarantee – Types of Guarantee, Surety, Rights and Duties, Differences between indemnity and guarantee, Bailment and Pledge.
4. Discussion on Consumer – Definition, Scope and Relevance of Consumer Protection Act, Consumer Protection Councils, Dispute Redressal system.
5. Discussion on Information Technology – Need for the Act, Digital Signature, E-Governance and Records, the Cyber Regulation Appellate Tribunal, Cyber Crimes, Punishment and Penalties.- Simple caselets discussion & real time cases were discussed.
6. Previous years question papers given as Revision 1
7. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS18BB0029 Ganesh B suthar	P	P	P	P	P	P	P
CMS18BB0013 ARSHAAN KHAN	P	P	P	P	P	P	P
CMS18BB0102 SIDDHARTH ANOOP SINGH	P	P	P	Ab	P	P	P
CMS18BB0108 TATHAGAT SHARMA	P	P	P	Ab	P	P	P
CMS18BB0121 YASH JAIN	P	P	Ab	Ab	Ab	P	P
CMS18BB0113 UPANSHU GUPTA	P	P	P	P	P	P	P

III Semester BBA
Financial Management
Topics:

1. Discussion on Introduction of Finance, the Finance Function, understanding the aim of Finance Function& Organization structure of finance - Financial Management – Goals of Financial Management – Financial Decisions – Role of a Financial Manager – Financial Planning – Steps in Financial Planning – Principles of a Sound Financial Planning.
2. Problems on Time Value of Money Introduction – Meaning & Definition – Need – Future Value, Present Value, Concept of Valuation – Valuation of Bonds & Debentures – Preference Shares – Equity Shares – Problems.
3. Theoretical understanding on Financing Decision and Investment Decision Introduction, Meaning of Capital Structure, Factors influencing Capital Structure – Optimum Capital Structure – EBIT – EBT – EPS –
4. Simple Problems on Analysis , Leverages, Types of Leverages –Investment Decisions: Introduction – Meaning and Definition of Capital Budgeting, Features, Significance, Process, Techniques

5. Simple problems on Payback Period – Accounting Rate of Return – Net Present Value – Internal Rate of Return – Profitability Index - Simple Problems.
6. Discussion on the concept of Dividend Decision, Introduction – Meaning and Definition, Determinants of Dividend Policy , Types of Dividends, Provisions under Campiness Act in relation to dividends.
7. Previous years question papers given as Revision 1
8. Previous years question papers given as Revision 1

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	22/11 T6	26/11 T7 QP revision	28/11 T8 QP revision
CMS18BB0013 ARSHAAN KHAN	P	P	P	P	P	P	P	P
CMS18BB0113 UPANSHU GUPTA	P	P	P	P	P	P	P	P
CMS18BBO100 SHUBHAM SHARMA	P	P	P	Ab	P	P	P	P
CMS18BBO109 TEIAS GOWDA B V	P	P	P	Ab	P	P	P	P
CMS18BBO109 MOUSAM PATHAK	P	P	P	P	Ab	P	P	P
CMS18BBO109 NITISH C	P	P	P	P	P	P	P	P
CMS18BBO030 GUDIPATI SAKETH	P	P	P	P	P	P	P	P

Corporate Accounting
Topics:

1. Discussion on Introduction Meaning- Kinds of Shares and debentures, recent developments in public issue of shares - Book building – process of book building in detail-Fixed price methods.
2. Discussion on the Valuation of Goodwill- features of goodwill- types of goodwill- Methods of valuing the goodwill – Arbitrary assessment, capitalization method;
3. Problems on Purchase of past average profits method, Super profit method. Valuation of shares: Intrinsic value method, Yield method and earning capacity method (theory and Basic problems).
4. Introduction – Meaning of Holding Company – Subsidiary Company – Steps – Pre Acquisition Profits , Problems on Post Acquisition Profits – Minority Interest – Cost of Control or Capital Reserve – Unrealized Profit – Mutual Indebtedness – Preparation of Consolidated Balance Sheet (As per AS21).
5. Discussion on the Pooling Method by nature of business (Amalgamation) and business purchase (Absorption and external reconstruction) as per Accounting Standards – 14. Difference between Amalgamation and Absorption - Calculation of

purchase Consideration under Different methods, Settlement of Purchase Consideration - Problems on Amalgamation, Absorption.

6. Discussion on IFRS and proposed changes in Indian Accounting Standards.
7. Previous years question papers given as Revision 1
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7 QP revision	23/04 T8 QP revision
CMSBBBOO78 ROOPESH M Y	P	P	P	P	P	P	P	P
CMSBBBO115 VENKATRAAMAN CR	P	P	P	P	P	P	P	P
CMS18BBOO41 LIKITH M	P	P	P	Ab	P	P	P	P
CMSlBBBOO2O BISHAL DEY	P	P	P	Ab	P	P	P	P
CMSlBBBOO16 B AIAYPRASATH	P	P	P	P	Ab	P	P	P
CMSlBBBOO27 DUDEKULA SOHAIL AKTHAR	P	P	P	P	P	P	P	P
CMSlBBBOO33 JAZAL MOHAMMED CHITHARI	P	P	P	P	P	P	P	P

IV Semester BBA

Cost Accounting

Topics:

1. Discussion on Cost accounting- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.
2. Meaning of material control- steps in material control-need-objective of material control- issue of material- methods of pricing material issues and simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6	23/04 T7	23/04 T8 QP revision
CMSlBBBOO29 Ganesh B suthar	P	P	P	P	P	P	P	P
CMSlBBBOO33 JAZAL MOHAMMED CHITHARI	P	P	P	P	P	P	P	P
CMSlBBBOO84 SANJAY S	P	P	P	Ab	P	P	P	P
CMSlBBBOO56 Nitish c	P	P	P	Ab	P	P	P	P

Batch: 2019-2022 BBA

FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.

Books Prescribed:

Wren• & Martin , Ed , High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:

Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.

With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers interest in learning is aroused and they make better progress. The classes were conducted for the subjects Basis of Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Business Research methods, Financial Management, and Corporate Accounting. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	22/11 T6	26/11 T7 QP revision	28/11 T8 QP revision
CMS19BB0038 Jai Pratap Singh Rathore	P	P	P	P	P	P	P	P
CMS19BB0034 G BHANU PRAKASH	P	P	P	P	P	P	P	P
CMS19BB0064 ROHAN D J	P	P	P	Ab	P	P	P	P
CMS19BB0064 MANIGANDAN D	P	P	P	Ab	P	P	P	P

BASICS OF FINANCIAL ACCOUNTING

Topics

1. Basics of Introduction to Financial Accounting: Accounting as an Information System, Importance and Scope, Limitations; Users of accounting information, Concepts, Principles and Conventions – Generally Accepted Accounting Principles; The Accounting Equation; Nature of Accounts, Types of books (Primary and Secondary) An overview of Subsidiary books – Purchase Book, Purchase Returns Book, Sales Book, and Sales Returns Book; Preparation of Ledger Accounts and Rules of Debit and Credit; Recording Transactions in Journal; Preparation of Ledger Accounts; Opening and Closing Entries; Preparation of Trial Balance; Opening and Closing Entries
2. Preparation of Financial Statements: Trading Account, Profit & Loss Account and Balance Sheet, Adjustment Entries - contents of financial statements of a joint stock company as per the Companies Act 2013 - contents of annual report of a company, Preparation of cash flow statement.
3. Indian Accounting Standards (Ind-AS): Concept, benefits, salient features of Ind-AS issued by ICAI; International Financial Reporting Standards(IFRS): Main features, uses and objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence.
4. Simple problems and take home assignments on Ratio Analysis-An introduction; Meaning and Usefulness of Financial Ratios. Liquidity Ratios, Solvency Ratios, Profitability Ratios, and Turnover Ratios; Limitation of ratio - Ratio Analysis from the perspective of Stakeholders (Investors, Lenders, and Short term Creditors).
5. Accounting software's – Introduction; Tally – Creation of Company – features – configurations – inventories – voucher entry in tally – advanced accounting environment in tally. Use of MS-Office Excel in Accounting Technique.
6. objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
7. Bank Reconciliation Statement & Final accounts with adjustments
8. Accounts from incomplete records or Single Entry System of Book keeping & Computerized accounting
9. Revision 1 previous years question papers
10. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS19BB0047 MOHAMMED AJMAL	P	P	P	P	P	Ab	P
CMS19BB0051	P	P	P	P	P	P	P

MUJEEB RAHMAN							
CMS19BB0043 KUSHAL C L	P	P	P	Ab	P	P	P
CMS19BB0065 RYAN NOEL BAST IN REX	P	Ab	P	Ab	P	P	P
CMS19BB0074 SYED LISANE MOHAMMED	P	P	P	P	P	P	P
CMS19BB0075 SYED SAQALAIN HADI	P	P	Ab	Ab	P	P	P
CMS19BB0086 PRITHVI RAJ S	P	P	P	P	P	P	P
CMS19BB0082 VIRAT SINGH CHANDAR	P	Ab	Ab	P	P	P	P
CMS19BB0071 SHREYAS S	P	Ab	P	P	P	P	P

MATHEMATICS FOR BUSINESS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS19BB0064 ROHAN D J	P	P	P	P	P	Ab	P
CMS19BB0075	P	P	P	P	P	P	P

SYED SAQALAIN HADI							
CMS19BB0065 RYAN NOEL BAST IN REX	P	P	P	Ab	P	P	P
CMS19BB0074 SYED LISANE MOHAMMED	P	Ab	P	Ab	P	P	P
CMS19BB0033 GOULI SALMAN	P	P	P	P	P	P	P

II Semester BBA

QUANTITATIVE TECHNIQUES

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
CMS19BB0023 DEEPAK CHEKURI C	P	P	P	P	P	Ab	P	P
CMS19BB0076 SADHYUTH B S	P	P	P	P	P	P	P	P
CMS19BB0009 AJAY KRISHNA CS	P	P	P	Ab	P	P	P	P

COST ACCOUNTING

Topics:

1. Discussion on Cost accounting- meaning and scope- objective- advantage of cost

accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.

2. Meaning of material control- steps in material control-need-objective of material control- issue of material- methods of pricing material issues and simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS19BB0068 SADHYUTH B S	P	P	P	P	P	P	P
CMS19BB0076 SYED ZAID BILAL	P	P	P	P	P	P	P
CMS19BB0023 DEEPAK CHEKURI C	P	P	P	Ab	P	P	P
CMS19BB0076 SADHYUTH B S	P	P	P	Ab	P	P	P
CMS19BB0009 AJAY KRISHNA CS	P	P	P	P	P	P	P

Business Law
Topics:

1. Discussion on Meaning and definition of Law, Scope, Source of Indian Law, Legal environment of India.
2. Discussion on the definition, types of contract, Valid and Void contract, offer,

acceptance, consideration, free consent, quasi contract, Breach of contract and remedies, simple caselets were discussed.

3. Take home assignments & discussion on Indemnity – Definition, Guarantee – Types of Guarantee, Surety, Rights and Duties, Differences between indemnity and guarantee, Bailment and Pledge.
4. Discussion on Consumer – Definition, Scope and Relevance of Consumer Protection Act, Consumer Protection Councils, Dispute Redressal system.
5. Discussion on Information Technology – Need for the Act, Digital Signature, E-Governance and Records, the Cyber Regulation Appellate Tribunal, Cyber Crimes, Punishment and Penalties.- Simple caselets discussion & real time cases were discussed.
6. Previous years question papers given as Revision 1
7. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS19BB0023 DEEPAK CHEKURI C	P	P	P	P	P	P	P
CMS19BB0076 SADHYUTH B S	P	P	P	P	P	P	P
CMS19BB0009 AJAY KRISHNA CS	P	P	P	Ab	P	P	P
CMS19BB0064 ROHAN D J	P	P	P	Ab	P	P	P
CMS19BB0075 SYED SAQALAIN HADI	P	P	Ab	Ab	Ab	P	P
CMS19BB0065 RYAN NOEL BAST IN REX	P	P	P	P	P	P	P

Batch: 2019-2022 BBA (BFSI)
FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.

Books Prescribed:

Wren• & Martin , Ed , High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:

Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.

