

BoS Meeting (ESSE) Date: 21st Dec
Meeting H'd m: 22nd Dec
Venue: School of Engg

Agenda: 1) Deliberations on Draft syllabus
of 3rd & 4th Sem B.Tech.
modification & finalization
2) Discussion on M.Tech (ESSE
and M.Tech (ESBIT))

Resolutions:

- 1) Syllabi of every course in 3rd and 4th Semesters were gone thru in detail. Modifications were suggested and incorporated. Final syllabus will be circulated by mail for final approval.
- 2) Courses of 2nd M.Tech (ESSE (Big Data)) were discussed. Decided not to change the courses at this juncture. However, enough number of electives may be offered.

Members Present & Signatures:

- 1) Prof N. Srikant
- 2) Dr Sathish
- 3) Kirupama Mani
- 4) Dr S. Prakash
- 5) Dr Shashi S.G.
- 6) Dr V. Chandrasekar
- 7) Dr M. Govindaraj Prasad
- 8) Dr M. K. Banga

8/11/2016

Minutes of Meeting of BoS
Related to CS & E

Members Present:

1. Dr. Y. N. Saikant
2. Dr. T. K. Sateesh
3. Sri Ajith Pujar
4. Sri Venkat Ayalur
5. Dr. M. K. Banga
6. Dr. Chandravaidyanathan
7. Dr. Prakash
8. Dr. Shaila. S.G.
9. Dr. Reeja

The agenda points were deliberated

1. The results of 1st year were presented & discussed.

2. The draft Syllabi of 5th & 6th Sem of B-Tech CS & E were discussed in detail. Then the suggestions by the members are recorded. The BOS has decided to incorporate the suggestions. They modified Syllabus will be sent to all the members to get their consent.

3. Some Electives were removed & new electives were added.

4. IBM People Presented their Curriculum of B-Tech CS & E

Dr. Y. N. Saikant

~~Dr. Ajith Pujar~~
Dr. Ajith Pujar

~~Dr. Prakash S~~
Dr. Prakash S

~~Dr. Shaila~~
Dr. Shaila

~~Dr. Keerj~~
Dr. Keerj

Dr. T. K. Sateesh

~~Sri Venkat A.~~
Sri Venkat A.

~~V Chandrasekar~~
Dr. Chandrasekar V.

~~Dr. K. K. Banga~~
Dr. K. K. Banga



DAYANANDA SAGAR UNIVERSITY
Department of Computer Science & Engineering,

School of Engineering

BOS Meeting Held on 09-03-2017

Proceedings of the Meeting

Agenda

Sl. No	Details
1	Presentation on the Odd Semesters Results and sharing of experience by the faculty members
2	Discussion on the syllabi of 5 th and 6 th Semesters B Tech CS&E and approving the same
3	Deliberations on the scheme of Part Time M Tech CS&E (Big Data/IoT) and finalization
4	Discussion on Mini projects in the 3 rd year of B Tech CS&E
5	a) Proposal on the introduction of grace marks in the academic programs of DSU, Recommendation of the BoS b) Exploring the possibility Single Standard Text Book for each course in different Semesters
6	Any other academic matter

Members Present:

- | | | |
|-------|----------------------|----------|
| i) | Prof Y N Srikant | Member |
| ii) | Dr. T K Satheesh | Member |
| iii) | Mr. Venkat Ayalur | Member |
| iv) | Mr. Ajith Pujar | Member |
| v) | Prof. A Srinivas | Member |
| vi) | Prof.Chandrashekar V | Invitee |
| vii) | Dr. Shaila S G | Invitee |
| viii) | Dr. Reeja S R | Invitee |
| ix) | Prof. M K Banga | Chairman |



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Points Discussed and Observations:

- i) Discussions on the Results of the Odd Semester Exam:
 - a. The results of 1st and 3rd Semesters B Tech CS&E were presented. Members felt that the results of these Semesters do not follow the Bell curve distribution. Members observed that too many Os and A+s should be avoided. Hence, BOS members suggested that challenging Question papers need to be set so that only the top students get the O and A+ grades. Further they suggested that it is worthwhile to carry out result analysis by considering School of Engineering as a unit vs. Branch. Also they suggested that assignment questions should also be challenging one and students be asked to work in groups.
- ii) As regards the proposal of grace marks by the University, BOS Members discussed at length and suggested not to give grace marks as instructors would have taken care of border cases during evaluation.
- iii) Discussion on the modified syllabi of 5th and 6th Semesters B Tech CS&E
 - a. Syllabus modified during the last BoS meeting held on 8th Nov 2016 was taken up course by course. Syllabus of each course was displayed and deliberated. Members suggested minor changes only in few of the courses which was incorporated in place and there are no major changes.
 - b. BOS members suggested that refresher classes in Programming & C can be conducted for about a week in the beginning of the 3rd semester to strengthen the implementation skills which are important for course on Data Structures & Applications in 3rd semester.
 - c. Three of the faculty members invited to this meeting shared their experience in handling **Electronics Circuits, DMS, Data Structures and Digital Circuits & Logic Design** courses for two different 3rd semester sections. They shared that 3 hours of theory classes and 2 hours of tutorial/practice classes are not sufficient to complete the syllabus. BOS Members suggested after detailed discussions that 45 hours of theory can be reduced to 36 hours by introducing self study. As per the suggestion, some topics of each module will be identified as self-study topics by the instructors. Further, BOS members suggested that the instructors suggest a standard book/ smart books for each modules in syllabus.
 - d. BOS Members proposed to include activity based sessions in Software Engineering by reallocating the hours for theory and Practicals/Practice. Suggestion was to reduce the Lecture to 2 hours and including 2 hours of Practice session (equivalent of 1 credit). This arrangement will not alter the credits.
 - e. BOS Members suggested to change the title of the course "**High Performance Computing (HPC)**" to "**Computer Architecture**" as the syllabus has more content on computer architecture.



DAYANANDA SAGAR UNIVERSITY

- f. BOS Members suggested to move **Data Science syllabi in 7th semester** in case of overlapping/dependent topics with **"Machine Learning"** a core course in the 7th semester.
- iv) Discussion on Mini Projects in 6th Semester of B Tech CS&E
 - a. BOS Members deliberated and suggested that the introduction of a **Mini project in the 3rd year** will prepare students well for their final year project along with moving towards Project Based Learning. Suggestion was to replace one Departmental Elective (3 credits) in 6th Semester by mini project of equal credit.
 - b. BOS Members suggested to add Time slot in 6th Semester time table for mini project and put in place an evaluation methodology.
 - c. Members also observed that arranging mini project in 5th and 6th semesters for alternate sections will help in balancing teaching load in these two semesters.
- v) Discussion on introducing Part Time **M Tech Program in CS&E** and the scheme:
 - a. Different programs such as M Sc (Research), B.Tech (evening program), and Generic M. Tech (part time) were deliberated. Among these, the proposed draft scheme of M Tech Part Time was discussed in detail and the BOS members suggested that there should be more self study topics for the students of Part Time programs. BOS Members also suggested to go for M Tech (research) with proper scheme and regulation.
 - b. BOS Members suggested to finalize the process of selection of students for Part Time M Tech considering a written test, sponsorship, age limit, etc. Also members observed that minimum attendance for students should be maintained and University should promote self-learning by uploading lecture videos, e-content online. BOS Members strongly advocated that there should need to be same standard for Part Time M Tech program and Regular M Tech program as regards training delivery, continuous evaluation and Semester End Exam.

