



DAYANANDA SAGAR UNIVERSITY

Department of Computer Science and Technology School of Engineering

PROCEEDINGS OF BOS MEETING

School : School of Engineering
College : Dayananda Sagar University
Program/Department : Computer Science & Technology
Mode of BOS Held : Online
Date : 14th July 2022
Venue : Online Zoom Meeting - <https://zoom.us/j/9060841464> /(Email)
Time : 10:30 am

Members Present:

SL. No	Name	Designation & Affiliation
1	Mr. Neerav Joshipura	Founder Director SoftN Enterprises
2	Mr. Ishwar Sundararaman	Serial Entrepreneur, IIMB Alumnus
3	Mr. NC Sriraman	Co-founder, MD, Metaphoric Networks Pvt. Ltd
4	Dr. R Janardhan	Pro-VC, DSU, Bangalore
5	Dr. M K Banga	Dean Research, DSU
6	Dr. M Shahina Parveen	Chairman Dept. CST

External Members Absent:

SL. No	Name	Designation & Affiliation
1	Mr. Aravind Sitaraman	Ex CISCO India head, Bangalore
2	Venkatesh D B	Cofounder & CEO, J V Technologies
3	Dr. Manjunath TN	Professor and Dean – External Relation, BMSIT

Agenda

SL. No	Particulars
1	Introduction of NEP into the curriculum and its implications
2	The context for new curriculum design: Stakeholder feedback and Management Vision/Strategy
3	Deliberations on the 2021 and 2020 schemes of BTech. CS&T.
4	Discussion on the Scheme and syllabi of the 5 th to 8th semester (2020 Scheme) and approving the same.
5	Discussion on Scheme and syllabi of 3rd Sem & 8th Sem (2021 scheme) and approving the same.
6	Overall suggestions and directions, Concluding remarks

Discussions on Agenda

Agenda	Discussions Brief
1	<p>Introduction of NEP into the curriculum and its implications:</p> <p>Chairperson Computer Science Technology deliberated upon the introduction of NEP into the curriculum for B. Tech Programme in CST for the academic year 2020-24,2021-25. The initiation taken by the department in implementing NEP Guidelines for HEI's Through Holistic development of learning, reduce curriculum content to enhance essential learning and critical thinking, Experiential learning, empowering students through flexibility in course choices has been discussed. The aspect of Curricular integration of essential subjects, skills and capacities have been discussed with reference to curriculum for B. Tech program. BOS members appreciated the efforts taken by the department in implementing NEP in to the Curriculum.</p>
2	<p>Discussion on BTech CST (2020-24 batch) 5th to 8th-semester scheme and syllabus:</p> <p>A detailed discussion on curriculum for B. Tech Computer science and technology have been initiated by chairperson CST. Semester wise distribution of courses and technologies electives and new courses on experiential learning, Interdisciplinary courses, liberal studies have been presented to members.</p> <p>VI semester</p> <p>Lean start-up methodology and career success strategies has been introduced in 6th Sem curriculum. Advantage of introducing this course has been discussed in detail. Sriraman and Ishwar suggested to split up the course into two courses.</p> <p>VII Semester</p> <p>Introduction of new course on IPR and Raising capital has been introduced in the 7th semester curriculum. The BOS members Sriraman, Ishwar has approved this course for</p>

	<p>this year. Neerav has suggested to add international legal aspect.</p> <p>VIII Semester</p> <p>Introduction of new course on Technology strategy has been introduced in the 8th semester curriculum and discussed the detailed the syllabus, where all the BOS members approved it. Dr. M K Banga has suggested to include case studies. Technology Verticals – Modifications are made to provide students choice-based curriculum and free to choose electives irrespective of specializations for 2020-24 batch onwards.</p>
3	<p>Discussion on BTech CST (2021-25 batch) 3rd to 8th-semester scheme and 3rd and 4th-semester syllabus.</p> <p>IV semester</p> <p>The Course “Advance Web Technologies/System design with ARM” was introduced in fourth semester CST B. Tech 2021-25 as this course is common to CSE and CST the approval from CSE will be retained. A Discussion on liberal studies was carried where economics for engineers and legal aspect were suggested to incorporate. Market research practical was suggested by BOS members to be introduced.</p> <p>Dr. Janardhan Pro -VC has Suggested utilizing innovation labs and working more on entrepreneurs and start-ups by collaborating with AIC-DSU, Also given inputs on making entrepreneurship a practice for all irrespective of the branch and course.</p>
4	<p>First round walkthrough on curriculum structure for 2022-26 batch based upon NEP 2020.</p> <p>First year syllabus based on NEP would be approved by CSE and followed by CST , as all the courses are common to CSE and CST in first year.</p>
5	<p>Any other matter of academic concern</p> <p>Chairperson Computer Science Technology briefed BOS Members about Innovation, entrepreneurial activates, Technology/Research/Entrepreneurial projects carried out during semester producing the outcomes, research papers, patents and start-ups. BOS members applauded progress of start-ups and good quality research papers of CST department faculty and Students. At the conclusion of meeting – Chairperson CST thanked all members for their valuable suggestions and time.</p>