With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers interest in learning is aroused and they make better progress. The classes were conducted for the subjects Basis of Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Business Research methods, Financial Management, and Corporate Accounting. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	22/11 T6	26/11 T7 QP revision	28/11 T8 QP revision
CMS19BF0003 ABIRBHAV DASTIDAR	P	P	P	P	P	P	P	P
CMS19BF0022 KAJAL KUMARI	P	P	P	P	P	P	P	P
CMS19BF0027 MOHAMMAD ANAS MANSURI	P	P	P	Ab	P	P	P	P
CMS19BF0032 NISHAN P	P	P	P	Ab	P	P	P	P

FINANCIAL ACCOUNTING - I

Topics

1. Basics of Introduction to Financial Accounting: Accounting as an Information System, Importance and Scope, Limitations; Users of accounting information, Concepts, Principles and Conventions – Generally Accepted Accounting Principles; The

Accounting Equation; Nature of Accounts, Types of books (Primary and Secondary) An overview of Subsidiary books – Purchase Book, Purchase Returns Book, Sales Book, and Sales Returns Book; Preparation of Ledger Accounts and Rules of Debit and Credit; Recording Transactions in Journal; Preparation of Ledger Accounts; Opening and Closing Entries; Preparation of Trial Balance; Opening and Closing Entries

2. Preparation of Financial Statements: Trading Account, Profit & Loss Account and Balance Sheet, Adjustment Entries - contents of financial statements of a joint stock company as per the Companies Act 2013 - contents of annual report of a company, Preparation of cash flow statement.
3. Indian Accounting Standards (Ind-AS): Concept, benefits, salient features of Ind-AS issued by ICAI; International Financial Reporting Standards(IFRS): Main features, uses and objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence.
4. Simple problems and take home assignments on Ratio Analysis-An introduction; Meaning and Usefulness of Financial Ratios. Liquidity Ratios, Solvency Ratios, Profitability Ratios, and Turnover Ratios; Limitation of ratio - Ratio Analysis from the perspective of Stakeholders (Investors, Lenders, and Short term Creditors).
5. Accounting software's – Introduction; Tally – Creation of Company – features – configurations – inventories – voucher entry in tally – advanced accounting environment in tally. Use of MS-Office Excel in Accounting Technique.
6. objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
7. Bank Reconciliation Statement & Final accounts with adjustments
8. Accounts from incomplete records or Single Entry System of Book keeping & Computerized accounting
9. Revision 1 previous years question papers
10. Revision 2 previous years question papers

USN & Student Name	19/09 T1	22/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS19BF0003 ABIRBHAV DASTIDAR	P	P	P	P	P	Ab	P
CMS19BF0022 KAJAL KUMARI	P	P	P	P	P	P	P
CMS19BF0027 MOHAMMAD ANAS MANSURI	P	P	P	Ab	P	P	P
CMS19BF0032 NISHAN P	P	Ab	P	Ab	P	P	P
CMS19BF0035	P	P	P	P	P	P	P

RASHMI M							
CMS19BF0045 VIGHNESH	P	P	Ab	Ab	P	P	P
CMS19BF0050 DHANUSH K CHAVAN	P	P	P	P	P	P	P
CMS19BF0009 ASHITH SANJAY BYSIL	P	Ab	Ab	P	P	P	P

Batch: 2020-2021 BBA

FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.

Books Prescribed:

Wren• & Martin , Ed , High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:

Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.

With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers interest in learning is aroused and they make better progress. The classes were conducted for the subjects Basis of Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Business Research methods, Financial Management, and Corporate Accounting. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	22/11 T6	26/11 T7 QP revision	28/11 T8 QP revision
CMS20BB0027 K. Naga Sudarshan Reddy	P	P	P	P	P	P	P	P
CMS20BB0023 GaganDeep	P	P	P	P	P	P	P	P
CMS20BB0006 Mahesh Bhupati	P	P	P	Ab	P	P	P	P
CMS20BB0041 Rahul Lalwani	P	P	P	Ab	P	P	P	P

BASICS OF FINANCIAL ACCOUNTING

Topics

1. Basics of Introduction to Financial Accounting: Accounting as an Information System, Importance and Scope, Limitations; Users of accounting information, Concepts, Principles and Conventions – Generally Accepted Accounting Principles; The Accounting Equation; Nature of Accounts, Types of books (Primary and Secondary) An overview of Subsidiary books – Purchase Book, Purchase Returns Book, Sales Book, and Sales Returns Book; Preparation of Ledger Accounts and Rules of Debit and Credit; Recording Transactions in Journal; Preparation of Ledger Accounts; Opening and Closing Entries; Preparation of Trial Balance; Opening and Closing Entries
2. Preparation of Financial Statements: Trading Account, Profit & Loss Account and Balance Sheet, Adjustment Entries - contents of financial statements of a joint stock company as per the Companies Act 2013 - contents of annual report of a company, Preparation of cash flow statement.
3. Depreciation accounts- straight line & written down value methods – problems discussion
4. Simple problems and take-home assignments on Ratio Analysis-An introduction; Meaning and Usefulness of Financial Ratios. Liquidity Ratios, Solvency Ratios, Profitability Ratios, and Turnover Ratios; Limitation of ratio - Ratio Analysis from the perspective of Stakeholders (Investors, Lenders, and Short term Creditors).
5. Financial Statement Analysis- Theory Revision with problems
6. Ratio Analysis – Discussion & Problems.
7. Bank Reconciliation Statement & Final accounts with adjustments
8. Accounts from incomplete records or Single-Entry System of Book keeping & Computerized accounting
9. Revision 1 previous years question papers
10. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS20BB0023 GaganDeep	P	P	P	P	P	Ab	P
CMS20BB0006 Mahesh Bhupati	P	P	P	P	P	P	P
CMS20BB0041 Rahul Lalwani	P	P	P	Ab	P	P	P
CMS20BB0033 Hasheim Khan	P	P	P	P	P	P	P
CMS20BB0034 Mohammed Junaid	P	P	Ab	Ab	P	P	P
CMS20BB0007 Afifa Frozan	P	P	P	P	P	P	P
CMS20BB0059 Upasana Lahiri	P	Ab	Ab	P	P	P	P

MATHEMATICS FOR BUSINESS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS20BB0007 Afifa Frozan	P	P	P	P	P	Ab	P
CMS20BB0059 Upasana Lahiri	P	P	P	P	P	P	P

CMS20BB0041 Rahul Lalwani	P	P	P	Ab	P	P	P
CMS20BB0033 Hasheim Khan	P	Ab	P	Ab	P	P	P
CMS20BB0034 Mohammed Junaid	P	P	P	P	P	P	P

II Semester BBA

QUANTITATIVE TECHNIQUES

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous years question papers
7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
CMS20BB0007 Afifa Frozan	P	P	P	P	P	Ab	P	P
CMS20BB0057 Ujjwal Raj	P	P	P	P	P	P	P	P
CMS20BB0059 Upasana Lahiri	P	P	P	Ab	P	P	P	P

COST ACCOUNTING

Topics:

1.Discussion on Cost accounting- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation

of cost sheet.

2. Meaning of material control- steps in material control-need-objective of material control- issue of material- methods of pricing material issues and simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS20BB0001 A.G Rishika	P	P	P	P	P	P	P
CMS20BB0009 AKASH CHAHAL	P	P	P	P	P	P	P
CMS20BB0045 REVAN KUMAR	P	P	P	Ab	P	P	P
CMS20BB0047 ROBIN	P	P	P	Ab	P	P	P
CMS20BB0046 RITU RAJ	P	P	P	P	P	P	P

Batch: 2021-2022 BBA

FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of

English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.
Books Prescribed:

- Wren & Martin, Ed, High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:
Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.
With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers' interest in learning is aroused and they make better progress. The classes were conducted for the subjects Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Business Research methods, Financial Management, and Corporate Accounting. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	22/11 T6	26/11 T7 QP revision	28/11 T8 QP revision
CMS21BB0037 LIKITH.C	P	P	P	P	P	P	P	P
CMS21BB0061 S. IBRAHIM	P	P	Ab	P	P	P	Ab	P
CMS21BB0063 SACHIN.D	P	P	P	Ab	P	P	P	P
CMS21BB0080 UDAY KIRAN. S	P	P	P	Ab	P	P	P	P
CMS21BB0095 SORAM JEMSON SINGH	P	P	Ab	AB	P	P	Ab	P

ACCOUNTING FOR MANAGERS
Topics

1. Basics of Introduction to Financial Accounting: Accounting as an Information System, Importance and Scope, Limitations; Users of accounting information, Concepts, Principles and Conventions – Generally Accepted Accounting Principles; The Accounting Equation; Nature of Accounts, Types of books (Primary and Secondary) An overview of Subsidiary books – Purchase Book, Purchase Returns Book, Sales

Book, and Sales Returns Book; Preparation of Ledger Accounts and Rules of Debit and Credit; Recording Transactions in Journal; Preparation of Ledger Accounts; Opening and Closing Entries; Preparation of Trial Balance; Opening and Closing Entries

2. Preparation of Financial Statements: Trading Account, Profit & Loss Account and Balance Sheet, Adjustment Entries - contents of financial statements of a joint stock company as per the Companies Act 2013 - contents of annual report of a company, Preparation of cash flow statement.
3. Indian Accounting Standards (Ind-AS): Concept, benefits, salient features of Ind-AS issued by ICAI; International Financial Reporting Standards(IFRS): Main features, uses and objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence.
4. Simple problems and take home assignments on Ratio Analysis-An introduction; Meaning and Usefulness of Financial Ratios. Liquidity Ratios, Solvency Ratios, Profitability Ratios, and Turnover Ratios; Limitation of ratio - Ratio Analysis from the perspective of Stakeholders (Investors, Lenders, and Short term Creditors).
5. Accounting software's – Introduction; Tally – Creation of Company – features – configurations – inventories – voucher entry in tally – advanced accounting environment in tally. Use of MS-Office Excel in Accounting Technique.
6. objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
7. Bank Reconciliation Statement & Final accounts with adjustments
8. Accounts from incomplete records or Single-Entry System of Book keeping & Computerized accounting
9. Revision 1 previous years question papers
10. Revision 2 previous years question papers

USN & Student Name	19/09 T1	22/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS21BB0037 LIKITH.C	P	P	P	P	P	Ab	P
CMS21BB0061 S. IBRAHIM	P	P	P	P	P	P	P
CMS21BB0063 SACHIN.D	P	P	P	Ab	P	P	P
CMS21BB0064 SANTANU PAUL	P	Ab	P	P	P	P	Ab
CMS21BB0080 UDAY KIRAN. S	P	Ab	P	Ab	P	P	P
CMS21BB0095	P	P	P	P	P	P	P

SORAM JEMSON SINGH							
CMS21BB0094 TADE YASHWANTH	P	P	Ab	Ab	P	P	P
CMS21BB0093 MOHAMMAD ASHRAF YATOO	Ab	P	P	P	P	P	P

MATHEMATICS FOR BUSINESS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	25/09 T2	02/10 T3	09/10 T4	16/10 T5	23/10 T6 QP revision	30/10 T7 QP revision
CMS21BB0037 LIKITH.C	P	P	P	P	P	Ab	P
CMS21BB0038 MANOJ.A	P	P	P	P	P	Ab	P
CMS21BB0046 NAMITH B. S	P	Ab	P	P	P	Ab	Ab
CMS21BB0061 S. IBRAHIM	P	P	P	P	P	P	P
CMS21BB0063 SACHIN.D	P	P	P	Ab	P	P	P
CMS21BB0064 SANTANU PAUL	P	Ab	P	Ab	P	P	P
CMS21BB0080 UDAY KIRAN. S	P	P	P	P	P	P	P
CMS21BB0095	P	P	P	Ab	P	P	P

SORAM JEMSON SINGH							
CMS21BB0094 TADE YASHWANTH	Ab	P	P	Ab	P	P	Ab
CMS21BB0093 MOHAMMAD ASHRAF YATOO	P	P	P	P	P	Ab	Ab

II Semester BBA

QUANTITATIVE TECHNIQUES

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous year's question papers
8. Revision 3 previous year's question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	30/04 T8 QP revision
CMS21BB0038 MANOJ.A	P	P	P	P	P	Ab	P	P
CMS21BB0046 NAMITH B. S	P	P	P	P	P	P	P	P
CMS21BB0061 S. IBRAHIM	P	P	P	Ab	P	P	P	P
CMS21BB0063 SACHIN.D	Ab	P	P	P	P	P	P	P
CMS21BB0064 SANTANU PAUL	P	P	P	Ab	P	P	P	P

CMS21BB0080 UDAY KIRAN. S	P	P	P	P	P	Ab	P	P

COST ACCOUNTING

Topics:

1.Discussion on Cost accounting- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.

2. Meaning of material control- steps in material control-need-objective of material control- issue of material- methods of pricing material issues and simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ
3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS21BB0064 SANTANU PAUL	P	P	P	P	P	P	P
CMS21BB0080 UDAY KIRAN. S	P	P	P	P	P	P	P
CMS21BB0095 SORAM JEMSON SINGH	P	P	P	Ab	P	P	P
CMS21BB0094 TADE YASHWANTH	P	P	P	Ab	P	P	P
CMS21BB0093 MOHAMMAD ASHRAF YATOO	P	P	P	P	P	P	P

Batch: 2021-2022 BBA (BFSI)

FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.