Decisions Taken:

- i) It was decided that the faculty members be informed and educated on question paper setting such that the results are not skewed heavily towards 'O and A' grades, and the distribution of results will be on Bell Curve. Further, assignment questions shall be complex enough and students be asked to solve them in smaller groups of 2 to 3 members. It was also decided to conduct short duration refresher session in foundation level course(s).
- ii) Syllabi of 5th and 6th Semesters were discussed and approved with the following changes:



Dayananda Sagar
University

School of Engineering

Department of Computer Science & Engineering

BoS Meeting on 19th Jan 2018

Agenda

Sl. No	Details
1	Presentation on the Odd Semesters Results and interactions
2	Discussion on the scheme and presentation of the draft syllabi of 7 th and 8 th Semesters B Tech CS&E, modifications and endorsement
3	Discussion on Departmental Electives and making provision for Tutorial/Practice sessions
4	Discussion on Minor Projects in the 3 rd year of B Tech CS&E
5	Deliberations on the Scheme of Study & Evaluation of B Tech CS&E for the 2019-20 batch a) Broad sketch of the Scheme b) Introduction of 50:50 Evaluation Scheme
6	Any other academic matter

Chairman

Dept. of CSE

Dayananda Sagar
University

Girisha GS <girisha-cse@dsu.edu.in>

Fwd: BoS Meeting of Computer Science & Engineering on 19th Jan 2018

1 message

Chairman CSE <mkb-cse@dsu.edu.in>
To: Girisha GS <girisha-cse@dsu.edu.in>

Tue, Oct 6, 2020 at 3:00 PM

BoS Meeting on 19th Jan 2018

Regards

----- Forwarded message -----

From: **Banga M.K** <chairman-cse@dsu.edu.in>

Date: Mon, Jan 15, 2018 at 11:04 PM

Subject: BoS Meeting of Computer Science & Engineering on 19th Jan 2018

To: Y.N. Srikant <ynsrikant@gmail.com>, Venkat A K <venkat_ak@yahoo.com>, Ajith Pujar <ajith.pujar@tcs.com>, Ramesh Babu <bobrammysore@gmail.com>, <principal@sapthagiri.edu.in>, Channapa B Akki <chairman-ct@dsu.edu.in>, Dean Engineering <dean-engg@dsu.edu.in>, Chandra Vaidyanathan <chairman-maths@dsu.edu.in>, Dr. S G Shaila <shaila-cse@dsu.edu.in>, Dr. Reeja S R <reeja-cse@dsu.edu.in>
Cc: Registrar DSU <registrar@dsu.edu.in>, Finance Officer DSU <fo@dsu.edu.in>, <admin-reg@dsu.edu.in>, Bhaskar N Chittalkar <facilitymanager@dsu.edu.in>, Sanjana M <sanjana@dsu.edu.in>

Dear all,

Greetings from Dayananda Sagar University!

The Odd Semester Exams result have already been announced. We thank you profusely for your help in bringing in lot of innovations in our UG/PG degree programs. .

As confirmed to you in our tcon, the BoS meeting of Computer Science & Engineering is scheduled on 19th Jan 2018.

The details are below:

Date & Time : 19/01/2018 & 10.00 am
Venue : Board Room, 3rd Floor, Block A,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bangalore - 560068

The agenda for the meeting is attached.

I request you to kindly attend the meeting on 19th instant.

With regards,
M K BangaAgenda-BoSMeetingOn19thJan2018.docx
42K



Dayananda Sagar
University

Department of Computer Science & Engineering
School of Engineering

BOS Meeting on 15th Feb 2019

Agenda

Sl. No	Details
1	Scheme of B Tech Program provided by the University as a Guideline
2	Draft Scheme of B Tech CS&E for discussions and approval by the BoS
3	Discussion and Finalization of Syllabus for Computer Programming & Problem and the Lab Experiments for 1 st year
4	Result Analysis of Odd Semesters
5	Any other academic matters

Members Present:

- i) Prof Y N Srikant Member
- ii) Prof Ashwath Kumar M Member
- iii) Dr. T K Satheesh Member
- iv) Mr. Venkat Ayalur Member
- v) Mr. AjithPujar Member
- vi) Prof. Sanjay Chitnis Member
- vii) Prof.Rajanikanth N Kashi Invitee
- viii) Dr. Shaila S G Invitee
- ix) Dr. Reeja S R Invitee
- x) Prof. M K Banga Chairman

Minutes of the Meeting

Points Discussed and Observations :

- 1) Discussion on the **Scheme of B Tech CS&E:**
 - i. There was a discussion on the over all structure of the new scheme of study for the batch joining the University in the Academic Year 2019-20 and onwards. It was suggested that there should not be any Specialization in a specific Technology Area and members suggested that the students be allowed to choose their Professional (Departmental) Electives from Technology Streams after discussions with their Class Advisors and mentors.
 - ii. Members opined that a separate B Tech in **Computer Science & Computational Intelligence or** similar B Tech program be introduced after checking the demand in the Industry if specialized degree programs are planned for launching.
 - iii. 50:50 for the CIA and SEE was appreciated by the BoS


- 2) Discussion on the 1st year courses:
 - i. Members strongly felt that **Basic Electronics** course needs to be included in the first year as it will help all the branches in understanding and appreciating the applications of Electronics in the respective disciplines. It was also suggested that the Course on **Basic Electronics can have Lab Practice** to understand the concepts and the usage of Electronics devices.
 - ii. It was also suggested by the members to check whether the other Departments need C Language as part of Computer Programming and Problem Solving or any other Language.
 - iii. Members felt that the **Data Structure topics in the CPPS course** be limited to only Arrays, Stacks and queues. Heavy dose of Pointers shall not be given.
 - iv. Members suggested that Problem Solving Techniques should be emphasized and rote learning and writing programs from the memory need to be discouraged. Internal members shared with the members that the Lab manual was changed for the current Academic Year thereby removing the repetition of the same experiments.
 - v. Members suggested that **Biology Course should be at the introductory level** and there should not be heavy modeling topics.
 - vi. It was also suggested that the class engagement should be moderate with around 30 hrs per week.

- 3) Discussion on the Higher Semesters(3rd to 8th Semester)
 - i) With the introduction of Basic Electronics in the 1st year, the Members suggested that the Syllabi of **"Analog Electronics"** and **"Digital Electronics & Logic Design"** shall be designed such that there are no repetitions of the topics of "Basic Electronics". Further it was suggested to include circuit Simulation using Verilog in the Course "Digital Electronics & Logic Design".
 - ii) DMS course should have Graph Theory and Combinatorics as in the current scheme.
 - iii) It was suggested that a course such as **"Economics for Engineers"** be named as a course in place of Humanities & Social Sciences including Management Studies-1. It was also

- suggested that the Economics course be taught by the faculty with appropriate background drawn from other Schools
- iv) Members suggested that the Minor Projects be given more weightage as a 2 credit course instead of 1 credit
 - v) The name of the Course "IT Workshop" be given an appropriate title.
 - vi) Name of the course on Signals and Systems be changed to Fundamentals of Signal Processing
 - vii) Members felt that that the Professional (Departmental) Electives can have the credit structure of 2-0-2 as in the current scheme so that Lab Practice can be brought in
 - viii) Members said that practice of mini projects in Labs be continued in the new scheme
 - ix) Members were of the opinion that Humanities & Social Sciences course in 7th semester can be replaced by Cryptography and Network Security as Security can not be ignored in the Cyber Age
 - x) Members suggested that MOOC courses be introduced in line with UGC/AICTE guidelines

Decisions Taken :

- i) It was decided to include Basic Electronics in the 1st year B Tech with Lab Practice being integrated into the Theory. With this inclusion the credit in 1st and 2nd semesters will be 21 each.
- ii) As per the suggestions made by the BoS, it was decided to talk to other Departments to finalize on the Language to be selected for CPPS course in the 1st year. Other Departments have agreed for C as the Computer Language in CPPS.
- iii) The course "Economics for Engineers" was decided as the Humanities & Social Sciences -1 course in the 3rd Semester.
- iv) The title of the Course "IT Workshop" was changed to "Computational Skills Lab"
- v) The title of the course "Signals & Systems" was changed to Fundamentals of Signal Processing
- vi) It was decided that a) Open Elective -3 and Professional (Departmental) Elective-5 will be MOOC courses.
- vii) Departmental Electives a) Soft Computing, b) Digital Image Processing, were slightly modified. A new Departmental Elective "Robotic Process Automation" is added to the list. The Syllabi of the Institutional Elective "Web Technology" is also modified. These are for the Academic Year 2019-20 for the 2016 Scheme. Copies of these elective courses are attached.


15/02/2019

Dr. M. K. Banga
Chairman, BoS in CS&E

Board of Studies for Dept of CSE, DSU

July-2020

Agenda:

2019-23 Batch: Update to scheme and Syllabus for 3rd and 4th Semester Courses

2020-24 Batch: New Scheme and Syllabus for 1st Semester CSE courses

Minutes:

As per the directions of Vice Chancellor Sir. the updates to the scheme and syllabus were sent to the esteemed BoS members on July 22, 2020 by email and their feedback and approval was sought. This was due to the COVID situation.