- Email Feedback from BOS Member

1. Mr. Neerav Joshipura

Appreciated the department head for taking forward the start-ups and innovations IPR initiative.

Suggestions:

- a. Suggested the formal mechanism for regular collaboration with other depts like Mechanical, Civil, Bio-Tech, medicine, pharmacy etc. to understand the problems in the respective industries and then address these problems with CS technology.
- b. Also, through workshops we can explore students' attitude, aptitude and approach to solve the problems using technology from real life scenarios or anticipate problems early, given current & future requirements for Chip design, Drone technology I would suggest to cover this point somewhere in the curriculum.
- c. Offered to help in some entrepreneurship related courses and developing case studies.
- d. For deep technology courses, suggested to evaluate DSU Infra (e.g., for courses on Cloud or AR / VR what infra and machinery do we have) regularly and upgrade on need basis.

2. Mr. Ishwar Sundararaman

Inputs through online discussion:

Curriculum is very well thought out

Should provide greater focus on customer acquisition

Suggestions:

- a. Approved" IPR and Raising capital" course which is newly introduced and fall under entrepreneurial skills.

3. Mr. NC Sriraman

Appreciated, felt Proud and happy to see many new entrepreneurs getting incubated through our CT department and congratulated the entire team for this achievement

Appreciated electives for CT as great and is relevant to the student's needs.

Suggestions:

- a. Infrastructure requirements should meet from time to time.
- b. More focus should be on MARKET RESEARCH courses and workshops.

- c. Lean start-up methodologies and career success strategies courses should be introduced separately.
- d. IPR & Raising Capital course should be as two different courses from next year onwards. International legal aspects also should be added to this course.
- e. Add a few case studies in Technology Strategies course.
- f. For Liberal studies, some legal aspects related course can be added.
- g. Suggested, Entrepreneurship should be available as an elective for all the streams at DSU and anyone from DSU can opt for entrepreneurship electives and learn the fundamentals and become an entrepreneur.
- h. More Technology verticals like IIOT 4.0 for industry automation., Automotive electronics and programming.
- i. There could be more interactions of BOS members with Students who need support for their entrepreneurship idea and product forming and product Management etc.

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

Agenda	Particulars
1,2,3,4,5	BOS Meeting Invitation
2,3,4	Email Suggestions/ approvals

M. S. P. S.
14/7/22

Signature of Chairman of BOS with Date

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



Dayananda Sagar
University

Chairman-CST <chairman-ct@dsu.edu.in>

Schedule for BoS meeting- CST, DSU in online mode

neerav@softnenterprise.com <neerav@softnenterprise.com>
To: "Dr.M Shahina Parveen" <chairman-ct@dsu.edu.in>

Thu, Jul 14, 2022 at 1:26 PM

Thanks Dr. Shahina

It was good session. Just couple of points I would like to make

1. There should be some formal mechanism for regular collaboration with other depts like Mechanical, Civil, Bio-Tech, medicine, pharmacy etc. to understand the problems in the respective industries and then address these problems with CS technology.
2. Also, through workshops we can explore students attitude, aptitude and approach to solve the problems using technology from real life scenarios or anticipate problems early
3. Given current & future requirements for Chip design, Drone technology I would suggest to cover these point somewhere in the curriculum.
4. I offer to help in some entrepreneurship related courses and developing case studies.
5. For deep technology courses, we need to evaluate DSU Infra (e.g. for courses on Cloud or AR / VR what infra and machinery do we have) regularly and upgrade on need basis.