Books Prescribed:

- Wren & Martin, Ed, High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:

Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.

With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers interest in learning is aroused and they make better progress. The classes were conducted for the subjects Basis of Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Business Research methods, Financial Management, and Corporate Accounting. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	22/11 T6	26/11 T7 QP revision	28/11 T8 QP revision
CMS21BB0001 ADITYA S	P	P	P	P	P	P	P	P
CMS21BF0003 CHARAN KUMAR S	P	P	P	P	P	P	P	P
CMS21BF0004 DHEERAJ KUMAR	P	P	P	Ab	P	P	P	P
CMS21BF0013	P	P	P	Ab	P	P	P	P

RISHIT SHETTY K								

FINANCIAL ACCOUNTING

Topics

1. Basics of Introduction to Financial Accounting: Accounting as an Information System, Importance and Scope, Limitations; Users of accounting information, Concepts, Principles and Conventions – Generally Accepted Accounting Principles; The Accounting Equation; Nature of Accounts, Types of books (Primary and Secondary) An overview of Subsidiary books – Purchase Book, Purchase Returns Book, Sales Book, and Sales Returns Book; Preparation of Ledger Accounts and Rules of Debit and Credit; Recording Transactions in Journal; Preparation of Ledger Accounts; Opening and Closing Entries; Preparation of Trial Balance; Opening and Closing Entries
2. Preparation of Financial Statements: Trading Account, Profit & Loss Account and Balance Sheet, Adjustment Entries - contents of financial statements of a joint stock company as per the Companies Act 2013 - contents of annual report of a company, Preparation of cash flow statement.
3. Indian Accounting Standards (Ind-AS): Concept, benefits, salient features of Ind-AS issued by ICAI; International Financial Reporting Standards (IFRS): Main features, uses and objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence.
4. Simple problems and take-home assignments on Ratio Analysis-An introduction; Meaning and Usefulness of Financial Ratios. Liquidity Ratios, Solvency Ratios, Profitability Ratios, and Turnover Ratios; Limitation of ratio - Ratio Analysis from the perspective of Stakeholders (Investors, Lenders, and short-term Creditors).
5. Accounting software's – Introduction; Tally – Creation of Company – features – configurations – inventories – voucher entry in tally – advanced accounting environment in tally. Use of MS-Office Excel in Accounting Technique.
6. objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
7. Bank Reconciliation Statement & Final accounts with adjustments
8. Accounts from incomplete records or Single-Entry System of Book keeping & Computerized accounting
9. Revision 1 previous year's question papers
10. Revision 2 previous year's question papers

USN & Student Name	04/10 T1	05/10 T2	06/10 T3	07/10 T4	08/10 T5	11/10 T6 QP revision	13/10 T7 QP revision
CMS21BB0001 ADITYA S	P	P	P	P	P	Ab	P

CMS21BF0003 CHARAN KUMAR S	P	P	P	P	P	P	P
CMS21BF0004 DHEERAJ KUMAR	P	P	P	Ab	P	P	P
CMS21BF0006 GOKUL PRASHANTH G N	P	Ab	P	Ab	P	P	P
CMS21BF0011 PHERDOR LANG SLONG	P	P	P	P	P	P	P
CMS21BF0013 RISHIT SHETTY K	P	P	Ab	Ab	P	P	P

II Semester

QUANTITATIVE METHODS FOR BUSINESS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous years question papers
8. Revision 3 previous years question papers

USN & Student Name	21/03 T1	22/03 T2	23/03 T3	24/03 T4	25/03 T5	26/03 T6 QP revision	28/03 T7 QP revision

CMS21BB0001 ADITYA S	P	P	P	P	P	Ab	P
CMS21BF0003 CHARAN KUMAR S	P	P	P	P	P	P	P
CMS21BF0004 DHEERAJ KUMAR	P	P	P	Ab	P	P	P
CMS21BF0006 GOKUL PRASHANTH G N	P	Ab	P	Ab	P	P	P
CMS21BF0011 PHERDOR LANG SLONG	P	P	P	P	P	P	P
CMS21BF0013 RISHIT SHETTY K	P	P	Ab	Ab	P	P	P

Batch B.com (ACCA) 2021-2022

FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.

Books Prescribed:

- Wren & Martin, Ed, High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:

Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.

With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers' interest in learning is aroused and they make better progress. The classes were conducted for the subjects Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Business Research methods, Financial Management, and Corporate Accounting. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	25/10 T6	26/10 T7 QP revision	28/10 T8 QP revision
CMS21BC0011 AVANTIKA DIXIT	P	P	P	P	P	P	P	P
CMS21BC0015 K M CHANDANA	P	P	Ab	P	P	P	Ab	P
CMS21BC0029 JISHNU MURALIDHARAN	P	P	P	Ab	P	P	P	P
CMS21BC0041 MOHAMMED FAZAL	P	P	P	Ab	P	P	P	P
CMS21BC0049 R PRANAV GANESH	P	P	Ab	AB	P	P	Ab	P

FINANCIAL ACCOUNTING

Topics

1. Basics of Introduction to Financial Accounting: Accounting as an Information System, Importance and Scope, Limitations; Users of accounting information, Concepts, Principles and Conventions – Generally Accepted Accounting Principles; The Accounting Equation; Nature of Accounts, Types of books (Primary and Secondary) An overview of Subsidiary books – Purchase Book, Purchase Returns Book, Sales Book, and Sales Returns Book; Preparation of Ledger Accounts and Rules of Debit and Credit; Recording Transactions in Journal; Preparation of Ledger Accounts; Opening and Closing Entries; Preparation of Trial Balance; Opening and Closing Entries
2. Preparation of Financial Statements: Trading Account, Profit & Loss Account and Balance Sheet, Adjustment Entries - contents of financial statements of a joint stock company as per the Companies Act 2013 - contents of annual report of a company, Preparation of cash flow statement.
3. Indian Accounting Standards (Ind-AS): Concept, benefits, salient features of Ind-AS issued by ICAI; International Financial Reporting Standards(IFRS): Main features, uses and objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence.
4. Simple problems and take home assignments on Ratio Analysis-An introduction; Meaning and Usefulness of Financial Ratios. Liquidity Ratios, Solvency Ratios,

Profitability Ratios, and Turnover Ratios; Limitation of ratio - Ratio Analysis from the perspective of Stakeholders (Investors, Lenders, and Short term Creditors).

5. Accounting software's – Introduction; Tally – Creation of Company – features – configurations – inventories – voucher entry in tally – advanced accounting environment in tally. Use of MS-Office Excel in Accounting Technique.
6. objectives of IFRS, IFRS issued by IASB and concept of harmonization and convergence, obstacle in harmonization and convergence. Discussion on Trial Balance, errors and their rectification, Capital and Revenue, Depreciation, Provisions and Reserves,
7. Bank Reconciliation Statement & Final accounts with adjustments
8. Accounts from incomplete records or Single-Entry System of Book keeping & Computerized accounting
9. Revision 1 previous year's question papers
10. Revision 2 previous years question papers

USN & Student Name	20/09 T1	22/09 T2	04/10 T3	06/10 T4	12/10 T5	13/10 T6 QP revision	18/10 T7 QP revision
CMS21BC0011 AVANTIKA DIXIT	P	P	P	P	P	Ab	P
CMS21BC0015 K M CHANDANA	P	P	P	P	P	P	P
CMS21BC0029 JISHNU MURALIDHARAN	P	P	P	Ab	P	Ab	P
CMS21BC0041 MOHAMMED FAZAL	AB	Ab	P	P	P	P	Ab
CMS21BC0042 MOHAMMED ZUBAIR	P	Ab	P	Ab	P	P	P
CMS21BC0049 R PRANAV GANESH	P	P	P	P	P	P	Ab
CMS21BC0043 MOHAMMED SAHIL K	P	P	Ab	Ab	P	P	P
CMS21BC0044 MUHAMMED ISHAM B N	Ab	AB	P	P	P	P	P

MATHEMATICS FOR BUSINESS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous years question papers

USN & Student Name	18/09 T1	24/09 T2	04/10 T3	08/10 T4	15/10 T5	22/10 T6 QP revision	29/10 T7 QP revision
CMS21BC0015 K M CHANDANA	P	P	P	P	P	Ab	P
CMS21BC0029 JISHNU MURALIDHARAN	P	P	P	P	P	Ab	P
CMS21BC0041 MOHAMMED FAZAL	P	Ab	P	P	P	Ab	Ab
CMS21BC0042 MOHAMMED ZUBAIR	P	P	P	P	P	P	P
CMS21BC0036 KUSHI YADAV M	P	P	P	Ab	P	P	P
CMS21BC0049 R PRANAV GANESH	P	Ab	P	Ab	P	P	P
CMS21BC0066 TANVEER M	P	P	P	P	P	P	P
CMS21BC0070 VIVEK NAVADA S	P	P	P	Ab	P	P	P
CMS21BC0023 DHEERAJ	Ab	P	P	Ab	P	P	Ab

II Semester B.COM(ACCA)
QUANTITATIVE METHODS FOR BUSINESS
Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.
3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous year's question papers
8. Revision 3 previous year's question papers

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	26/04 T8 QP revision
CMS21BC0023 DHEERAJ	P	P	P	P	P	Ab	P	P
CMS21BC0015 K M CHANDANA	P	P	P	P	P	P	P	P
CMS21BC0016 CHETAN J	P	P	P	Ab	P	P	P	P
CMS21BC0041 MOHAMMED FAZAL	Ab	P	P	P	P	P	P	P
CMS21BC0042 MOHAMMED ZUBAIR	P	P	P	Ab	P	P	P	P
CMS21BC0049 R PRANAV GANESH	P	P	P	P	P	Ab	P	P

ELEMENTS OF COSTING

Topics:

1.Discussion on Costing- meaning and scope- objective- advantage of cost accounting- cost concept - cost center- cost unit- classification and element of cost- costing method and technique- activity based costing- target costing , Preparation of cost sheet.

2. Meaning of material control- steps in material control-need-objective of material control- issue of material- methods of pricing material issues and

simple problems [FIFO- LIFO- Simple and weighted average methods only]. Minimum level - maximum level- re-order level – EOQ

3. Problems on ABC analysis, VED analysis
4. Discussion on Meaning of Labour cost, Types, Direct Labour, Indirect Labour, Idle Time, Overtime, Labour Turn Over.
5. Problems on Methods of remunerating labour, Time rate and Piece rate systems - Halsey & Rowan premium plans
6. Meaning and classification of overhead costs- allocation of overhead expenses- appointment of overhead expenses- basis of appointment- primary and secondary distributions. Problems on Repeated & simultaneous equation method only, Absorption of Overheads – Machine Hour rate only.
7. Practical problems on Reconciliation of Cost and Financial Accounts Meaning, reasons for differences.
8. Previous years question papers given as Revision 1

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision
CMS21BC0016 CHETAN J	P	P	P	P	P	P	P
CMS21BC0041 MOHAMMED FAZAL	P	P	P	P	P	P	P
CMS21BC0042 MOHAMMED ZUBAIR	P	P	P	Ab	P	P	P
CMS21BC0049 R PRANAV GANESH	P	P	P	Ab	P	P	P
CMS21BC0004 AJWAD ABDULLA	Ab	P	P	Ab	P	Ab	P

Batch B.com (CMA) 2021-2022

FOR ALL STUDENTS

To bridge the gap between higher secondary and tertiary levels of education, a bridge course is being organized for one week and meticulous training in English is provided for the fresher's. A structured plan is sort out for seven days. Every day the facilitators train the students for four hours as per schedule and one hour is allotted for discussion. The tasks are given on improving the spoken English capabilities of the student by teaching the Basics of

English Grammar and tasks are given to develop their LSRW skills. Audio and video are played in order to teach them right pronunciation.
Books Prescribed:

- Wren & Martin, Ed, High School English Grammar & Composition, S.Chand & Company, New Delhi, 2016. English and Soft Skills (Bridge Intensive Course), Department of English, Sri G.V.G

FOR SLOW LEARNERS:
Remedial Coaching – Students with learning difficulties is provided additional help to bring them back into the mainstream classes.
With proper remedial help, closer supervision, more individual attention and the use of stimulating teaching strategies, these low academic achievers' interest in learning is aroused and they make better progress. The classes were conducted for the subjects Financial Accounting, Principles of management, Business Mathematics, Quantitative Techniques, Business Law, Financial Planning & Performance, and marketing Behaviour & Cost Analysis. The students also helped by giving the previous semesters question papers and assessed.