The Following five Members approved the modifications as requested:

1. Dr. M Narasimha Murthy, IISc
2. Mr. Sameer Kelekar
3. Dr. Vishwanath C N
4. Dr. K S Shreedhara
5. Dr. Jasma B.

This email responses are attached.

One member Dr. Sanjay H A suggested few modifications. These were discussed and appropriate changes were made.

Here are the details as per the email thread providing the details

BoS for Dept of CSE, Dayananda Sagar University

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

Attachments

Wed, Jul 22, 2:47 PM (13 days ago)

to mnm@iisc.ac.in, ks_shreedhara@yahoo.com, sanjay.ha@nmit.ac.in, Rajni.lal@hcl.com, vishicn@hotmail.com, samir_kelekar@yahoo.com, Nagesh.poojary@continental-corporation.com, K, Dean, Dr.A.Srinivas

Dear Sir/Madam,

Greetings of the day! Hope you are doing well in these times.

I am writing this mail as you are an esteemed member of the Board of Studies for The Dept. of CSE, Dayananda Sagar University. I, Dr. Sanjay Chitnis, have recently taken over from Dr. Banga as the Chairman for Dept of CSE, DSU. Dr. Banga continues to be the Dean, Research for DSU and also member of the BoS for CSE.

As you may be aware, we had a change at the Vice Chancellor level as well. Dr. KNB Murthy, who was the Vice Chancellor of PES University, has recently taken over as the Vice Chancellor for our University after the retirement of Dr. ANN Murthy.

After joining us, he has given several inputs for the curriculum improvement for the 2019 scheme of BTech CSE. This is proposed to be applicable to both 2019-20 batch now entering 3rd Semester, as well as 2020-21 batch.

The proposed modified Scheme for BTech in Computer science and Engineering for 2019-20 and 2020-21 and syllabus for II year are attached for your review and approval.

Here is the quick summary of the changes proposed.

1. Number of credits reduced to 160 from 182 as per the AICTE Model curriculum.
2. Continuous Internal Assessment (CIA) is proposed to be 60M and Semester End Assessment (SEE) is proposed to be 40 Marks. Earlier, the split was 50:50. The CIA will consist of 25 marks midterm exam, 15 Marks Quizzes spread over the semester and 20 Marks at the discretion of the teaching faculty based on the nature of the course and Pedagogy used.
3. Total 4 credits allocated for 2 "Special topics" over 2 semesters. This was a very successful initiative in the PES University. This will include students doing a short term workshop, short course by visiting faculty, etc, A concept note written by our Dean Dr. Srinivas is attached.
5. Theory and Labs integrated as a single course as per the AICTE curriculum in order to focus on hands-on skills. Most of the labs will go beyond the lab experiments and instead have small projects.
6. **One credit Course on Art and Culture added during the first year.** For the 2019-20 batch only, it will be conducted during the 3rd semester.

7. We have initiated a special initiative to upgrade programming skills of students to enable them to do better Projects at the course level as well as for Minor and Major projects.

First Year Computer Programming and Problem Solving course revamped to focus on good programming skills by Dr. Viraj Kumar, who has joined us as a Research Faculty.

Introduced Computational Thinking with Python a hands on course where student will learn these skills with short exercises

Introduced Web Programming in 4th sem based on inputs regarding placements

Due to the COVID Situation, we would like to get your inputs/approval via email/Phone call. Please review the attached scheme/syllabus. If you need any clarifications, please let me know, I can call you as per your convenience. If you have any additions/modifications, we will be happy to discuss and incorporate.

We seek your approval of the scheme for implementing the same.

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Best Regards, 

Dr. Sanjay R. Chitnis

Chairperson, Dept. of CSE

Phone: 9886379597

Narasimha Murty Musti

Wed, Jul 22, 3:07 PM (13 days ago)

to me, ks_shreedhara@yahoo.com, sanjay.ha@nmit.ac.in, Rajni.lal@hcl.com, vishicn@hotmail.com, samir_kelekar@yahoo.com, Nagesh.poojary@continental-corporation.com, K, Dean, Dr.A.Srinivas

Dear Professor Chitnis:

Thank you for your mail. I agree with the proposed modifications and the proposed scheme. Please go ahead.

Regards,
MNMurty

Chairman-CST
Wed, Jul 22, 3:40 PM (13 days ago)
to me

Dear Sir,

Greetings of the day!

Scheme & Syllabus Approved! Please go ahead.

Regards,
Chairman-CST

Vishwanath C N

Wed, Jul 22, 4:49 PM (13 days ago)

to mnm@iisc.ac.in, ks_shreedhara@yahoo.com, sanjay.ha@nmit.ac.in, Rajni.lal@hcl.com,
samir_kelekar@yahoo.com, Nagesh.poojary@continental-corporation.com, Dean, **Vishwanath**,
Dr.A.Srinivas, me, K

Hello Sir,

Hope you are doing well !!

Thanks for your email. I believe the modification will help students and understand the subject even better. I agree to the below proposed changes.

Thanks and Regards,

Vishwanath

ks_shreedhara@yahoo.com

Wed, Jul 22, 8:46 PM (13 days ago)

to me

Sir

Thank you for sending detail mail regarding your new assignment and development of the university
Congratulations sir.

I am accepting the modifications and proceed further.

Thank you

Shreedhara K S

Samir Kelekar

Thu, Jul 23, 1:46 PM (12 days ago)

to mnm@iisc.ac.in, sanjay.ha@nmit.ac.in, Rajni.lal@hcl.com, vishicn@hotmail.com,
Nagesh.poojary@continental-corporation.com, K, Dean, Dr.A.Srinivas, ks_shreedhara@yahoo.com, me

Hi Sanjay

Congratulations to you!

The changes are fine with me.

regards,

Samir

Dr.Sanjay HA

Thu, Jul 23, 8:54 PM (12 days ago)

to me, mnm@iisc.ac.in, ks_shreedhara@yahoo.com, Rajni.lal@hcl.com, vishicn@hotmail.com, samir_kelekar@yahoo.com, Nagesh.poojary@continental-corporation.com, K, Dean, Dr.A.Srinivas

Dear Sir

Kindly find my comments

1. **2 Credits- Special Topic :**

The following component may be omitted. Consultancy/Training Institutes may take advantage of this component

(vii) An expert from a company offers a 3 or 4 day workshop (on-campus or outside the campus) involving mostly hands-on and a project component and a group of students successfully complete the workshop, with well defined learning components and deliverables.

2. **Analog Electronics - 3rd Sem**

This course may not be required for CSE, it can be replaced with a better course. Digital Electronics & Logic Design course is enough for CSE

3. **Principles of Microprocessors & Computer Organization -4 th Sem**

Combining Microprocessor and Computer Organization is not a good idea, Students will not learn both in detail.

It's a challenging task for Faculty to deal with.

4. Fundamentals of Signal Processing - 4th Sem

It looks like syllabus is Electronics Oriented rather than CSE

5. Web Technology course is available as Hard Core in 4th Sem and Soft core in 5th Sem

6. Hope you have taken care in reducing the content of course with reduction in Credits

Thanking You

With Regards

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Thanking You

With Regards

Dr. Sanjay H A

Prof & Head

Dept. of Information Science & Engineering

Nitte Meenakshi Institute of Technology

Post Box No: 6429

Yelahanka

Bangalore-560064

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Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

to Dr.Sanjay, mnm@iisc.ac.in, ks_shreedhara@yahoo.com, Rajni.lal@hcl.com, vishicn@hotmail.com, samir_kelekar@yahoo.com, Nagesh.poojary@continental-corporation.com, K, Dean, Dr.A.Srinivas

Dear Dr. Sanjay H A,

Thanks for your elaborate and thoughtful inputs.

We have discussed this internally and I have added our response in your mail below. Hope the response is acceptable to you.

On Thu, Jul 23, 2020 at 8:54 PM Dr.Sanjay HA <sanjay.ha@nmit.ac.in> wrote:

Dear Sir

Kindly find my comments

1.2 Credits-Special Topic

The following component may be omitted. Consultancy/Training Institutes may take advantage of this component

(vii) An expert from a company offers a 3 or 4 day workshop (on-campus or outside the campus) involving mostly hands-on and a project component and a group of students successfully complete the workshop, with well defined learning components and deliverables.

These Special topic courses are not meant for external trainers/consultants. Students will not be charged extra as these are part of the basic credit requirements for which they already have paid the fees. These experts for like visiting faculty from abroad or from premier institutes etc. DSU will bear the cost of the resource person. We will update the document to clarify this point.