Thanks and Best Regards

Neerav

Neerav Joshipura

Founder Director

SoftN Enterprises

neerav@softnenterprise.com

www.softnenterprise.com

Ph. 998 000 5198 / 78925 86612

From: Dr.M Shahina Parveen <chairman-ct@dsu.edu.in>

Sent: 13 July 2022 16:41

To: Nagaraj Kulkarni <Nagaraj.Kulkarni@compegence.com>

Cc: neerav@softnenterprise.com; Neerav Joshipura <n_k_joshipura@hotmail.com>

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Dayananda Sagar
University

Chairman-CST <chairman-ct@dsu.edu.in>

Schedule for BoS meeting- CST, DSU in online mode

NC Sriraman <ncsriraman@gmail.com>

Thu, Jul 14, 2022 at 9:58 PM

To: "Dr.M Shahina Parveen" <chairman-ct@dsu.edu.in>

I have already sent the points that we discussed. You also have the Programme recorded. You can hear and take additional points if any

Thanks for inviting me and you and your staff are doing a great job.

Following are the points I discussed during the BOS meeting today

General

1. Proud and happy to see many new entrepreneurs are getting incubated through our CT department and congrats to the entire team for this achievement
2. The introduction of many electives for CT is also great and is relevant to the students

Specific inputs from my side

1. Compiler design which is part of the CS syllabus can be made as an elective and we can offer another industry-related course in that place. Dr Bhanga mentioned that the course is important for post-graduation etc. so it is up to CT to decide whether to make it optional and bring in a new elective in that place
2. 6th-semester subject: LEAN STARTUP METHODOLOGIES & CAREER SUCCESS STRATEGIES. Technically both are opposite subjects trying to club them under one subject is not fair. Try to look at splitting them
3. Similarly, IPR & ART OF RAISING CAPITAL are two divergent topics. please see if they can be split or combined with some other subject and introduce a new elective
4. As Prof Suggested Entrepreneurship should be available as an elective for all the streams at DSU and anyone from DSU can opt for entrepreneurship electives and learn the fundamentals and become an entrepreneur
5. We should start more Technology verticals like IIOT 4.0 for industry automation., Automotive electronics and programming. Telemedicine, which has great potential for employment in India
6. We should introduce more workshops and exercises for the students on a. market Research. B Product Definition and introduction. Though we have not discussed the following topic more workshops and elective courses can be introduced in the Research methodology, Market Research, Writing Technical papers etc.
7. There could be more interactions of BOS members with Students who need support for their entrepreneurship idea and product forming and product Management etc. DSU to study

Regards

SRiraman

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Schedule for BoS meeting- CST, DSU in online mode

Dr.M Shahina Parveen <chairman-ct@dsu.edu.in>

Sat, Jul 9, 2022 at 1:26 PM

To: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, "venkatesh.db" <venkatesh.db@jvtechnologies.co.in>, "Dr.Manjunath T N ISE" <manju.tn@bmsit.in>, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Dean Research <dean-research@dsu.edu.in>, Prof Aravind Srinivas <aravind.srinikoppa@dsu.edu.in>, Vinod S <svinod3@gmail.com>, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>
Cc: Registrar DSU <registrar@dsu.edu.in>

Dear Sir/Madam,

Greetings from Dayananda Sagar University.

The Department of Computer Science and Technology invites you to the BoS Meeting of 2021-22. It is planned to schedule on **Thursday, 14th July 2022**, as the Academic council meeting is scheduled on 18th of July 2022. The department wishes to conduct an online meeting through Zoom, based upon the convenience of all the members we can finalize. Please confirm your availability. Soon I will share the zoom link w.r.t confirmation on availability.

Agenda:

1. Discussion on BTech CST (2020-24 batch) 5th to 8th semester scheme and syllabus
2. Discussion on BTech CST (2021-25 batch) 3rd to 8th semester scheme and 3rd and 4th semester syllabus.
3. First round walk through on curriculum structure for 2022-26 batch based upon NEP 2020.

Thanking you

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with best Regards,

Dr. M SHAHINA PARVEEN

Professor & Chairperson - Computer Science & Technology

School of Engineering,

Dayananda Sagar University,

Innovation Campus, Kudlu Gate, Hosur Road,

Bangalore – 560 068, INDIA



Schedule for BoS meeting- CST, DSU in online mode

Dr.M Shahina Parveen <chairman-ct@dsu.edu.in>

Wed, Jul 13, 2022 at 2:50 PM

To: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, "venkatesh.db" <venkatesh.db@jvtechnologies.co.in>, "Dr.Manjunath T N ISE" <manju.tn@bmsit.in>, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Dean Research <dean-research@dsu.edu.in>, Prof Aravind Srinivas <aravind.srinikoppa@dsu.edu.in>, Vinod S <svinod3@gmail.com>, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>

Dear BOS Members,

Greetings from Dayananda Sagar University ,

The DSU Computer Science and Technology department is inviting you to a scheduled Zoom meeting.Request you to join.