I Semester

ENGLISH

USN & Student Name	14/10 T1	16/10 T2	18/10 T3	22/10 T4	23/10 T5	25/10 T6	26/10 T7 QP revision	28/10 T8 QP revision
CMS21MA0007 JAGAN R	P	P	P	P	P	P	P	P
CMS21MA0011 GOVINDARAJULA PRUDHVIDHAR	Ab	P	Ab	P	P	P	Ab	P
CMS21MA0027 SAI KRUTHIK DATTA	P	P	P	Ab	P	P	P	P
CMS21MA0035 YOGESH D N	P	P	P	Ab	P	P	P	P
CMS21MA0037 ABHISHEK A V	P	P	Ab	AB	P	P	Ab	P

MATHEMATICS FOR BUSINESS
Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.

3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous years question papers.

USN & Student Name	18/09 T1	24/09 T2	04/10 T3	08/10 T4	15/10 T5	22/10 T6 QP revision	29/10 T7 QP revision
CMS21MA0007 JAGAN R	P	P	P	P	P	Ab	P
CMS21MA0011 GOVINDARAJULLA PRUDHVIDHAR	P	P	P	P	P	Ab	P
CMS21MA0027 SAI KRUTHIK DATTA	P	Ab	P	P	P	Ab	Ab
CMS21MA0035 YOGESH D N	P	P	P	P	P	P	P
CMS21MA0037 ABHISHEK A V	P	P	P	Ab	P	P	P
CMS21MA0038 ADITHYA B G	P	Ab	P	Ab	P	P	P
CMS21MA0039 AFFAN BAIG	Ab	Ab	Ab	Ab	Ab	Ab	Ab
CMS21MA0030 STEVEN JACKSON S	P	P	P	Ab	P	P	P
CMS21MA0019 MOHAMMED SHADAAB	Ab	P	P	Ab	P	P	Ab

II Semester B.COM(ACCA)

QUANTITATIVE METHODS FOR BUSINESS

Topics

1. Classification and Tabulation of Data, Frequency Distribution, Graphical representation of data using different curves
2. Problems on measuring the Mean, Median, Mode, Arithmetic Mean, Geometric Mean, and Harmonic Mean & Standard Deviation take home assignment were given.

3. Discussion on Correlation, types of correlation, Regression, Linear Regression, Regression Equation, Method of Least Square. Problems.
4. Problems on the Components of Time Series, Measurement of Trend and the Method of Moving averages
5. Problems on theory of probability, Probability of Simple event, probability of Composite event, Addition rule, Multiplication rule, conditional probability.
6. Revision 1 previous year's question papers
7. Revision 2 previous year's question papers
8. Revision 3 previous year's question papers

USN & Student Name	14/03 T1	16/03 T2	21/03 T3	23/03 T4	28/03 T5	02/04 T6 QP revision	05/04 T7 QP revision	11/04 T8 QP revision
CMS21MA0007 JAGAN R	P	P	P	P	P	Ab	P	P
CMS21MA0011 GOVINDARAJULLA PRUDHVIDHAR	P	P	P	P	P	P	P	P
CMS21MA0030 STEVEN JACKSON S	P	P	P	Ab	P	P	P	P
CMS21MA0039 AFFAN BAIG	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
CMS21MA0037 ABHISHEK A V	P	P	P	Ab	P	P	P	P
CMS21MA0038 ADITHYA B G	P	P	P	P	P	Ab	P	P

FINANCIAL CONTROL

TOPICS

1. Introduction to cost Measurement Concepts- understand the Cost behaviour and cost objects-Actual and normal costs- Standard costs - Absorption(full) costing, Variable (direct) costing- Joint and by-product costing
2. Learn the Costing Systems and Overhead Costs , Job order costing- Process costing-Activity-based costing- Life-cycle costing- Fixed and variable, overhead expenses-Plant-wide versus departmental overhead -Determination of allocation base, Allocation of service department costs

3. Understand the Supply Chain Management and Business Process Improvement- Lean manufacturing- Enterprise resource planning (ERP)- Theory of constraints and through put costing -Capacity management and analysis - Value chain analysis- Value-added concepts- Process analysis - Activity-based management-Continuous improvement concepts- Best practice analysis and Cost of quality analysis, Efficient accounting processes.
4. Discussion on understanding the Internal Controls, the structure, management philosophy and Internal control policies for safeguarding and assurance. The Internal control risk-Corporate governance along with External & Internal audit requirements auditing is understood.
5. The Systems Control and Security Measures using the general accounting system controls- Application and transaction controls- Network controls Backup controls- Business continuity planning are discussed.

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	26/04 T8 QP revision
CMS21MA0007 JAGAN R	P	P	P	P	P	Ab	P	P
CMS21MA0011 GOVINDARAJULLA PRUDHVIDHAR	P	P	P	P	P	P	P	P
CMS21MA0030 STEVEN JACKSON S	P	P	P	Ab	P	P	P	P
CMS21MA0039 AFFAN BAIG	Ab	P	Ab	Ab	Ab	P	Ab	Ab
CMS21MA0037 ABHISHEK A V	P	P	P	Ab	P	P	P	P
CMS21MA0038 ADITHYA B G	P	P	P	P	P	Ab	P	P

ADVANCED ACCOUNTING

1. Discussion on Accounting Standards, its meaning and definition, needs, significance and the Indian accounting standards- calculation on simple problems on Indian Accounting standards was also practiced.
2. The problems on calculation of Sale of Partnership to a Limited Company, its Meaning Need for conversion , Purchase Consideration, calculation of Purchase Consideration, Discharge Mode of Purchase Consideration along with Net Payment

Method, Net Asset Method – Passing of Journal Entries and Preparation of Ledger Accounts in the books of Vendors ,Treatment of certain items – Dissolution Expenses – Unrecorded Assets and Liabilities not taken over by the Purchasing Company – Non-assumption of trade liabilities – In the books of Purchasing Company –Passing of Incorporation entries – Treatment of Security Premium – Preparation of Balance Sheet as per the Companies' Act (vertical form) was practiced. .

3. The introduction to Insurance Claims was discussed along with problems on Loss of Stock Policy ,Preparation of statement of Cost of Goods sold ,Preparation of Statement to ascertain value of stock on the date of Fire – Treatment of Salvage ,Valuation of stocks prior to date of fire – calculation of Gross Profit Ratio when Gross Profit Ratio is not given – Treatment of Average Clause Treatment of Abnormal items
4. The discussion on the Branch Accounts , the Inland Branches calculation, the Types, Dependent, Preparation of Branch Accounts in Head Office Books, Treatment of Cost Price, Invoice Price ,Debtors Account, Creditors Account treatment of Petty cash prepaid insurance ,creation of stock reserve, independent branches, preparation of Head Office Account in Branch Books – Branch Account in Head Office Books , Memorandum Trading and Profit and Loss Account in Head Office books ,Incorporation of Trial Balance of branch in Head Office Books , Adjustment entries ,goods-in-transit, cash-in-transit depreciation of Branch Assets-services rendered by Branch to Head Office and vice versa Receipts and payments by Branch on behalf of Head Office and vice versa, Reconciliation of Branch and Head office Current Accounts.
5. The discussion & practice on Departmental Accounting, Calculation of Departmental Purchases , Inter Departmental transfers at cost price, invoice price, preparation of departmental trading and profit and loss account and Balance sheet.

USN & Student Name	12/03 T1	19/03 T2	26/03 T3	02/04 T4	09/04 T5	16/04 T6 QP revision	23/04 T7 QP revision	26/04 T8 QP revision
CMS21MA0007 JAGAN R	P	P	P	P	P	Ab	P	P
CMS21MA0011 GOVINDARAJULLA PRUDHVIDHAR	P	P	P	P	P	P	P	P
CMS21MA0030 STEVEN JACKSONS	P	P	P	Ab	P	P	P	P
CMS21MA0039 AFFAN BAIG	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab

CMS21MA0037 ABHISHEK A V	P	P	P	Ab	P	P	P	P
CMS21MA0038 ADITHYA B G	P	P	P	P	P	Ab	P	P

Department of Aerospace Engineering

Remedial class

Course Name: Introduction to Aerospace Engineering

Course code: 16AS202

Semester: III

Academic year: 2019 - 20

Students are identified for remedial classes based on their internal (CIA) performance.

USN	Name of the Student	IA- I /50	25/09	01/10	15/10	IA-II	29/11	06/11	14/11	18/11	Final CIA.
ENG18AS0001	Abhishek Sharma	12	AB			21		Ab		Ab.	19
ENG18AS0004	Anurag Prasad	5		AB		25		Ab			17
ENG18AS0017	Manoj K	0	AB			32	AB			AB.	24
ENG18AS0017	Bishika Alay	10			AB	22	AB.				20
ENG19AS1004	Pooja Reddy B	AB				15	AB	Ab			20
ENG18AS0030	Rakshitha	11		Ab		15	Ab				21
ENG18AS0039	Simriths Srestha Srestha	6				28		Ab	Ab		26
ENG19AS1007	Syed Umar P	8				18	Ab		Ab	Ab	18

Signature of the Faculty

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

Chairman
Department of Aerospace Engineering

Dayananda Sagar University

Department of Aerospace Engineering

Remedial class

Course Name: Fluid Mechanics

Course code: 16AS204

Semester: III

Academic year: 2019 - 20

Students are identified for remedial classes based on their internal (CIA) performance.

USN	Name of the Student	IA- I /50	27/09	04/10	10/10	IA-II	31/1	09/11	13/11	20/9	FINAL CIA
ENG18AS0001	Abhishek Sharma	6	Abhi	AB	Abhi	36	AB	AB	Abhi	Abhi	23
ENG18AS0004	Anurag Prasad	12	Anu	Anu	Ab	27	Ab	Anu	Anu	Anu	20
ENG18AS0017	Kumar Harijan	5	Kumar	Kuf	Kuf	36	Kuf	Kuf	AB	Kuf	31
ENG18AS0017	Gourav nand Tiwary	18	Gau	Gau	Ab	12	Gau	Gau	Gau	AB	15
ENG18AS0023	Nandan tej S	7				30				AB	28
ENG18AS0030	Rakshitha B	2	Rak	Rak	Rak	17	Rak	Ab	Rak	Ab	21
ENG18AS0039	Simriths Srestha Srestha	6	Ab			27				AB	20
ENG19AS1007	Sreekar R	0	Sreek	Sreek	Sreek	13	Sreek	Ab	Sreek	Sreek	22
ENG18AS0033	Rishabsai wazarkar	9				22			Ab	Ab	20

Signature of the Faculty

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

Chairman
Department of Aerospace Engineering

Dayananda Sagar University

Dayananda Sagar University Bengaluru

DEPARTMENT OF AEROSPACE ENGINEERING

Advanced Learners

Sl no.	Student Name	Activities
1	Harsh Priyanshu	Autodesk Catalyst Internship
2	Rishi Sood	Autodesk Catalyst Internship
3	Harsh Priyanshu	Workshop on Fusion 360
4	Meet Vachhani	Paper Publication
5	Anirudh	GATE 2022
		.

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

KELLY
SERVICES

AGREEMENT FOR CONSULTANT ENGAGEMENT

This Agreement for Consultant Engagement (hereinafter referred to as "**Agreement**") is made on 31st of March 2021

BETWEEN

Kelly Services India Private Limited, a company incorporated under the Companies Act, 1956, having its registered office at Sri Ram Samanthu Chambers, No. 3287, 12th Main HAL 2nd Stage, Indira Nagar, Bangalore–560 038 (Karnataka) and its other office at Unit 601, 602 & 603, 6th Floor, Tower–C, Unitech Cyber Park, Sector–39, Gurgaon–122 002 (Haryana) hereinafter referred to as "Kelly" which expression shall, unless the context admits otherwise, include its successors, permitted assigns and representatives of the ONE PART

AND

Mr. Harsh Priyanshu, son of Ms. Sangeetha Jha Jadhav having permanent address at G-43 Sector 56 Noida, Uttar Pradesh 201301, India. (hereinafter referred to as "Consultant") of the OTHER PART

Kelly and the Consultant are collectively referred to as "Parties" and individually as "Party".

AND WHEREAS the Consultant accepting this offer of engaging as a consultant has agreed to join Kelly as a consultant on a fixed term basis and further agrees to be deployed with one of Kelly's customers (hereinafter referred to as "Client" details of which are provided under Annexure I) on the mutually agreed terms and conditions of this Agreement appearing herein below.

1. TERMS AND CONDITIONS

(a) The Consultant shall be paid his Consultant Fee on the date specified in the Annexure-I of this Agreement. Kelly shall not be responsible for any delays in payment of salary to the Consultant caused by his or her late submission of attendance.

(b) The Consultant understands that it can deployed or instructed at any time to be transferred anywhere in India at any office/ premises of Kelly and/or its concerned Client or at any office of the affiliate/associate member/ customer of the Client. The Consultant further understands that failure by the Consultant to accept and comply with any such transfer instruction/ request shall be sufficient grounds for termination of this Agreement & the services of the Consultant by Kelly.