2. Analog Electronics - 3rd Sem

This course may not be required for CSE, it can be replaced with a better course. Digital Electronics & Logic Design course is enough for CSE

We have taken your inputs and will address it. We are planning to merge this subject with Basic electronics course in the First year. As the 2019 batch has already completed its first year, we do not want to change now, but for the next batch we will work on reducing this subject by merging the content.

3. Principles of Microprocessors & Computer Organization -4 th Sem

Combining Microprocessor and Computer Organization is not a good idea, Students will not learn both in detail.

It's a challenging task for Faculty to deal with.

Prof Banga has made this syllabus after looking into AICTE syllabus also and he confirmed that it is doable. We will try this year and if need be, we will incorporate the changes.

4. Fundamentals of Signal Processing - 4th Sem

It looks like syllabus is Electronics Oriented rather than CSE

We have now modified the syllabus and changed this subject back to Signals and Systems. The modified syllabus is attached.

5. Web Technology course is available as Hard Core in 4th Sem and Soft core in 5th Sem

This is a valid comment. As we have one more year, we had not updated the list in the document. We will be coming up with updated list during the next BoS meeting which hopefully can happen face to face.

6. Hope you have taken care in reducing the content of course with reduction in Credits

Yes. We have now assigned NO. of hours in line with the credits and ensured that they are reasonable.

-- S.R. Ch

Best Regards,

Dr. Sanjay Chitnis

Chairperson, Dept of HOD
Chairman of Science Engg. Dept

Dayananda Sagar University
Department of Engineering

Attachments: 1
Kudlu Gole, Hosur Main Road,
BANGALORE - 560 068



Fwd: [DSU CSE BoS] Upgrade of courses from 2016 Scheme

4 messages

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

Fri, Aug 14, 2020 at 9:13 AM

To: Registrar DSU <registrar@dsu.edu.in>

Cc: "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, C V S N Reddy <cvsnreddy-cse@dsu.edu.in>, Girisha GS <girisha-cse@dsu.edu.in>, Monali Mavani <monali-cse@dsu.edu.in>, Pramad T C <tcpamod-ct@dsu.edu.in>, Babu Karthik <babu-cse@dsu.edu.in>, Mallanagouda Patil <patil-cse@dsu.edu.in>, Ranjini K <ranjini-cse@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>

Dear Registrar Sir,

Here are the files for updated Syllabus for 2016 scheme of B.Tech CSE. The following mail to BoS gives the details. The course numbers are kept the same for the existing courses. For new electives, we have given numbers in continuation after the numbers for the existing electives courses.

I have already received Go ahead from Prof. M Narasimha Murthy from IISc with a suggestion to add Deep Learning Course also, which we will do next semester. I will send a consolidated feedback in a single file when I hear from other members along with the final version of the syllabus files.

Please let us know if we need to do anything else regarding this.

Dear Faculty: Please use the enclosed copy of the latest syllabus as some changes were done after your provided the version to the Curriculum team. These files are already in the CSE Google drive repository for BoS.

Dr Sanjay Chitnis

----- Forwarded message -----

From: Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

Date: Thu, Aug 13, 2020 at 4:15 PM

Subject: [DSU CSE BoS] Upgrade of courses from 2016 Scheme

To: mnm@iisc.ac.in <mnm@iisc.ac.in>, ks_shreedhara@yahoo.com <ks_shreedhara@yahoo.com>, sanjay.ha@nmit.ac.in <sanjay.ha@nmit.ac.in>, Rajni.lal@hcl.com <Rajni.lal@hcl.com>, vishicn@hotmail.com <vishicn@hotmail.com>, samir_kelekar@yahoo.com <samir_kelekar@yahoo.com>, Nagesh.poojary@continental-corporation.com <Nagesh.poojary@continental-corporation.com>, Dr. T. K Sateesh <chairman-ct@dsu.edu.in>, Dean Research <dean-research@dsu.edu.in>

Cc: Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>

Dear Sir/Madam,

Greetings from Dayananda Sagar University! Hope you are doing well.

Further to my earlier request for updates to 2019 scheme, We have additional requests for updates to the 2016 syllabus with respect to the upgrade of syllabus and adding new electives.

Request 1: Upgrade of syllabus for Machine Learning and Cloud Computing

Reason: Earlier syllabus was framed in 2016 and we need to make it current and hands-on. All the following courses will now have Integrated Labs:

1. **16CS401 Machine Learning**: Changed the textbook from Tom Mitchel to "Intro to Statistical Learning" by James Witten, Hastie and Tibshirani. Added 2 hours/week lab with Tensorflow.
2. **16CS430 Cloud Computing (Elective Course)**: Upgraded the syllabus, Added 2 hours/week Lab with AWS and Google Cloud Platform.

The new syllabus is enclosed.

Request 2: New Open electives from CSE Dept for final year students from other Depts

Reason: Earlier we were offering the course on AI. Now other departments have added components of AI in their Dept. electives. Thus after discussing with the Chairmen (heads) of other departments, we have identified the following two courses as Open electives:

1. 16IE405 Cloud Computing This is a lighter version of the elective offered for CSE.
2. 16IE406 Machine Learning with Python

The syllabus is enclosed.

Request 3: Adding 2 Courses to Departmental Electives List for 5th Sem

Reason:

- To support upcoming professional needs,
- To give wider choice to students and
- To enable more relevant minor and major Projects by Students based on the learning from these courses.

5th Semester: Dept Electives-II list

1. 16CS333 Cybersecurity. This is a new course.
2. 16CS334/430 Cloud Computing: This is now brought to 5th Sem for 2018-22 Batch. For 2017-21 Batch, it continue to be in the 4th Year with upgraded syllabus

Kindly provide your valuable suggestions and approve if found suitable..

--

Best Regards,
Dr. Sanjay R. Chitnis
Chairperson, Dept. of CSE



linkedin: <https://in.linkedin.com/in/sanjaychitnis>

Setup Online Meeting: <https://calendly.com/chairperson-cse>

"You are what your deep, driving desire is. As your desire is, so is your will. As your will is, so is your deed. As your deed is, so is your destiny."

– Brihadaranyaka Upanishad IV. 4.5

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Best Regards,
Dr. Sanjay Chitnis
Chairperson, Dept. of CSE
Dayananda Sagar University, Bengaluru

5 attachments

- 16CS401-Machine Learning.docx
46K
- 16CS333 Cybersecurity Elective.docx
10K
- 16IE405 Cloud Computing open elective.docx
16K
- 16CS334 430 Cloud Computing Elective.docx
16K
- 16IE406 Machine Learning With Python Open Elective.docx
373K

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

To: Narasimha Murty Musti <nmnm@iisc.ac.in>

Cc: "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, C V S N Reddy <cvsnreddy-cse@dsu.edu.in>, Girisha GS <girisha-cse@dsu.edu.in>

Fri, Aug 14, 2020 at 9:14 AM

Dear Sir,

Thanks for your suggestion regarding the Deep Learning Course.

We are adding that to the Electives being offered during the Next Semester.

Thanks again,
Dr. Sanjay Chitnis

On Thu, Aug 13, 2020 at 4:58 PM Narasimha Murty Musti <nmn@iisc.ac.in> wrote:

Dear Prfo Chitnis:

It looks fine. Please go ahead.
It may be a good idea to introduce a course on Deep Learning in the near future.

Regards,
MNM

From: Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

Sent: 13 August 2020 16:15

To: Narasimha Murty Musti <nmn@iisc.ac.in>; ks_shreedhara@yahoo.com <ks_shreedhara@yahoo.com>; sanjay.ha@nmit.ac.in <sanjay.ha@nmit.ac.in>; Rajni.lal@hcl.com <Rajni.lal@hcl.com>; vishicn@hotmail.com <vishicn@hotmail.com>; samir_kelekar@yahoo.com <samir_kelekar@yahoo.com>; Nagesh.poojary@continental-corporation.com <Nagesh.poojary@continental-corporation.com>; Dr. T. K Sateesh <chairman-ct@dsu.edu.in>; Dean Research <dean-research@dsu.edu.in>

Cc: Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>

Subject: [DSU CSE BoS] Upgrade of courses from 2016 Scheme

External Email

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[Quoted text hidden]

Fri, Sep 25, 2020 at 5:11 PM

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

To: Dean Research <dean-research@dsu.edu.in>

Cc: Chairman-CST <chairman-ct@dsu.edu.in>, Girisha GS <girisha-cse@dsu.edu.in>, C V S N Reddy <cvsnreddy-cse@dsu.edu.in>

Dear Sir,

Thanks for your inputs. We will ensure that.