Topic: BOS - CST

Time: Jul 14, 2022 10:30 AM India

Join Zoom Meeting

<https://zoom.us/j/9060841464>

Meeting ID: 906 084 1464

Join by Skype for Business

<https://zoom.us/skype/9060841464>

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Dayananda Sagar University

Live the dream

Dr. Puttamadappa C, ME, Ph.D

Registrar

NOTIFICATION

No. DSU / 2016-17/ BOS

Dated:21-10-2016

Sub: Constitution of Board of Studies in School of Engineering - Department of Computer Technology of Dayananda Sagar University, Bengaluru.

In supersession of the previous notification in this regard and in accordance with Sections 22 (vi), 28 and 32(i) of the Dayananda Sagar University Act 2012, the Vice Chancellor, has been pleased to constitute a Board of Studies in School of Engineering-Department of Computer Technology comprising of the following:

Board of Studies in School of Engineering - Department of Computer Technology

SN	Name	Affiliation & Contact details	Designation
1	Dr.C.B.Akki	Professor, Dept. of Computer Technology	Chairman
2	Mr. Aravind Sitaraman	Ex CISCO India Head, Bangalore	Member
3	Mr. N C Siraman	Co-Founder, MD, Metaporhic Networks Pvt Ltd.	Member
4	Dr. Satheesh K	Ex. IBM Professional , Bangalore	Member
5	Dr. Sudarshan	Scientist R&D ABB , Bangalore	Member
6	Prof. H. P. Kincha	Professor, Dept. of EE, IISC, Bangalore	Member
7	Dr. M. R. Sholapur	Director, MBA Dept. SIT Tumkur	Member
8	Prof. R. Janardhan,	Pro-VC, DSU, Bangalore	Member
9	Prof. Latha Krishna	Director, College of Management Studies, DSCE, Bangalore	Member
10	Dr. M K Banga	Professor and Chairman, Dept. of CSE, DSU	Member

The term of the Board shall be TWO years from the academic year 2016-17 or till re-constitution, whichever is earlier.

The Board shall follow the guidelines stipulated by the University, from time to time, in all academic issues to be decided by it.


Registrar
21/10/16

To,
Concerned

CC: The Chief Finance Officer, DSU
The Concerned Dean, DSU

CBA
21/11/16



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BANGALORE- 560114
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

CURRICULAR ASPECTS

9. Records on Syllabus Revision & Curriculum (all regulations in Hard Copy and BOS minutes of Academic Year (AY))

Academic Year: 2019-20

Programme Code	Programme name	Year of Introduction	Status of-implementation of CBCS / elective course system (Yes/No)	Year of implementation of-CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during last 5 years, Percentage of content added or replaced	Link to the relevant document
CST	B.Tech. Computer Science & Technology	2015			2019	100%	CST-2019-2023 & 2020-2024-Scheme&Syllabus

Sl. No	Academic Year	Availability of all the regulations for the programme (Hard or Soft Copy)	BOS Minutes	Quality improvements such as enhancements	Programme specific objectives/outcomes	Course objectives/ outcomes
1	20198-20	YES (Hard Copy)	Hard Copy	--	---	Available in Course Document