(c) The Consultant shall be governed by the rules and regulations regarding public holidays, timings, reporting structures, working hours, leave entitlement, discipline, security requirements, work ethics, targets etc. of the concerned Client and the location of such Kelly Client (details of which are provided in Annexure–I) where the Consultant is deputed.

(d) The Consultant shall not claim amount more than the Consultant Fee paid including any employee related benefits, if any, other than those mentioned here in this Agreement, unless revised, payable and communicated in writing to the Consultant. The Consultant understands that other than the amounts mentioned under Annexure-I it is not entitled to any other compensation or make any claims for any other amounts.

KELLY
SERVICES

(e) The Consultant agrees in writing to protect the confidentiality of the proprietary and/ or confidential information of both Kelly and of the Client.

(f) The Consultant shall execute any undertaking/ agreement provided by Kelly that the Client may request of him/ her with regard to the maintenance of confidentiality of the intellectual property developed by the Consultant or any work done by the Consultant under the instructions of the Client during its deployment.

(g) Due to the nature of this Agreement wherein the Consultant agrees that he/ she is being engaged for consultancy services, the Consultant understands that it shall in no event (i) seek employment with Kelly or the Client and/ or (ii) make any employment claims against Kelly or the Client. In the event the Consultant makes any such claims than the same shall be sufficient grounds for immediate termination of this Agreement with the Consultant by Kelly in addition to the other rights of Kelly available at law.

(h) The Consultants acknowledges that they have no right to participate in Client's Consultant benefit plans (unless if specifically requested or permitted by the Client which shall be informed to the Consultant in writing by Kelly).

(i) The Consultant understands that it shall be solely liable for any death, injury, loss or damage caused to the Client (including any damage or destruction by Consultant to electronic devices, assets or property provided to the Consultant by Kelly or the Client for the purpose of enabling the Consultant for fulfilment of his/ her duties) due to the Consultant's acts or omissions during its deployment and at no event shall Kelly be liable for the same. Additionally, the Consultant agrees to indemnify Kelly and keep Kelly indemnified and absolved from any liability, loss, damage, death or injury resulting from such conduct, acts or omissions of the Consultant.

(j) The Consultant shall comply with all the rules and policies of the Client which are informed or made available to the Consultant.

(k) The Consultant shall be solely liable for any loss caused to any other person, Client, environment by his/her act and also liable to keep Kelly absolved and indemnified of any liability/loss on account of his conduct.

(l) For the issuance of any notice or communication of whatsoever kind, the Consultant will be informed by email to personal email address/ hand delivery/ courier/ registered post/ speed post or ordinary post at the address mentioned in the recitals of the Agreement & in Annexure-I. In case of any change in the Consultant's address or surname after marriage or any other change, the Consultant will inform the concerned officials of Kelly in writing to this effect within one (1) week of such change and get new address recorded in the Consultant's personal record.

(m) The Consultant understands & agrees that this Agreement and the offer of being engaged as Consultant by Kelly to Consultant is conditional & based on the declaration provided by the Consultant to Kelly with regards to the information/ details mentioned in Consultant c.v./ resume (including previous work experience details, employment tenure details, previous employer salary details, previous employer name & work role details, educational qualifications, criminal track record/ background, police verification etc.). All such information/ details are taken & believed by Kelly to

Dayananda Sagar University Bengaluru

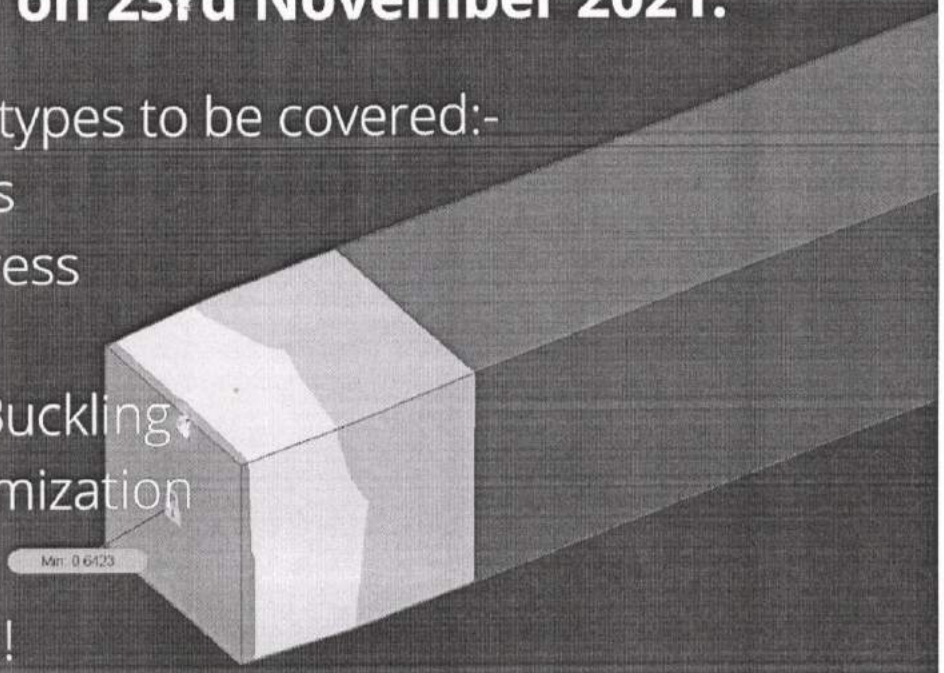
DSU Department of AEROSPACE

Simulation using Fusion 360.

Advance or learn simulation skills using Fusion 360 on 23rd November 2021.

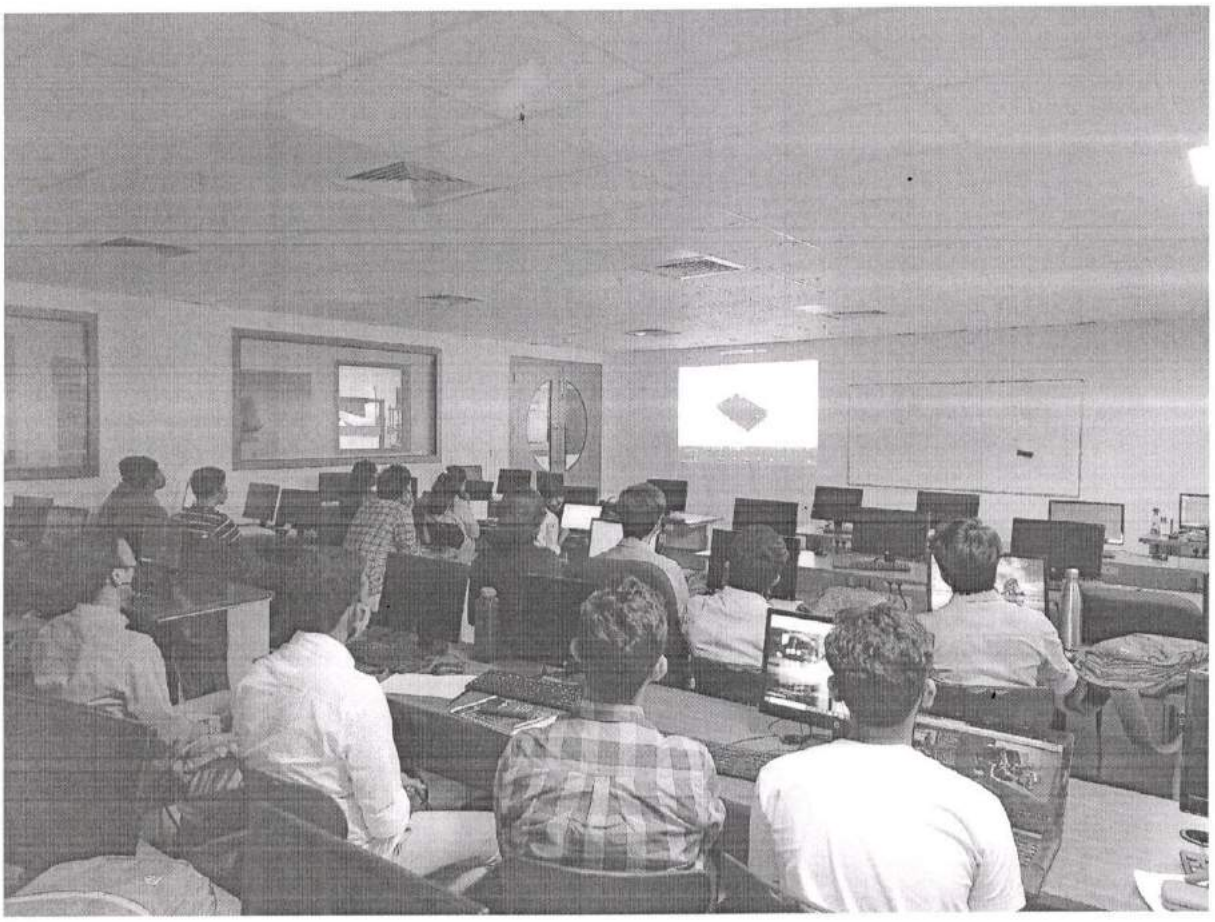
Simulations types to be covered:-

- Statc Stress
-Thermal Stress
-Thermal
-Structural Buckling
-Shape Optimization



and more.....!

Venue: Autodesk Lab
Time:-2pm



The session regarding the simulation was conducted by Harsh Priyanshu. Many participates had acquired the skills to simulations.

INFORMATION TECHNOLOGY AND DIGITAL SERVICES DEPARTMENT

ICTACADEMY OF TAMIL NADU

BRIDGE'22

REVITALIZING INDIA THROUGH NEW AGE SKILLS

A HIGH IMPACT INDUSTRY-INSTITUTE INTERACTION EVENT OF INDIA

Certificate of Participation

BRIDGE-CHENNAI

Presented to

RISHI SOOD

AUTODESK

for participating in the 47th Edition of

BRIDGE 2022 - Chennai (A High Impact Industry-Institute Interaction Event of India),

organized by ICT Academy held on 13 July 2022 at Chennai Trade Centre, chennai

C.No: 159034

Hari Balachandran
Chief Executive Officer
ICT Academy

Dayananda Sagar University Bengaluru

BEST PAPER AWARD

National Conference on Recent Trends in Engineering (NCRTE 2022)

This is to certify that ANIRUDH K, VEET VACHHANI, UTKARSH PATEL, RISHABSAI WAZARKAR, VINAYAK HEGDE, Dr G K SURYANARAYANA of ECE, DAYANANDA SAGAR UNIVERSITY

has won the **BEST PAPER AWARD** for his/her research paper titled CONCEPTUAL DESIGN OF A EVTOL AIRCRAFT FOR INTER-CITY AIR TAXI OPERATION

Conference on Recent Trends in Engineering", NCRTE 2022 held at Dayananda Sagar University, Bengaluru, Karnataka on 27th and 28th May 2022.

Dr. Saara K Associate Professor, ECE Organizing Chairs	Dr. Rajashree Narendra Professor ECE Organizing Chairs	Prof. Anna M. George Assistant Professor ECE Organizing Chairs	Dr Vaibhav A M Chairman ECE DSU, Bengaluru	Dr A. Srinivas Dean SOE DSU, Bengaluru

Indian Institute of Technology Hyderabad
Kandi, Sangareddy - 502 284, Telangana, India
Phone: (040) 2301 6767, 6065. Website: www.iith.ac.in
Email: dr.acad@iith.ac.in / acad.pg@iith.ac.in

Date: 30/06/2022

Head, Department of Mechanical and Aerospace Engineering (MAE)

To

Anirudh K

Sub: IIT Hyderabad - **Provisional Offer Letter** for Admission to M.Tech., Program in the Department of Mechanical and Aerospace Engineering (MAE) during 2022-23 (July 2022) - Reg.

Ref: M. Tech. online Application No 112284

****

Dear Candidate,

1. We are pleased to inform that you have been **provisionally** selected for admission to the M.Tech Program in the Department of Mechanical and Aerospace Engineering (MAE) and In the stream of Aerospace Engineering at IIT Hyderabad under Self Sponsored Category.

2. If you wish to accept the offer, you are required to pay a seat acceptance fee Rs.1,00,000/- (Rupees One Lakh Only) on or before 06/07/2022. This fee will be adjusted against the balance fee to be paid by you upon joining at the time of registration. For Fee structure details, please visit our website at the link: https://iith.ac.in/academics/fee-structure/

   The fee structure is subject to revision from time to time and the updated fee structure for the Academic year 2022-23 will be uploaded at the link above.