On Fri, Sep 25, 2020 at 4:35 PM Dean Research <dean-research@dsu.edu.in> wrote:

Dear Prof Sanjay,

Requests 1 and 2 are perfect.

As regards Request 3, there are some reservations at the 5th Sem level. . The prerequisite courses such as Computer Networks for Cyber Security and OS and Computer Networks for Cloud Computing are not covered before. However, If the syllabi of the new Elective Courses are having the introductory chapters on the prerequisite topics, then these can be offered at the 5th Semester level.

My suggestion is that Module 1 could be the prerequisites in both the courses.

With regards,
M K Banga

On Fri, Sep 25, 2020 at 4:12 PM Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in> wrote:

Thanks a lot.

On Fri, Sep 25, 2020 at 3:46 PM Chairman-CST <chairman-ct@dsu.edu.in> wrote:

Dear Sir,

Greetings of the day!

I am OK with the change in syllabus and upgrade of courses.

Regards,
Jasma Balasangameshwara

On Fri, Sep 25, 2020, 14:28 Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in> wrote:

A soft reminder as today I will be sending the BoS report to registrar Sir. He needs to assign the course codes for the internals to happen.

On Tue, Sep 22, 2020 at 2:27 PM Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in> wrote:

Dear Sir,

We had sought approval from BoS for this. As both of you are part of the BoS, Request your comments/approval for our records.

I am also sending request to other members who have not yet replied.

Thanks in advance!

----- Forwarded message -----

From: **Dr. Sanjay Chitnis** <chairman-cse@dsu.edu.in>

Date: Thu, Aug 13, 2020 at 4:15 PM

Subject: [DSU CSE BoS] Upgrade of courses from 2016 Scheme

To: mnm@iisc.ac.in <mnm@iisc.ac.in>, ks_shreedhara@yahoo.com <ks_shreedhara@yahoo.com>, sanjay.ha@nmit.ac.in <sanjay.ha@nmit.ac.in>, Rajni.lal@hcl.com <Rajni.lal@hcl.com>, vishicn@hotmail.com <vishicn@hotmail.com>, samir_kelekar@yahoo.com <samir_kelekar@yahoo.com>, Nagesh.poojary@continental-corporation.com <Nagesh.poojary@continental-corporation.com>, Dr. T. K Sateesh <chairman-ct@dsu.edu.in>, Dean Research <dean-research@dsu.edu.in>
Cc: Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>

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[Quoted text hidden]

[Quoted text hidden]

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[Quoted text hidden]

Fri, Sep 25, 2020 at 5:25 PM

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

To: Registrar DSU <registrar@dsu.edu.in>

Cc: "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, C V S N Reddy <cvsnreddy-cse@dsu.edu.in>, Girisha GS <girisha-cse@dsu.edu.in>, Chairman-CST <chairman-ct@dsu.edu.in>, Monali Mavani <monali-cse@dsu.edu.in>, Mallanagouda Patil <patil-cse@dsu.edu.in>, Babu Karthik <babu-cse@dsu.edu.in>, Pramod T C <tcpramod-ct@dsu.edu.in>

Dear Registrar Sir,

Here are the files for upgraded and new elective courses that we are offering now along with the BoS approvals document.

Kindly verify/assign the course numbers.

The details are in the following mails addressed to you and BoS members. Please call me and I will come to your office in case you need any clarifications.

Best regards,
Sanjay Chitnis

[Quoted text hidden]

6 attachments

 **16CS401-Machine Learning.docx**
46K

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10K
-  **16IE405 Cloud Computing open elective.docx**
16K
-  **16CS334 430 Cloud Computing Elective.docx**
16K
-  **16IE406 Machine Learning With Python Open Elective.docx**
373K
-  **BoS Approval Upgrade of courses 2016 scheme.pdf**
300K



Dayananda Sagar
University

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

[DSU CSE BoS] Upgrade of courses from 2016 Scheme

Narasimha Murty Musti <nmnm@iisc.ac.in>

Thu, Aug 13, 2020 at 4:58 PM

To: "Dr. Sanjay Chitnis" <chairman-cse@dsu.edu.in>

Dear Prfo Chitnis:

It looks fine. Please go ahead.

It may be a good idea to introduce a course on Deep Learning in the near future.

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From: Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

Sent: 13 August 2020 16:15

To: Narasimha Murty Musti <nmnm@iisc.ac.in>; ks_shreedhara@yahoo.com <ks_shreedhara@yahoo.com>; sanjay.ha@nmit.ac.in <sanjay.ha@nmit.ac.in>; Rajni.lal@hcl.com <Rajni.lal@hcl.com>; vishicn@hotmail.com <vishicn@hotmail.com>; samir_kelekar@yahoo.com <samir_kelekar@yahoo.com>; Nagesh.poojary@continental-corporation.com <Nagesh.poojary@continental-corporation.com>; Dr. T. K Sateesh <chairman-ct@dsu.edu.in>; Dean Research <dean-research@dsu.edu.in>



Dayananda Sagar
University

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

[DSU CSE BoS] Upgrade of courses from 2016 Scheme

Samir Kelekar <samir_kelekar@yahoo.com>
Reply-To: Samir Kelekar <samir_kelekar@yahoo.com>
To: "Dr. Sanjay Chitnis" <chairman-cse@dsu.edu.in>

Fri, Sep 25, 2020 at 12:16 AM

It is fine.

Just that in the cybersecurity course, wont the material be too much to cover in one course?

Now each field such as web applications security or malware analysis has evolved into a specialization by itself.

Can there be two courses? Cybersecurity I and II.

Otherwise I have no other suggestions.

regards,
Samir

[Quoted text hidden]



Dayananda Sagar
University

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

[DSU CSE BoS] Upgrade of courses from 2016 Scheme

Chairman-CST <chairman-ct@dsu.edu.in>
To: "Dr. Sanjay Chitnis" <chairman-cse@dsu.edu.in>
Cc: Dean Research <dean-research@dsu.edu.in>

Fri, Sep 25, 2020 at 3:46 PM

Dear Sir,

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I am OK with the change in syllabus and upgrade of courses.

Regards,
Jasma Balasangameshwara
[Quoted text hidden]



Dayananda Sagar
University

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

[DSU CSE BoS] Upgrade of courses from 2016 Scheme

Dean Research <dean-research@dsu.edu.in>
To: "Dr. Sanjay Chitnis" <chairman-cse@dsu.edu.in>
Cc: Chairman-CST <chairman-ct@dsu.edu.in>

Fri, Sep 25, 2020 at 4:35 PM

Dear Prof Sanjay,

Requests 1 and 2 are perfect.

As regards Request 3, there are some reservations at the 5th Sem level. . The prerequisite courses such as **Computer Networks for Cyber Security and OS and Computer Networks for Cloud Computing** are not covered before. However, If the syllabi of the new Elective Courses are having the introductory chapters on the prerequisite topics, then these can be offered at the 5th Semester level.

My suggestion is that Module 1 could be the prerequisites in both the courses.

With regards,
M K Banga

[Quoted text hidden]



Fwd: Request for BoS Approval for CSE, Dayananda Sagar University

3 messages

Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>
To: Girisha GS <girisha-cse@dsu.edu.in>

Wed, Mar 3, 2021 at 1:28 PM

----- Forwarded message -----

From: Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in>

Date: Fri, Feb 26, 2021 at 11:09 AM

Subject: Re: Request for BoS Approval for CSE, Dayananda Sagar University

To: to: mnm@iisc.ac.in <mnm@iisc.ac.in>, ks_shreedhara@yahoo.com <ks_shreedhara@yahoo.com>, sanjay.ha@nmit.ac.in <sanjay.ha@nmit.ac.in>, Rajni.lal@hcl.com <Rajni.lal@hcl.com>, vishicn@hotmail.com <vishicn@hotmail.com>, samir_kelekar@yahoo.com <samir_kelekar@yahoo.com>, Nagesh.poojary@continental-corporation.com <Nagesh.poojary@continental-corporation.com>, Dr. T. K Sateesh <chairman-cl@dsu.edu.in>, Dean Research <dean-research@dsu.edu.in>

Cc: Registrar DSU <registrar@dsu.edu.in>, Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>

Dear Sir,

Please let me know if you have any comments on this material. Otherwise, we will take it as approved for the current semester.