2020
BOS Members

Board of Studies - Computer Science and Technology Year-2020

Sl. No.	Name	Affiliation & contacts	Designation	Email
1	Dr. Jasma Balasangameshwara	Associate Professor & In-Charge Chairman Computer Science & Technology	Associate Professor & In-Charge Chairman, CST	chairman-ct@dsu.edu.in
2	Neerav Joshipuri	Information Excellence Group	Member	n_k_joshi@hot mail.com
3	Mr. Aravind Sitaraman	Ex CISCO India head, Bangalore	Member	aravind_sitaraman@yahoo.com
4	Mr. N C Siraman	Co-founder, MD, Metaphoric Networks Pvt. Ltd	Member	ncsriraman@gmail.com
5	Mr. Ishwar Sundararaman	Serial Entrepreneur, IIMB Aluminus	Member	ishwar@unsolved.xyz
6	Venkatesh D B	Cofounder & CEO, J V Technologies	Member	venkatesh.db@jvtechnologies.co.in
7	Dr. Manjunath T.N	Professor & Dean (External Relations), BMSIT	Member	manju.tn@bmsit.in
8	Mr. Nagaraj Kulkarni	Director, Compegence	Member	nagaraj.kulkarni@compegence.com
9	Prof. H P Kincha	Professor, Dept. of EE, IISc, Bangalore	Member	hpk1598@gmail.com
10	Prof. R Janardhan	Pro-VC, DSU, Bangalore	Member	janardhan.dsi@gmail.com
11	Prof. Srinivas	Dean, SOE, DSU	Special Invitee	dean-engg@dsu.edu.in
12	Dr. M K Banga	Professor of Dept. of CSE & Dean-Research, DSU	Member	mkbanga-cse@dsu.edu.in
13	Dr. Sanjay Chitnis	Professor & Chairman, Dept. of CSE	Member	chairman-cse@dsu.edu.in



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

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

CURRICULAR ASPECTS

9. Records on Syllabus Revision & Curriculum (all regulations in Hard Copy and BOS minutes of Academic Year (AY))

Academic Year: 2015-16 Scheme (30:70)

Program me Code	Programme name	Year of Introdution	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of-CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during last 5 years, Percentage of content added or replaced	Link to the relevant document
	B.Tech. Entrepreneurship and Innovation	2015			---	--	CT-2016_Scheme&Syllabus

Sl. No	Academic Year	Availability of all the regulations for the programme (Hard or Soft Copy)	BOS Minutes	Quality improvements such as enhancements	Programme specific objectives/outcomes	Course objectives/ outcomes
1	2015	YES (Hard Copy)	Hard Copy	--	---	Available in Course Document





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

DSU/SOE/F-57

Board of Studies for AY – 2016-17

Sl.No.	Description	Designation
1	Chairperson	Dr.C.B.Akki, Professor, Dept. of Computer Technology, DSU
2	Industry Representation	1. Mr. Aravind Sitaraman, Ex CISCO India Head, Bangalore 2. Mr. N C Siraman, Co-Founder, MD, Metaporphic Networks Pvt Ltd. 3. Dr. Satheesh K Ex. IBM Professional
3	Academic Representation	1. Prof. H. P. Kincha, Professor, Dept. of EE, IISC, Bangalore 2. Dr. Sudarshan Scientist R&D ABB 3. Dr. M. R. Sholapur, Director, MBA Dept. SIT Tumkur 1. Prof. R. Janardhan, Pro-VC, DSU, Bangalore 2. Prof. Latha Krishna, Director, College of Management Studies, DSCE, Bangalore 3. Dr. M K Banga, Professor and Chairman, Dept. of CSE, DSU

(Signature)
9/11



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

MINUTES OF THE MEETING:

Subject: Board of Studies- Bachelor of Technology (Computer Technology-CT),

Venue: Dayananda Sagar University, University office, Board Room, 6th Floor, Dental Block, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore – 560 078, INDIA

Date: Tuesday, 08/11/2016

Meeting Agenda:

1. Approval of V and VI semester B.Tech, Computer Technology (CT) Syllabus.
2. Status update of the current batches.
3. Consideration for distribution of marks (50-50) for internal and final examination for AY 2017-18.

List of BOS (CT):

Sl.No.	Description	Designation	Contact Details
1	Chairperson	Dr.C.B.Akki, Professor, Dept. of Computer Technology, DSU	akki.channappa-ct@dsu.edu.in 8197277253
2	Industry Representation	1. Mr. Aravind Sitaraman, Ex CISCO India Head, Bangalore 2. Mr. N C Sriraman, Co-Founder, MD, Metaporhic Networks Pvt Ltd. 3. Dr. Satheesh K Ex. IBM Professional	aravind_sitaraman@yahoo.com ncsriraman@gmail.com 9972300980 sateeshks@gmail.com 9845079101
3	Academic Representation	1. Prof. H. P. Kincha, Professor, Dept. of EE, IISc, Bangalore 2. Dr. Sudarshan Scientist R&D ABB 3. Dr. M. R. Sholapur, Director, MBA Dept. SIT Tumkur	hpk@ee.iisc.ernet.in 9845010476 sdsudarsan@gmail.com 9972098457 shollapur_mr@yahoo.com 0816 221 4001 / 9611102660
		1. Prof. R. Janardhan, Pro-VC, DSU, Bangalore	Janardhan.dsi@gmail.com 9844074091



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

		2. Prof. Latha Krishna, Director, College of Management Studies, DSCE, Bangalore	drlathakrishnan@gmail.com 9448602595/08042161764
		3. Dr. M K Banga, Professor and Chairman, Dept. of CSE, DSU	mkbanga-cse@dsu.edu.in 9845448506

Special Invitee: Dr. A.N.N.Murthy, Hon'ble Vice Chancellor, DSU.