   The fees can be paid through SBI collect at:
   https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=372897

   For any clarifications about online payment, you may please contact Accounts section of IITH on No. 040-23016804 or through mail- students.accounts@iith.ac.in

DAYANANDA SAGAR UNIVERSITY

DEPARTMENT OF AEROSPACE ENGINEERING

REMEDIAL CLASS

Course Name: Mechanism and Machine theory

Course Code:20AS2404

Semester: IV

Academic Year:2021-22

3:30-4:30 3:00-3:45 3:30-4:00 4:00-4:45 3:30-4:45

Sl No	USN	Name of the student	IA-1 50	21/4/22	28/4/22	29/4/22	5/5/22	Final CIA
1	ENG20AS0002	ARIHANT SHEETAL SHETTI	24	A	1	2	3	38
2	ENG20AS0003	ASWIN S	20	1	A	2	A	41
3	ENG20AS0005	GOURAV M	18	1	2	A	3	32
4	ENG20AS0007	R KEERTHI KRISHNA YADAV	20	A	A	1	2	35
5	ENG20AS0030	SIMHADHATI VENKATA SAI CHARAN	20	1	2	3	4	39
6	ENG21AS1001	AFIFA SUMAN R	20	1	2	3	A	39
7	ENG21AS1002	BINDU N	5	A	A	1	2	24
8	ENG21AS1010	SUCHITH MOHARE R	13	A	1	2	3	32
9	ENG21AS1012	T VENU	17	1	2	A	3	34

Signature of Faculty

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

19AS2403 January to April 2022 - 4th Semester - Action Taken Report

Identification of Slow learning Students:

During the Internal Examination conducted in the month of February, 2022, out of 50, marks it was observed that some 4th Semester students had scored below 20. This group was given feedback on the areas needing improvement.

Out of these, it was further noticed, that a significant fraction of this population was from the Lateral Entry batch.

Intervention used:

Towards this, the following steps were taken for the lateral entry batch:

1) One on one sessions explaining the concept of applied engineering - the need to use formula based on the situation
2) Elementary mathematics and its linkage to solving analytical problems, in particular solving more problems
3) Checking the notes written by students in class by calling out the books - providing feedback
4) Video lectures were recommended based on the channel - Efficient Engineer in YouTube. This was reinforced
5) Essential English language proficiency - advised to improve on this through multiple mass-media
6) Correlation to this subject was done in the Structures laboratory and thereby the concepts were further re-emphasized from an applications perspective.

Outcome:

Based on all this, it was observed that the pass percentage significantly improved and by the end of the Semester and almost everyone in this group passed their examinations by July 2022.

Vanijan S.M.

Approved and Proceed

Rana Kumar

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

DAYANANDA SAGAR UNIVERSITY

DEPARTMENT OF AEROSPACE ENGINEERING

REMEDIAL CLASS

Course Name: Aerospace Structural Mechanics

Course Code:20AS2403

Semester: IV

Academic Year: 2021-22

Sl No	USN	Name of the student	IA-1 50	18/4/22	22/4/22	28/4/22	12/5/22	FINAL CIA
1.	ENG20AS0005	GOURAV M	13	1	A	2	3	Gourav
2.	ENG20AS0007	R KEERTHI KRISHNA YADAV	15	A	1	2	3	Keerthi YADAV
3.	ENG20AS0030	SIMHADHATI VENKATA SAI CHARAN	12	1	2	3	A	SVSC
4.	ENG21AS1001	AFIFA SUMAN R	10	1	A	2	3	
5.	ENG21AS1002	BINDU N	3	A	A	1	A	
6.	ENG21AS1010	SUCHITH MOHARE R	8	1	2	A	3	
7.	ENG21AS1012	T VENU	8	1	A	2	3	T.Venu

Signature of Faculty

CHAIRMAN

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

Attendance sheet

Slow Learners – 2021-2022

S.No.	USN	Name	Sign
1	ENG21CA0011	ARAVIND KUMAR K N	
2	ENG21CA0019	DHRUVA PRASAD A	
3	ENG21CA0022	KUNDLA VENKATA SAI KUMAR REDDY	
4	ENG21CA0026	MOHITH SAI	
5	ENG21CA0029	MUTHYALA NAGA SAI REDDY	
6	ENG21CA0030	NAVEEN B	
7	ENG21CA0049	SRIKANTH R	
8	ENG21CA0055	SAINITHIN G	
9	ENG21CA0057	THAMEEM E V K	

Slow Learners:

https://www.youtube.com/watch?v=EjavYOFoJJ0

https://www.youtube.com/watch?v=G1c_WMD_5pU

https://www.youtube.com/watch?v=cpPG0bKHYKc

https://www.youtube.com/watch?v=_uQrJ0TkZlc

E-book: https://pythoninstitute.org/study-resources?gclid=Cj0KCQjw8amWBhCYARIsADqZJoUtUPAdDOUSBQPsBY-g0sLxWFm4AFRFjaCDtct_7aFpCcfYafgggMMaAmCWEALw_wcB

https://devfreebooks.github.io/python/

Prerequisite Test - Quiz

26.05.2022

* Required

1. Email *

2. Name of the Candidate *

3. University Serial Number *

4. 1) For a function receives variable number of arguments it is necessary that the function should receive at least one fixed argument. * 1 point

Mark only one oval.

- ◯ True
- ◯ False

5. * 1 point

2) What is the output of the program?

```
#include<stdio.h>
int main()
{
   int x = 10, y = 20, z = 5, i;
   i = x < y < z;
   printf("%d\n", i);
   return 0;
}
```

A. 0
B. 1
C. Error
D. None of these

6. * 1 point

3) Which of the following statements are correct about the program?

```
#include<stdio.h>
int main()
{
   int x = 30, y = 40;
   if(x == y)
      printf("x is equal to y\n");
   else if(x > y)
      printf("x is greater than y\n");
   else if(x < y)
      printf("x is less than y\n")
   return 0;
}
```

A. Error: Statement missing
B. Error: Expression syntax
C. Error: Lvalue required
D. Error: Rvalue required

---

7. 4) The keyword used to transfer control from a function back to the calling function is * 1 point

Mark only one oval.

- go back
- return
- switch
- goto

8. * 1 point

5) Which of the following statements are correct about the function?

```
long fun(int num)
{
   int i;
   long f=1;
   for(i=1; i<=num; i++)
      f = f * i;
   return f;
}
```

A. The function calculates the value of 1 raised to power num.
B. The function calculates the square root of an integer
C. The function calculates the factorial value of an integer
D. None of above

---

9. 6) Can we specify a variable filed width in a scanf() format string? * 1 point

Mark only one oval.

- True
- False

10. 7) Which header file should be included to use functions like malloc() and calloc()? * 1 point

Mark only one oval.

- memory.h
- stdlib.h
- string.h
- dos.h

11. 8) We can allocate a 2-Dimensional array dynamically. * 1 point

Mark only one oval.

- True
- False

12. 9) Which of the following function sets first n characters of a string to a given character? * 1 point

Mark only one oval.

- strinit()
- strnset()
- strset()
- strcset()

13. 1 point

10) What will be the output of the program?

```
#include<stdio.h>
int main ()
{
   char str = "IndiaBIX";
   printf("%s\n", str);
   return 0;
}
```

A. Error
B. IndiaBIX
C. Base address of str
D. No output

14. 11) What is the maximum possible length of an identifier? * 1 point

Mark only one oval.

- 16
- 32
- 64
- None of these above

15. 12) Who developed the Python language? * 1 point

Mark only one oval.

- Zim Den
- Guido van Rossum
- Niene Stom
- Wick van Rossum

16. 13) In which year was the Python 3.0 version developed? * 1 point

Mark only one oval.

- 2008
- 2000
- 2010
- 2013

17. 14) What do we use to define a block of code in Python language? * 1 point

Mark only one oval.

- Key
- Brackets
- Indentation
- None of these

18. 15) Which character is used in Python to make a single line comment? * 1 point

Mark only one oval.

- /
- //
- #
- !

19. 16) What will be the output of the following code snippet? * 1 point

```
print(2**3 + (5 + 6)**(1 + 1))
```

Mark only one oval.

- 129
- 8
- 12
- 145

20. * 1 point

17) What will be the datatype of the var in the below code snippet?

```
var = 10
print(type(var))
var = "Hello"
print(type(var))
```

A. str and int
B. int and int
C. str and str
D. int and str

21. * 1 point

18) What will be the output of the following code snippet?

```
a = [1, 2, 3]
a = tuple(a)
a[0] = 2
print(a)
```

Mark only one oval.

- [2, 2, 3]
- (2, 2, 3)
- (1, 2, 3)
- Error

22. * 1 point

19) What will be the output of the following code snippet?

```
a = [1, 2, 3, 4, 5]
sum = 0
for ele in a:
  sum += ele
print(sum)
```

Mark only one oval.

- 15
- 20
- 0
- 25

23. *

1 point

20) What will be the output of the following code snippet?

```
count = 0
while(True):
    if count % 3 == 0:
        print(count, end = " ")
    if(count > 15):
        break;
    count += 1
```

A. 0 1 2 15
B. Infinite Loop
C. 0 3 6 9 12 15
D. 0 3 6 9 12

This content is neither created nor endorsed by Google.

Google Forms

CDSIMER
Dr. Chandramma Dayananda Sagar
Institute of Medical Education and Research
(Unit of Dayananda Sagar University)

Date:01-07-2022

Proforma for identification of slow performers and advanced learners

Students fulfilling the attendance requirement and scoring less than 50% marks in theory and practical tests combined and those securing <40% in theory or practical tests considered separately in the first internal assessment examination or an examination for the purpose for a course are categorized as slow performers.

Students fulfilling the attendance requirement and scoring more than 75% marks in the first internal assessment examination or an examination for the purpose for a course are categorized as advanced learners.

Assessment	Minimum attainment level	Advanced attainment level
First internal assessment examination or assessment examination for the purpose	1. Score of 50% in theory and practical combined in each course with: Score of 40% in theory and score of 40% in practical 2. Attendance of 75% in theory and 80% in practical	1. Score of 75% in theory and practical combined in each course 2. Attendance of 75% in theory and 80% in practical

Dean, CDSIMER

Dr. A.C. ASHOK MBBS, MS, DNB, DA
Principal & Dean
Dr. Chandramma Dayananda Sagar
Institute of Medical Education & Research, DSU
Devarakaggalahalli, Kanakapura Road
Ramanagara Dist. - 562112, Karnataka

CDSIMER
Dr. Chandramma Dayananda Sagar
Institute of Medical Education and Research
(Unit of Dayananda Sagar University)

Date:01-07-2022

Details of Special Programs for slow performers and advanced learners:

Special programs for slow performers:

1. Remedial classes: are held for reinforcing the difficult concepts.

2. Remedial tests: are conducted for providing more opportunities for improvement including tutorials.

3. Language classes: vernacular language (Kannada) classes are held for bridging communication gaps for out of the state students.

4. Interactive teaching: Interactive lectures and small group discussions are incorporated in the curriculum to make learning more active.

5. Case based teaching: Clinical case scenarios are incorporated in teaching methods to simulate real life situations for problem solving that make learning more interesting.

6. Regular mentorship: helps the slow learners to closely interact with teachers and discuss various issues that may affect learning process.

7. Activity based learning: like preparation of charts, models that help the slow learners to be more practical in their approach.

8. Use of skill lab: for demonstrations and hands on training on mannequins encourages experiential learning.

Special programs for advanced learners:

1. Participation in seminars, symposia, poster presentations help advanced learners to exhibit their skills.

2. Participation in various competitions both at intra and inter-college levels aid in rewarding the top achievers.

3. Participation in research activities like ICMR-STS and other projects facilitates budding researchers among the advanced learners.

4. Advanced skill lab facility encourages the advanced learners to fine tune their skills before embarking on real life roles and responsibilities.

Dean, CDSIMER

Dr. A.C. ASHOK MBBS, MS, DNB, DA
Principal & Dean
Dr. Chandramma Dayananda Sagar
Institute of Medical Education & Research, DSU
Devarakaggalahalli, Kanakapura Road
Ramanagara Dist. - 562112, Karnataka

CDSIMER
Dr. Chandramma Dayananda Sagar
Institute of Medical Education and Research
(Unit of Dayananda Sagar University)

Date: 01-07-2022

Details of outcome measures for slow performers and advanced learners:

- Progress of slow performers is measured after remedial classes and continuous re-assessments till the target scores are achieved.

- Achievements of advanced learners are suitably rewarded.

Dean, CDSIMER

r. A.C. ASHOK MBBS, MS, DNB, DA
Principal & Dean
Dr. Chandramma Dayananda Sagar
itute of Medical Education & Research, DSU
Devarakaggalahalli, Kanakapura Road
Ramanagara Dist. - 562112, Karnataka

CDSIMER
Dr. Chandramma Dayananda Sagar
Institute of Medical Education and Research
(Unit of Dayananda Sagar University)

Date: 01-07-2022

Consolidated report on special programs for slow performers and advanced learners:

Proforma for identification of slow performers and advanced learners:

Students fulfilling the attendance requirement and scoring less than 50% marks in theory and practical tests combined and those securing <40% in theory or practical tests considered separately in the first internal assessment examination or an examination for the purpose for a course are categorized as slow learners.