Thanks for your support and best regards,

On Fri, Jan 15, 2021 at 1:10 PM Dr. Sanjay Chitnis <chairman-cse@dsu.edu.in> wrote:
Dear Sir,

Happy new year and Greetings on the occasion of Sankranti and Pongal!

As per the direction of Vice Chancellor Sir, this semester also, we would like to get email based approval for the changes for the Scheme and Syllabus due to COVID Situation.

Here is the high level summary of the changes proposed for which we request your valuable feedback/approval

1. 2016 scheme new electives

6th semester - New Dept. Elective 3- Deep Learning. We would like to introduce this new elective 6th, 7th OR 8th Semester: UG research Project/Product development. Students can take this instead of existing electives for 3 credits. Students will work on a research publication or a Product idea for a semester and can continue working on it in the subsequent summer term/semester. This is only for highly motivated students who are planning for higher studies/startup. The Project should be approved by the Dept Chair and will be evaluated by a team of senior faculty.

2. 2016 scheme new Institutional Elective (for other branches)

8th semester - Business Intelligence

3. 2016 scheme modified syllabus for electives

6th semester - Dept. Elective 3 - Mobile computing & Mobile Apps Development

6th semester - Dept. Elective 4- Data science

4. 2016 scheme modified syllabus for core courses

6th semester - Computer Networks: A small intro to IoT added

5. 2019 scheme modified syllabus for core course

4th semester - Signals & Systems : Added hands-on activities based on MATLAB

6. MTech CSE and CSIT:

We have upgraded the scheme to include one course on Maths, One course on advanced Algorithms and courses on Cloud, IoT and Deep Learning. The scheme and syllabus for these courses is attached.

Next year we propose to close MTech CSIT and run only one MTech program. That is why we have made the scheme similar for both programs except for electives.



Dayananda Sagar University
School of Engineering
KUDLU GATE, BANGALORE-560068

Department of Computer Science and Engineering

Board of Studies-Meeting (19th April 2021)

Agenda:

- Context for new curriculum design: Stakeholder feedback and Management Vision/Strategy
- Deliberations on the 2021 and 2020 scheme of BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity
- Discussion on the syllabi of following courses of 1st semester BTech CS&E, BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity (2021 scheme) and approving the same
 - i) Data-Centric Introduction to Computing
- Discussion on syllabi of 3rd Sem (2020 scheme) and approving the same
- Discussion on the syllabi of 5th Semesters B Tech CS & E (2019 scheme) and approving the same
- Discussion on the syllabi of 7th Semesters new Electives of B Tech CS&E (2016 scheme) and approving the same
- Deliberations on the scheme of additional 20 credits programmes and finalization
 - Honors
 - Minor (for other branches)
 - Specializations in emerging Technology area
- Deliberations on the scheme of MTech. CS&E (2021 scheme)
- Overall suggestions and directions, Concluding remarks

Minutes:

1. Specific Direction given by VC Sir/Management for new curriculum development were discussed.
2. Members suggested to have Management skill, communication skills, permutation skills, language, Biology and Chemistry in curriculum design
3. Topics on agriculture, transportation, education, health sciences may be considered for How Things works course in future.
4. Need to conduct intensive hands-on session with mentioning from experts for Special Topics and resource person is given more flexibility for conduction as well as assessment. Invite Alumni from different organisation from Bangalore or outside to engage special topics
5. Studios can be done in lab settings with strong peer interaction and learning
6. Research project/product development elective for 3 credits in any of the 6th /7th/8th semester needs thorough weekly review /demo sessions and assessment by a panel of experts in the department.

7. Economics course may be included in the Liberal studies category
8. Use the physical lab culture and practice
9. Having a lab in every course will help students
10. Integrated courses (theory + Practical) can be designed only based on maturity of the faculty and students
11. Members agreed that Data centric introduction to computing is very important and excellent course
12. Members recommended that basic electronics need to cover both analog and digital electronic.
13. Members recommended to have 3 Hrs lab for OS course
14. Suggested to have Computer Network as independent course without IOT
15. Suggested to split Machine learning courses in to multiple courses
16. Suggested to keep finite automated as a professional core course for all branches.
17. Members agreed that Application development in Cloud is a good course and not to teach only using the services provided by the cloud but should teach how to create new service
18. Digital Electronics course is moved as part of Ist Year Basic Electronics course
19. Suggested to go ahead with the curriculum changes mentioned

Action Taken:

BoS members suggestions were discussed and appropriate changes were made.

Members Present

1. Dr. M N Murthy
2. Dr. K S Sreedhar
3. Dr. Sanjay H A
4. Dr. Nagesh Poojary
5. Dr. Banga MK
6. Dr. Jasma B
7. Dr. Viraj Kumar
8. Dr. P Punitha
9. Dr. K V Subramaniam
10. Dr. Girisha G S

R.Ch
22 Apr 21
Chairman
Dept. of CSE
Chairman / HOD
Computer Science Engg. Dept
Davangonda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 068.

Girisha G S
22/4/21



DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING

- School : School of Engineering
- College : Dayananda Sagar University
- Program/Department : Computer Science & Engineering
- Mode of BOS Held : Online
- Date : 19th April 2021
- Venue : Block B, DSU
- Time : 10AM

- Members Present :

SL.No	Name	Designation & Affiliation	Signature
1	Dr.Sanjay Chitnis	Professor & Chairman, Dept of CS&E Dayananda sagar University	
2	Dr.M N Murty	Professor CS&A, IISc, Bengaluru	
3	Dr. KS Sreedhar	Professor CS&E, Principal, VTU-UBDT College of Engineering, Davangere	
4	Dr.H A Sanjay	Professor & Head, Dept of Information Science & Engineering, Nitte Meenakshi Institute of Technology, Bengaluru	
5	Dr. Nagesh Poojary	Head of Computer Vision Group, Continental Corporation India, Bengaluru	
6	Dr. Bangar M K	Professor & Dean, Research, Dayananda Sagar University	
7	Dr.Jasma B	Associate Professor & In-Charge Chairman Dept. of Computer Science & Technology, DSU	

- Members Absent :

SL.No	Name	Designation & Affiliation
1	Mr.Rajnikanth Lal	Solution Director, HCL Technologies, Bengaluru

2	Mr Vishwanath Shastri	Sr. Director, Retail BU-Harman International Samsung Corporation, Bengaluru
3	Dr. Samir Kelekar	Head of Cyber Security, CTO Organization, CISCO, Bengaluru

• Agenda

SL.No	Particulars
1	Context for new curriculum design: Stakeholder feedback and Management Vision/Strategy
2	Deliberations on the 2021 and 2020 scheme of BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity
3	Discussion on the syllabi of following courses of 1st semester BTech CS&E, BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity (2021 scheme) and approving the same
4	Discussion on syllabi of 3rd Sem & 4th Sem (2020 scheme) and approving the same
5	Discussion on the syllabi of 5th & 6th Semesters B Tech CS & E (2019 scheme) and approving the same
6	Discussion on the syllabi of 7th Semesters new Electives of B Tech CS&E (2016 scheme) and approving the same
7	Deliberations on the scheme of additional 20 credits programmes and finalization <ul style="list-style-type: none"> ▪ Honors ▪ Minor (for other branches) ▪ Specializations in emerging Technology area
8	Overall suggestions and directions, Concluding remarks

• Discussions on Agenda

Agenda	Discussions Brief
1	Context for new curriculum design as per the input given by VC, Management, Stakeholder were discussed. <ul style="list-style-type: none"> ▪ Introduce liberal studies component 10 courses ▪ Introduce special topics ▪ First year should be common ▪ Less credits during last year to support internships. ▪ Non-CS branches to include CS components (Core + CS) ▪ 60:40 for continuous assessment & semester end exam. ▪ Include hands on components as much as possible (including Maths) ▪ Base 100 credits + 20 credits specifications/Minor/Honours. ▪ All mandatory courses to have at least 1 credit.
2,3,4	Discussion on the scheme for 2021 and 2020 1. Semester wise Curriculum for 2021 and 2020 were presented

2. It is mentioned that the same scheme and syllabus of 2021-22 also applies to 2020-21 batch from 3rd semester onwards.

3. 1st Semester –

Data centric introduction to computing course feedback:

- Members were apprised of starting this course as it provides students with tools they can use in their fields of study and future professions

How Things works Course feedback:

- Members were apprised of starting this course as it provides study of key products/solutions in integrated way
- Members suggested to have topics on agriculture, transportation, education, health sciences for this course in future
- Members pointed out the assessment plan for this course
 - It was briefed that students will do study project using internet and interacting with experts and prepare study report as part of assessment

Discrete Mathematics course feedback:

- Members suggested that **DMS in 1st sem** and **Calculus in 4th sem** can be combined as a single course
- Members also suggested to have combinatorics as part of this course

Basic Electrical Engineering course feedback:

- Members suggested to include Basic power supply, SMPS as part of this course

4. II semester

Health Sciences course feedback:

- Suggested that this course should have focus on Mathematical Models in the Health Sciences

Basic Electronics course feedback:

- Members suggested that this course should cover both analog and digital Electronics and Gate Exams topics as well as sensors, actuators topics

Mathematics Courses feedback:

Members recommended that these course can be jointly taught by **CS** and maths faculty in order to bring practicality in the course

5. III & IV semester

Introducing Studio concept for Agile Software engineering & machine Learning courses

- The concept was highly appreciated by the members and also suggested that studios can be done in lab settings with strong peer interaction and learning
- Suggested to split **Machine learning courses** in to multiple courses like **Principles of AI, Advanced ML, ML-I, ML-II**

Microcontrollers and Embedded systems course feedback:

- Members suggested to add the topics like Node MCU, their architecture and embedded development platform in module 5

Computer Networks course feedback:

- Suggested to make **Computer Network** as an independent course without IOT instead of combining both topics as both will have to cover much wider topics. Suggested to swap OS and CN as OS course is a prerequisite for CN.

Cybersecurity course feedback:

- Members Suggested to move this course to V semester

Special Topics course feedback:

	<ul style="list-style-type: none"> Recommended to make use of PhD scholar to engage this course as Teaching assistant or Invite Alumni from different organisation from Bangalore or outside to engage special topics Recommended to conduct intensive hands-on sessions with mentoring from experts and resource persons are given more flexibility for conduction as well as assessment. <p>6. V & VI semester Operating system Course feedback:</p> <ul style="list-style-type: none"> Members recommended to have 3 Hrs lab for OS course Members suggested to keep OS in IV semester <p>FAFL course Feedback:</p> <ul style="list-style-type: none"> Suggested to keep finite automata as a professional course for all branches as it helps many students to take up Gate exam <p>CDSS Course feedback:</p> <ul style="list-style-type: none"> Suggested to combine FAFL & CDSS course if possible <p>Application development in the cloud course feedback:</p> <ul style="list-style-type: none"> Members agreed that Application development in Cloud is a good course and not to teach only using the services provided by the cloud but should teach how to create new service Recommended to have two physical labs up to 6th semester. For other courses where hands-on is very much important can be done in tutorial hour Members recommended to focus on continuous assessment and encourage learning beyond the classroom Members recommended to ensure that students should get enough time to do all assigned work. This can be done by having sufficient no of courses in each semester (8-9 courses including lab courses)
5,6,7	<ol style="list-style-type: none"> Discussion on the syllabi of 5th & 6th Semesters B Tech CS & E (2019 scheme) and approving the same Discussion on the syllabi of 7th Semesters new Electives of B Tech CS&E (2016 scheme) and approving the same Deliberations on the scheme of additional 20 credits programmes and finalization <ul style="list-style-type: none"> Honors Minor (for other branches) Specializations in emerging Technology area <ul style="list-style-type: none"> Suggested to seek email approval for the above agenda points as the BoS meeting exceeded the meeting time

- Final Decisions/Resolutions/Recommendations

Agenda	Decisions/Resolutions/Recommendations
1,2,3,4	<ul style="list-style-type: none"> Decision was taken to keep Digital electronics and Logic Design as a separate course in 3rd semester instead of combining with Basic Electronics as it has to be taught in-depth

	<ul style="list-style-type: none"> Removed 'data centric introduction to computing' and 'how things work' to balance credits for the 2 newly introduced courses Added Computational Thinking with python course back as students will not be learning python in first year as data centric introduction to computing course is removed Decision was taken to include 3 open electives instead of 2 Decision was taken to make Computer Network as independent course without IOT It was decided to have two physical labs up to 6th semester It was decided to keep tutorial hour for those courses which requires working on programming assignments and where hands-on is very much important Finalized syllabus of 3rd and 4th semesters with all modifications duly incorporated will be sent to all the members for their consent
5,6,7	Email approval received for the these agenda points
8	BoS members suggestions were discussed and appropriate changes were made

- List of Enclosures based on the Decisions/Resolutions/Recommendations submitted :

Agenda	Particulars
1,2,3,4	BoS Meeting Invitation, Agenda, BoS meeting conduction Photo
5,6,7	Email approvals

APR 2024

Signature of Chairman of BOS with Date

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



DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING

- School : School of Engineering
- College : Dayananda Sagar University
- Program/Department : B.Voc Computer Engineering & IT Infrastructure CSE
- Mode of BOS Held : Online
- Date : 29-07-2021
- Venue : Online
- Time : 11:30AM

• Members Present :

Sl. No	Name	Designation & Affiliation	Signature
1	Dr. Sanjay Chitnis	Professor & Chairman, Dept. of CSE, SoE, DSU	
2	Prof. Jagadish	Programme Head, NTTF, Bangalore	
3	Mrs. Dharmambal	Programme Head, NTTF, Bangalore	
4	Ms. Karunya	Programme Coordinator, NTTF, Bangalore	
5	Mr. Raja Sekaran	Co-ordinator, NTTF, Bangalore	
6	Dr. M. A. Banja	Head, Research, DSU	
7	Dr. Bondu Venkateswarlu	Asst. Prof Professor, CSE Dept. CSE	
8	Dr. Srinivas A	Head, CSE, DSU	
9	Mr. Vijay Kumar S	Deputy Director Training, Placement & Skill Development	

• Members Absent :

SL.No	Name	Designation & Affiliation
1	Mr. K.S. Franklin	Director, Continuing, Future Frame & Res. Bangalore
2	Mrs. M. Bhagavathi	Asst. Manager & Analyst, Processes, IT & ITR
3	Mrs. Kalpana	Asst. General Manager, NTTF Bangalore
4	Prof Anita K	Asst. Prof
5	Prof. Guru Venkatesh	Asst. Training and Placement (ATP)



DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING

- School : School Of Engineering
- College : Dayananda Sagar University
- Program/Department : B.VoC Computer Engineering & IT Infrastructure/ CSE
- Mode of BOS Held : Online
- Date : 28-07-2021
- Venue : Online
- Time : 11:30AM

• Members Present :

SL.No	Name	Designation & Affiliation	Signature
1	Dr. Sanjay Chitnis	Professor & Chairman, Dept. of CSE, SoE, DSU	
2	Prof. Jagadish	Programme Head, NTTF, Bangalore	
3	Mrs. Dharmambal	Programme Head, NTTF, Bangalore	
4	Ms. Karunya	Programme coordinator NTTF, Bangalore	
5	Mr. Raja Sekaran V	Pr. Co-ord., NTTF, Bangalore	
6	Dr. M.K. Banga	Dean Research, DSU	
7	Dr. Bondu Venkateswarlu	Associate Professor, CSE Dept, DSU	
8	Dr. Srinivas A	Dean SOE DSU	
9	Mr. Vijay Kumar S	Deputy Director - Training, Placement & Skill Development	

• Members Absent :

SL.No	Name	Designation & Affiliation
1	Mr. K.S. Franklin	Director - Consulting, Future Frame works, Bangalore
2	Mr. M. Bhagavathi	Ex-OM-Digital & Analytics Pressies WCL & WIPRO
3	Mrs. Kalpana	COE, General Manager, NTTF Bangalore
4	Prof Anita K	COE DSU
5	Prof Guru Venkatesh	VP - Training and Placement DSU



DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING

- School : School Of Engineering
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- Time : 11:30AM

• Members Present :