Students fulfilling the attendance requirement and scoring more than 75% marks in the first internal assessment examination or an examination for the purpose for a course are categorized as advanced learners.

Special programs for slow performers:

1. Remedial classes: are held for reinforcing the difficult concepts.

2. Remedial tests: are conducted for providing more opportunities for improvement including tutorials.

3. Language classes: vernacular language (Kannada) classes are held for bridging communication gaps for out of the state students.

4. Interactive teaching: Interactive lectures and small group discussions are incorporated in the curriculum to make learning more active.

5. Case based teaching: Clinical case scenarios are incorporated in teaching methods to simulate real life situations for problem solving that make learning more interesting.

6. Regular mentorship: helps the slow learners to closely interact with teachers and discuss various issues that may affect learning process.

7. Activity based learning: like preparation of charts, models that help the slow learners to be more practical in their approach.

8. Use of skill lab: for demonstrations and hands on training on mannequins encourages experiential learning.

Special programs for advanced learners:

1. Participation in seminars, symposia, poster presentations help advanced learners to exhibit their skills.

2. Participation in various competitions both at intra and inter-college levels aid in rewarding the top achievers.

3. Participation in research activities like ICMR-STS and other projects facilitates budding researchers among the advanced learners.

4. Advanced skill lab facility encourages the advanced learners to fine tune their skills before embarking on real life roles and responsibilities.

Details of outcome measures for slow performers and advanced learners:

Progress of slow performers is measured after remedial classes and continuous re-assessments till the target scores are achieved. Achievements of advanced learners are suitably rewarded.

Dean, CDSIMER

Dr. A.C. ASHOK MBBS, MS, DNB, DA
Principal & Dean
Dr. Chandramma Dayananda Sagar
Institute of Medical Education & Research, DSU
Devarakaggalahalli, Kanakapura Road
Ramanagara Dist. - 562112, Karnataka

2.2.1 THE INSTITUTION ASSESSES THE LEARNING LEVELS OF THE STUDENTS AND ORGANIZES SPECIAL PROGRAMMES FOR ADVANCED LEARNERS AND SLOW PERFORMERS

Advanced learners and slow learners are identified based on the performance in University Examination of previous semester and internal examinations.

Following Special activities are conducted for Advanced Learners:

- Guiding for career planning.
- Discussion or seminar on the advanced topic.
- Guiding and encouraging to communicate research papers in conferences/Journals.
- Training programs for gaining advanced technical know-how.
- Encouraging to participate in various symposiums like quiz, poster presentation, Conferences, inter institution competition etc...

Measures taken for improving academic performance of slow learners:

- Remedial/Extra classes are conducted with appropriate focus on the subject/topic codes in which the students are found to be slow learners.
- Students study groups are formed for peer-to-peer learning.
- Individual academic counseling is done by concerned subject teacher.
- Personal counseling is done through mentoring scheme which takes care of the students. Mentors maintain the entire academic record of the student which is also conveyed to the parents time to time by the teacher guardian. Slow learners are counseled and motivated by the mentors.

DAYANANDA SAGAR UNIVERSITY ★ COLLEGE OF NURSING SCIENCES ★ Bangalore - 78.

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

2.2.1 WEAK LEARNERS

Academic Year: 2021- 2022 **Course/Program: 1st year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	AGNAL PAULSON
2	ALEX CHACKO
3	ARSHAD C A
4	ASHIF N P
5	AYON BISWAS
6	BHAVANA BURATHOKI
7	BIDISHA ROY
8	JEES JIJI JOSEPH
9	KAVYA SANGEETH K
10	LEIYACHAN LUNGLO
11	LHAMO BAI
12	MREETUNJAY KUMAR CHAWAHAN
13	MUHAMMED SALIM K P
14	NAYANA JAYAN
15	VIJETA KUMARI

Academic Year: 2021- 2022 **Course/Program: 2nd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	MONISH K
2	RATIKANTH
3	VIVEK VINOD
4	SHANTHALA K M
5	SARFARAZ ALAM

DAYANANDA SAGAR UNIVERSITY Bangalore - 78.

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2021- 2022 **Course / Program: 3rd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	BABU S
2	DHANAVELU J
3	DEBAPRIYA KUNDU
4	NEHA SRIVASTAVA
5	SAMYUKTHA B
6	RABART
7	PRAKRUTHI JYOTI
8	BIJOYETA ROY
9	ABDUL MATIEN KHAN
10	SAVAD
11	SUSHMITA BANSAL
12	STANZIN KUNSAL
13	MUHAMMED SHAMSEER K.P
14	SAVAD.M

Academic Year: 2021- 2022 **Course/Program: 4th year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	ANIT P ROY
2	ARPAN MANGRATI
3	RASHIDA MUHAMMAD
4	MUHAMMED AFSAL K.E
5	OTHY KANDY MD SHAMMAS
6	HRANGLIANMAWII SINGSON



DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2020- 2021 **Course/Program: 1st year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	MONISH K
2	RATIKANTH
3	VIVEK VINOD
4	SHANTHALA K M
5	SARFARAZ ALAM

Academic Year: 2020- 2021 **Course/Program: 2nd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	BABU S
2	NEHA SRIVASTAVA
3	SAMYUKTHA B
4	RABART
5	PRAKRUTHI JYOTI
6	BIJOYETA ROY
7	ABDUL MATIEN KHAN
8	SAVAD
9	SUSHMITA BANSAL
10	STANZIN KUNSAL
11	MUHAMMED SHAMSEER K.P
12	SAVAD.M
13	MUHAMMED SHAMSEER K.P
14	SAVAD.M

DAYANANDA SAGAR UNIVERSITY * Bangalore - 78. * COLLEGE OF NURSING SCIENCES

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2020- 2021 **Course/Program: 3rd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	ANIT P ROY
2	ARPAN MANGRATI
3	RASHIDA MUHAMMAD
4	MUHAMMED AFSAL K.E
5	OTHY KANDY MD SHAMMAS
6	HRANGLIANMAWII SINGSON
7	SHAHID BASHIR

Academic Year: 2020- 2021 **Course/Program: 4th year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	AFSAL K E
2	RAMA PRIYA
3	KALAI VANI
4	TULIKA
5	LIZA

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2019- 2020 **Course/Program: 1st year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	BABU S
2	DHANAVELU J
3	DEBAPRIYA KUNDU
4	NEHA SRIVASTAVA
5	SAMYUKTHA B
6	BIJOYETA ROY
7	ABDUL MATIEN KHAN
8	SAVAD
9	SUSHMITA BANSAL
10	STANZIN KUNSAL
11	MUHAMMED SHAMSEER K.P
12	SAVAD.M
13	MUHAMMED SHAMSEER K.P

Academic Year: 2019- 2020 **Course/Program: 2nd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	ANIT P ROY
2	ARPAN MANGRATI
3	RASHIDA MUHAMMAD
4	MUHAMMED AFSAL K.E
5	OTHY KANDY MD SHAMMAS
6	HRANGLIANMAWII SINGSON
7	SHAHID BASHIR



DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2019- 2020 **Course/Program: 3rd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	AFSAL K E
2	RAMA PRIYA
3	KALAI VANI
4	TULIKA
5	LIZA

Academic Year: 2019- 2020 **Course/Program: 4th year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	VIJAYA BHANDARI
2	RATNADEEP DAS
3	VANLREMRUTI
4	BENCEY SABU
5	KALSANG LANGOR TAMANG



DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2018- 2019 **Course/Program: 1st year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	ANIT P ROY
2	ARPAN MANGRATI
3	RASHIDA MUHAMMAD
4	MUHAMMED AFSAL K.E
5	OTHY KANDY MD SHAMMAS
6	HRANGLIANMAWII SINGSON
7	SHAHID BASHIR

Academic Year: 2018- 2019 **Course/Program: 2nd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	AFSAL K E
2	RAMA PRIYA
3	KALAI VANI
4	TULIKA
5	LIZA

DAYANANDA SAGAR UNIVERSITY ★ COLLEGE OF NURSING SCIENCES ★ Bangalore - 78.

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2018- 2019 **Course/Program: 3rd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	VIJAYA BHANDARI
2	RATNADEEP DAS
3	VANLREMRUTI
4	BENCEY SABU
5	KALSANG LANGOR TAMANG

Academic Year: 2018- 2019 **Course/Program: 4th year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	TENZING PEMA
2	SALAKHA MISHRA
3	KRITICA DHAKAL
4	SUBIDHA NEUPANE
5	NISHA KUMARI CHAUDHARY

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
78.

DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2017- 2018 **Course/Program: 1st year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	AFSAL K E
2	RAMA PRIYA
3	KALAI VANI
4	TULIKA
5	LIZA

Academic Year: 2017- 2018 **Course/Program: 2nd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	VIJAYA BHANDARI
2	RATNADEEP DAS
3	VANLREMRUTI
4	BENCEY SABU
5	KALSANG LANGOR TAMANG



DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru-560078.

Academic Year: 2017- 2018 **Course/Program: 3rd year B.Sc. Nursing**

SL NO	WEAK LEARNERS
1	TENZING PEMA
2	SALAKHA MISHRA
3	KRITICA DHAKAL
4	SUBIDHA NEUPANE
5	NISHA KUMARI CHAUDHARY

2.2.1. Action taken Report for slow learners

- The slow learner has been identified based on sessional examinations
- Subject wise it's been identified
- Remedial classes conducted and maintained attendance for the same
- Reexamination conducted for improvement of their Sessional marks



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing I Year 2017-2018
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Anatomy &Physiology	Nutrition &Biochemistry	Microbiology	Psychology	Nursing Foundation
December to June	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
DAYANANDA SAGAR UNIVERSITY & COLLEGE OF NURSING SCIENCES
Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing II Year 2017-2018
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Sociology	PPG	MSN I	CHN I	CET
December to June	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
Bangalore - 78.
COLLEGE OF NURSING SCIENCES

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing III Year 2017-2018
Time table for Remedial Classes

Month	Day	Time	Week	Course			
				MSN	CHN	MHN	Research &Statistics
December to June	Saturday	12-1 pm	I	✓			
			II		✓		
			III			✓	
			IV				✓

PRINCIPAL

DAYANANDA SAGAR UNIVERSITY
Bangalore - 78.
COLLEGE OF NURSING SCIENCES

Scanned by CamScanner

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing I Year 2018-2019
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Anatomy &Physiology	Nutrition &Biochemistry	Microbiology	Psychology	Nursing Foundation
December to July	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
Bangalore - 78.
COLLEGE OF NURSING SCIENCES

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing II Year 2018-2019
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Sociology	PPG	MSN I	CHN I	CET
December to July	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing III Year 2018-2019
Time table for Remedial Classes

Month	Day	Time	Week	Course			
				MSN	CHN	MHN	Research &Statistics
December to July	Saturday	12-1 pm	I	✓			
			II		✓		
			III			✓	
			IV				✓

PRINCIPAL

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing IV Year 2018-2019
Time table for Remedial Classes

Month	Day	Time	Week	Course		
				OBG	CHN	Nursing Management
December to July	Saturday	12-1 pm	I	✓		
			II		✓	
			III	✓		
			IV			✓

PRINCIPAL
DAYANANDA SAGAR UNIVERSITY
COLLEGE OF NURSING SCIENCES
Bangalore - 78.

Scanned by CamScanner

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing I Year 2019-2020
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Anatomy &Physiology	Nutrition &Biochemistry	Microbiology	Psychology	Nursing Foundation
January to September	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
DAYANANDA SAGAR UNIVERSITY
Bangalore - 78.
COLLEGE OF NURSING SCIENCES

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing II Year 2019-2020
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Sociology	PPG	MSN I	CHN I	CET
January to September	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing III Year 2019-2020
Time table for Remedial Classes

Month	Day	Time	Week	Course			
				MSN	CHN	MHN	Research &Statistics
January to September	Saturday	12-1 pm	I	✓			
			II		✓		
			III			✓	
			IV				✓

PRINCIPAL
DAYANANDA SAGAR UNIVERSITY
Bangalore - 78.
COLLEGE OF NURSING SCIENCES

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing IV Year 2019-2020
Time table for Remedial Classes

Month	Day	Time	Week	Course		
				OBG	CHN	Nursing Management
January to September	Saturday	12-1 pm	I	✓		
			II		✓	
			III	✓		
			IV			✓

PRINCIPAL
Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing I Year 2020-2021
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Anatomy &Physiology	Nutrition &Biochemistry	Microbiology	Psychology	Nursing Foundation
January to May	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL

Bangalore - 78

COLLEGE OF NURSING

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing II Year 2020-2021
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Sociology	PPG	MSN I	CHN I	CET
January to May	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing III Year 2020-2021
Time table for Remedial Classes

Month	Day	Time	Week	Course			
				MSN	CHN	MHN	Research &Statistics
January to May	Saturday	12-1 pm	I	✓			
			II		✓		
			III			✓	
			IV				✓

PRINCIPAL

DAYANANDA SAGAR UNIVERSITY * COLLEGE OF NURSING SCIENCES * Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing IV Year 2020-2021
Time table for Remedial Classes

Month	Day	Time	Week	Course		
				OBG	CHN	Nursing Management
January to May	Saturday	12-1 pm	I	✓		
			II		✓	
			III	✓		
			IV			✓

PRINCIPAL
Bangalore - 78.