SL.No	Name	Designation & Affiliation	Signature
1	Dr. Sanjay Chitnis	Professor & Chairman, Dept, of CSE, SoE, DSU.	
2	Prof. Jagadish	Programme Head, NTTF, Bangalore	
3	Mrs. Dharmambal	Programme Head, NTTF, Bangalore	
4	Ms. Karunya	Programme coordinator NTTF, Bangalore	
5	Mr. Raja Sekaran V	Principal, NTTF, Bangalore	
6	Dr. M.K Banga	Dean Research, DSU	
7	Dr. Bondu Venkateswarlu	Associate Professor, CSE Dept, DSU	
8	Dr. Srinivas A	Dean SOE DSU	
9	Mr. Vijay Kumar S	Deputy Director - Training, Placement & Skill Development	

• Members Absent :

SL.No	Name	Designation & Affiliation
1	Mr. K.S. Franklin	Director - Consulting, Future Frame works, Bangalore
2	Mr. M. Bhagavathi	Ex-GM-Digital & Analytics presales HCL & WIPRO
3	Mrs. Kalpana	COE, General Manager, NTTF Bangalore
4	Prof Anita R	COE DSU
5	Prof Guru Venkatesh	VP - Training and Placement DSU

• Agenda

Sl.No	Particulars
1	Review of Scheme & Syllabus for the B.VoC Computer Engineering & IT Infrastructure Program for 3rd & 4th Semester for the Academic Year 2020-21.
3	Review of Scheme & Syllabus for the B.VoC Computer Engineering & IT Infrastructure Program for 1st & 2nd Semester for the Academic Year 2021-22

• Discussions on Agenda

Agenda	Discussions Brief
1	Chairman Computer Science & Engineering, DSU, Welcomed the guests. He appreciated the cooperation extended by NTTF for smooth conduct of examinations. Mr. Vijaya Kumar, Deputy Director - Training, Placement & Skill Development, SoE, Introduced the guests
2	The draft syllabi prepared by the Coordinator with the consultation of the NTTF Coordinators, were presented to the committee.

• Final Decisions/Resolutions/Recommendations

Agenda	Decisions/Resolutions/Recommendations
1	Deliberations were carried out regarding changes to be made in the scheme and syllabus for the academic year 2020-21, B.VoC Computer Engineering & IT Infrastructure. Based on the inputs from NTTF the amendment to the current scheme and syllabus.
2	Deliberations were carried out regarding changes to be made in the scheme and syllabus for the academic year 2021-22, B.VoC Computer Engineering & IT Infrastructure. Based on the inputs from NTTF the amendment to the current scheme and syllabus.
3	Draft Syllabi of 3 rd and 4 th semesters for the academic year 2020-21, B.VoC Computer Engineering & IT Infrastructure were discussed. Modifications suggested were deliberated, incorporated into the syllabus of the course and approved.
4	Draft Syllabi of 1 st and 2 nd semesters for the academic year 2021-22, B.VoC Computer Engineering & IT Infrastructure were discussed. Modifications suggested were deliberated, incorporated into the syllabus of the course and approved.

Sl. No.	Name of the Candidate	Grade	Percentage	Remarks
1	[Faint Name]	[Faint Grade]	[Faint Percentage]	[Faint Remarks]
2	[Faint Name]	[Faint Grade]	[Faint Percentage]	[Faint Remarks]
3	[Faint Name]	[Faint Grade]	[Faint Percentage]	[Faint Remarks]
4	[Faint Name]	[Faint Grade]	[Faint Percentage]	[Faint Remarks]
5	[Faint Name]	[Faint Grade]	[Faint Percentage]	[Faint Remarks]


 Signature of Chairman of BOS with Date 22-7-21



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

Date: 23-10-2019

Attendance Sheet - BoS Meeting

B.Voc in Information Technology & Data Analytics

List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Signature
1	JAGADISH G.R. program manager NTTF Bangalore	
2	Jishnu Ajith, Treasury officer, NTTF Bangalore	
3	K.S. Franklin, CEO, Fedare Networks IT Services	
4	M. BHAGAVATHI Asst. Gen. Digital & Analytics Proales, HCL & Wipro	
5	Gubuvendrasah, VICE president - placements & skill development, DSU	
6	SANJAY CHITNIS DIRECTOR, Innov. & Entrepreneurship & Prob. CSE, DSU.	
7	NIJAYKUMAR.S, Deputy Director - Training & Skill development, DSU	
8	Dr. M.K. Bangar, Asst. Chairman, Dept. CSE & E Team Research, DSU,	
9	Dr. Bandu Venkateshulu, Associate Professor CSE Dept., DSU	
10		
11		PTO for Proceedings

BOS Meeting - B.Voc in IT & Data Science

held on 23rd October 2019.

Proceedings of the BOS Meeting - B.Voc in Information Technology & Data Science:

The BOS met on 23-10-2019 and deliberated on the scheme of B.Voc in Information Technology & Data Science and the Syllabi of 1st and 2nd Semesters of B.Voc Programme.

After discussions, the following points are approved.

1. Scheme of all the six Semesters of B.Voc in Information Technology & Data Science
2. Syllabi of 1st and 2nd Semesters of B.Voc in Information Technology & Data Science.


23/10/19



Department of Computer Science & Engineering

Hosur Main Road, Kolar Gate, Bengaluru -560068

Date: 06/03/2020

Attendance Sheet - BOS Meeting

B. Voc - Information Technology (Data Analytics)

List of BOS members and faculties present

Sl. No	Name, Designation & Affiliation	Signature
1	Prof. Jagadish G. K. Program Manager NTTF, Bangalore	
2	Prof. Jishnu Ajith Training Officer, NTTF, Bangalore	
3	K. S. Franklin CEO, Future Frameworks IT services	
4	M. Bhagavathi Ex-GM-Digital & Analytics presales HCL & WIPRO	
5	Mr. Guru Venkatesh Vice president - placement & skill development, DSU	
6	Dr. Sanjay Chitnis Director, Innov & Entrepreneurship & Prof CSE, DSU	Leave of Absence
7	Mr. S S Srinivas Gopal Head - Training & Placement, DSU	
8	Mr. Vijaykumar S Deputy Director - Training & skill development, DSU	
9	Dr. M E. Rama Prof & Chairman Dept CSE & Research Dean, DSU	
10	Dr. Bondu Venkateshulu Associate Professor, Dept of CSE, DSU	

11. Dr. GUDLA BHANUSANKAR
Assistant Professor, Dept of CSE, DSU



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

BOS Meeting – B.Voc – IT (Data Analytics)

MINUTES OF THE MEETING:

Subject: Board of Studies- B.Voc in IT (Data Analytics)

Venue: Board Room, 3rd Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

Date: Friday, 06/03/2020

Meeting Agenda:

1. Results Analysis
2. Review Scheme & Syllabus for the B.Voc in IT (Data Analytics) Program for 3rd & 4th Semester
3. Any other academic matters

List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation
1	Dr. M.K. Banga Prof & Chairmen, Dept CSE & Research Dean, DSU
2	Prof. Jagadish G. K. Program Manager NTTF, Bangalore
3	Prof. Jishnu Ajith Training Officer, NTTF, Bangalore
4	Dr. Bondu Venkateswarlu Associate Professor, Dept of CSE, DSU
5	K. S. Franklin. CEO, Future Frameworks IT services
6	M. Bhagavathi Ex-GM-Digital & Analytics presales HCL & WIPRO
7	Mr. Guru Venkatesh Vice president –placement & skill development, DSI
8	Mr. S S Srinivas Gopal Head - Training & Placement, DSU
9	Mr. Vijaykumar S Deputy Director- Training & skill development, DSU
10	Dr. G Balakrishna Assistance Professor, Dept of CSE, DSU




Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

The outcome of the meeting after interaction among members is detailed below.

- i. Chairman Computer Science & Engineering, DSU, welcomed the guests. He appreciated the cooperation extended by NTTF for smooth conduct of examinations. Mr. Srinivasa Gopal Training and Placement officer SoE, introduced the guests.
- ii. Deliberations were carried out regarding changes to be made in the scheme and syllabus for the academic year 2019 -20, **B VoC IT (Data Analytics)**. Based on the inputs from NTTF the amendment to the current scheme and syllabus will be carried out.
- iii. Draft Syllabi of 3rd and 4th Semesters **B.VoC - IT (Data Analytics)** were discussed. Modifications suggested were deliberated, incorporated into the syllabus of the course and approved.


Chairman-Computer Science & Engineering,
School of Engineering, DSU