Scanned by CamScanner

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing I Sem 2021-2022
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Anatomy	Physiology	Psychology	Sociology	Nursing Foundation
December To April	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL
Bangalore - 78.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc.Nursing II Year 2021-2022
Time table for Remedial Classes

Month	Day	Time	Week	Course				
				Sociology	PPG	MSN I	CHN I	CET
May to September	Saturday	12-1 pm	I	✓				
			II		✓			
			III			✓	✓	
			IV					✓

PRINCIPAL

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing III Year 2021-2022
Time table for Remedial Classes

Month	Day	Time	Week	Course			
				MSN	CHN	MHN	Research &Statistics
February to June	Saturday	12-1 pm	I	✓			
			II		✓		
			III			✓	
			IV				✓

PRINCIPAL
Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF HEALTH SCIENCES - COLLEGE OF NURSING SCIENCES
ShavigeMalleshwara Hills, Kumaraswamy Layout, Bangalore-560078.

BSc. Nursing IV Year 2021-2022
Time table for Remedial Classes

Month	Day	Time	Week	Course		
				OBG	CHN	Nursing Management
February to June	Saturday	12-1 pm	I	✓		
			II		✓	
			III	✓		
			IV			✓

PRINCIPAL

DAYANANDA SAGAR UNIVERSITY
Bangalore - 78
COLLEGE OF

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... I year 2017-18 Subject ..... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			9/12	16/12	23/12	30/12	6/1	13/1	20/1	27/1	3/2	10/2	17/2	24/2	3/3	10/3	17/3	24/3	6/4	16/4	23/4	30/4	7/5	14/5	17								
1.		Afsal.K.E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
2.		Rama Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
3.		Kalavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
4.		Tulika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
5.		Liza	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... II year 2017-18 Subject Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			9/12	16/12	23/12	30/12	6/1	13/1	20/1	27/1	3/2	10/2	17/2	24/2	3/3	10/3	17/3	9/6	16/6	23/6	30/6	7/7	14/7									
1.		Vilaya Bhandari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
2.		Ratnadeep Dal	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P									
3.		Vanlremruati	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P									
4.		Bencey Saby	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P									
5.		Kalsang langor Tamang.	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... II year 2017-18 Subject ... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	Total No. of Days	% of Attendance
1.		Tenzing Pema	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P																																							
2.		Sakshi Mishra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P																																							
3.		Kritika Dhakal	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P																																						
4.		Subidha Neupane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P																																						
5		Nisha Kumari Choudhary	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P																																						

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... I year B.Sc(N) 2018-19 Subject ..Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			15/1	20/1	29/1	5/1	12/1	19/1	26/1	2/2	9/2	16/2	23/2	2/3	9/3	16/3	23/3	30/3	6/4	13/4	20/4	27/4	6/7	13/7	20/7	27/7	3						
1.		Anit. P. Roy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P							
2.		Arpan magrati	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
3		Raelida muhammad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
4		muhammad Afsal. k. c	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P							
5.		Othy kandy md chammal.	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P							
6.		Hrangthanmawii Singson	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P							
7.		Shawl Ralliv	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P							

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... B.Sc(N) II yr - 2018-19 ..... Subject ..... Remedial Classes .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			25/1	24/1	29/1	5/2	12/2	19/2	26/2	2/2	9/2	16/2	23/2	2/3	9/3	16/3	23/3	30/3	6/4	13/4	20/4	27/4	4/5	11/5	18/5	25/5	1/6	8/6	15/6	22/6		
1.		Afsal. K. E	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
2.		Rama Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
3		Kalai vani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
4.		Tulika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
5.		Liza	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... B.Sc(H) III Year 2018-19 ..... Subject ..... Remedial classes .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			15/12	21/12	29/12	5/1	12/1	19/1	26/1	2/2	9/2	16/2	23/2	9/3	16/3	23/3	30/3	6/4	13/4	27/4	4/5	7/5	12/5	20/5	27/5								
1.		Vijaya Bhandari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P								
2.		Ratnadeep Das	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
3.		Vanlremruti	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
4.		Bencey Sabu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P								
5.		Kakang langar Tamang	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								

DAYANANDA SAGAR UNIVERSITY Bangalore OFFICE OF THE DEAN

Initials of HOD

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester: B.Sc (N) - IV yr - 2018-19 Subject: Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			29/1	30/1	31/1	1/2	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2		
1.		Tenzing Pema	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
2.		Salakha Misha	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P								
3.		Kritica Dhakal	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
4.		Subidha Neupane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
5.		Nisha Kumari Chaudhary	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P								

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... B.Sc(N) 2 year 2019-20 ..... Subject ..... Remedial class .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			1/1	1/1	2/1	3/1	5/1	6/1	7/1	7/3	1/1	3/1	4/1	5/1	6/1	8/1	9/1	8/1	12/1	13/1	14/1	15/1										
1.		Babu.S	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
2.		Dhanavelu.J	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P										
3.		Debapriya Kundu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P										
4.		Neha Srivastava	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P										
5.		Samyukta.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
6.		Bijayeta Roy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
7.		Abdul matien Ichan	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P										
8.		Savad.m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
9.		Susmita Bansal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P										
10		Stanzin kunsal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
11.		muhammed shameer.k.p	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
12.																																

[redacted] Sign

Initials of HOD Time

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... B.Sc(H) - II year 2019-20 Subject Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			1/11	19/11	25/11	26/11	15/12	22/12	29/12	7/1	14/1	21/1	28/1	4/2	5/2	11/8	18/2	19/2	25/2	26/2	5/3	12/3										
1.		Amit. P. Roy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P									
2.		Arpan mangrati	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
3		Rashida muhammad	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P									
4.		muhammed Afsal. K.E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		A	P	P									
5.		Athy Chandy md Shammas	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P									
6		Hrangliannawii Singson	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A									
7.		Shahid Bashir	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P									

Signature

Initials of HOD

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... B.Sc(H) - III yr - 2019-20 Subject ... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
1.		Afsal. K. C	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P											
2		Rama priya	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
3.		Kalai vani	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P											
4		Tulika	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P											
5.		Liza	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P											

Initials of HOD

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester.....

B.Sc(N) - IV Year 2019-20 Subject ..... Remedial classes .....

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			11/1	14/1	25/1	8/2	11/2	22/2	25/2	7/3	14/3	21/3	28/3	2/4	6/4	11/4	18/4	25/4	2/5	9/5	16/5												
1.		Vijaya Bhandari	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
2.		Ratnadeep Das	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
3		Vanlremruati	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
4.		Bencey Sabu	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P											
5.		Kalsonglangpi Tamang	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P											

[redacted]

Sign

Time

Initials of HOD

Note : Attendance to be marked in Cumulatively only

No. of Working Days

Average Attendance during the Month

No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester.....

1st Year B.Sc. Nursing 20-21. Subject ... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			9/1	10/1	23/1	30/1	6/2	13/2	20/2	27/2	6/3	13/3	23/3	27/3	3/4	10/4	17/4	24/4	8/5	15/5	22/5	29/5										
01		Monesh. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
02		Ratikanth	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
03		Vivek Vinod	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
04		Shanthala. K.M	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P										
05		Sarfaraz Alam	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P										

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... 2nd year B.Sc. Nursing 20-21 Subject ..... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			9/1	16/1	22/1	30/1	6/2	13/2	22/2	27/2	6/3	13/3	20/3	27/3	3/4	6/4	17/4	24/4	8/5	15/5	22/5	29/5										
01		Babu. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
02		Neha Srivastava	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P										
03		Samyuktha. B	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P										
04		Rabaat	P	P	P	P	A	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P										
05		prakruthi Jyothi	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P										
06		Brijoyeta Roy	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P										
07		Abdul Matien Khan	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P										
08		Savad	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P										
09		Sushmita Bansal	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P										
10.		Stanzin Kunsal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A										
11		Muhammed Shameer K.P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P										

Initials of Staff	S.Ram																															
Initials of HOD	Trend																															

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... 3rd year B.Sc. Nursing 20-21 Subject ..... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
01		Anit P Roy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
02		Arpan Mangati	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
03		Rashida Muhammed	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	A	P	P	P	P										
04		Muhammed Afsal K.C	P	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P										
05		Othy kandy MD Shammas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
06		Hranglianna Hli Singson	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P										
07		Shahid Bashir.	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P										

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... 4th year B.Sc. Nursing 20-21 Subject ..... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			9/11	6/1	23/1	30/1	6/2	13/2	20/2	27/2	6/3	13/3	20/3	27/3	3/4	10/4	17/4	24/4	8/5	15/5	22/5	29/5											
01		Afsal K.E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
02		Rama priya	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P										
03		Kalai vani	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P										
04		Lulika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A										
05		Liza	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P										

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... 2nd year Bsc. Nursing 21-22 Subject Remidial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			7/5	14/5	21/5	28/5	4/6	11/6	18/6	25/6	2/7	9/7	16/7	23/7	30/7	6/8	13/8	20/8	27/8	3/9	10/9											
01		Monish. K.	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	1											
02		Ratikanth	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
03		Vivek Vinod	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											
04		Shanthala K.M	P	P	A	P	P		P	P	P	P	P	P	A	P	P	P	P	P	A											
05		Sayaraz Alam.	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P											

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... 3rd Year Bsc Nursing 21-22 Subject Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			Sat	22/2	19/2	26/2	5/3	12/3	19/2	26/3	2/4	9/4	16/4	23/4	30/4	7/5	14/5	21/5	Sat	4/6	11/6	18/6	Sat										
01		Babu S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
02		Dhanavelu.J	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
03		Debapriya Kundu	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
04		Neha Srivastava	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P										
05		Samyuktha. B	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A										
06		Rabasi	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
07		prakruthi jyothi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P										
08		Bijoyeta Roy	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A										
09		Abdul Matien Khan	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P										
10		Savad	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A										
11		Seethmeta Bansal	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
12		Stanzen Kunsal	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P										
13		Muhammed Shamseer KP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
		Initials of Staff																														
		Initials of HOD																														

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester.....4th Year BSc. Nursing..... Subject Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
01		Anit P Roy	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A										
02		Arpan Mangrati	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P										
03		Roshida Muhammad	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P									
04		Muhammed Afsal K.E	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P										
05		Othy Kandy HD Shamnas	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	D	A	P									
06		HRANGHaima Wii Singson	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P									

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester.....1st Semester..... Subject ..... Remedial classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
			4/12	11/12	18/12	11/1	25/1	1/1	29/1	29/1	5/2	12/2	19/2	26/2	5/3	12/3	19/3	26/3	2/4	9/4	16/4	23/4										
01		AGNAL PAULSON	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A										
02		ALEX CHACKO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
03		ARSHAD CA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P										
04		ASHIF NP	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P										
05		AYON BISWAS	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A										
06		BHAVANA BURATHOKI	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P										
07		BIDISHA ROY	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P										
08		JEFS IJI JOSEPH.	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
09		KAVYA SANGEETH. K.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P										
10		LEIYACHAN LUNGLO	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	P	A	P	P										
11		LHAMO BAI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
12		MRETUNJAY KUMAR CHAWAHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P										
13		MUHAMMED SALIM K.P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
14		NAYANA JAYAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
15		VIJETA KUMARI .	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P										
		Initials of Staff																														
		Initials of HOD																														

Note : Attendance to be marked in Cumulatively only

No. of Working Days | Average Attendance during the Month | No. on Roll during Month.

DAYANANDA SAGAR UNIVERSITY Bangalore - 78.

Scanned by CamScanner

DAYANANDA SAGAR UNIVERSITY

Name of the Staff Member..... Semester..... 1st Semester [CET student] Subject ..... Remedial Classes

Sl. No.	USN No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total No. of Days	% of Attendance
			29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
01		Amar	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P										
02		Ayyanna	P	P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P											
03		Bindu	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P											
04		Jethalal	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P										
05		Vandana.	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P											