Handwritten signature and date
8/11



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

DSU/SOE/F-57

Board of Studies for AY – 2016-17

Sl.No.	Description	Designation
1	Chairperson	Dr.C.B.Akki, Professor, Dept. of Computer Technology, DSU
2	Industry Representation	1. Mr. Aravind Sitaraman, Ex CISCO India Head, Bangalore 2. Mr. N C Siraman, Co-Founder, MD, Metaporphic Networks Pvt Ltd. 3. Dr. Satheesh K Ex. IBM Professional
3	Academic Representation	1. Prof. H. P. Kincha, Professor, Dept. of EE, IISC, Bangalore 2. Dr. Sudarshan Scientist R&D ABB 3. Dr. M. R. Sholapur, Director, MBA Dept. SIT Tumkur
		1. Prof. R. Janardhan, Pro-VC, DSU, Bangalore 2. Prof. Latha Krishna, Director, College of Management Studies, DSCE, Bangalore 3. Dr. M K Banga, Professor and Chairman, Dept. of CSE, DSU

B. Akki
9/11



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

MINUTES OF THE MEETING:

Subject: Board of Studies- Bachelor of Technology (Computer Technology-CT),

Venue: Dayananda Sagar University, University office, Board Room, 6th Floor, Dental Block, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore – 560 078, INDIA

Date: Tuesday, 08/11/2016

Meeting Agenda:

1. Approval of V and VI semester B.Tech, Computer Technology (CT) Syllabus.
2. Status update of the current batches.
3. Consideration for distribution of marks (50-50) for internal and final examination for AY 2017-18.

List of BOS (CT):

Sl.No.	Description	Designation	Contact Details
1	Chairperson	Dr.C.B.Akki, Professor, Dept. of Computer Technology, DSU	akki.channappa-ct@dsu.edu.in 8197277253
2	Industry Representation	1. Mr. Aravind Sitaraman, Ex CISCO India Head, Bangalore 2. Mr. N C Sriraman, Co-Founder, MD, Metaporphic Networks Pvt Ltd. 3. Dr. Satheesh K Ex. IBM Professional	aravind_sitaraman@yahoo.com ncsriraman@gmail.com 9972300980 sateeshks@gmail.com 9845079101
3	Academic Representation	1. Prof. H. P. Kincha, Professor, Dept. of EE, IISc, Bangalore 2. Dr. Sudarshan Scientist R&D ABB 3. Dr. M. R. Sholapur, Director, MBA Dept. SIT Tumkur 1. Prof. R. Janardhan, Pro-VC, DSU, Bangalore	hpk@ee.iisc.ernet.in 9845010476 sdsudarsan@gmail.com 9972098457 shollapur_mr@yahoo.com 0816 221 4001 / 9611102660 Janardhan.dsi@gmail.com 9844074091



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

		2. Prof. Latha Krishna, Director, College of Management Studies, DSCE, Bangalore	drlathakrishnan@gmail.com 9448602595/08042161764
		3. Dr. M K Banga, Professor and Chairman, Dept. of CSE, DSU	mkbanga-cse@dsu.edu.in 9845448506

Special Invitee: Dr. A.N.N.Murthy, Hon'ble Vice Chancellor, DSU.

B. J. K.
8/11



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

1. Chairman, Dept. of CT, School of engineering welcomed the members and highlighted the objectives, the programs being offered and road map of the department.
2. The chairman deliberated the following:
 - I. Approval of V and VI semester B.Tech, Computer Technology syllabus.
 - II. Status update of the current batches.
 - III. In pursuance of the 50-50 evaluation system.
3. For the approval of V and VI semester B.Tech, Computer Technology syllabus, BOS suggested the following:

As applied to 5th semester

- I. The common subjects among CSE and CT departments need to have same course code (OS, DBMS, OS lab etc.). In case if syllabus is different, use different course codes.
- II. Total credits (150 for III to VIII semesters) have been distributed for CS courses and Entrepreneurship courses. Out of 150, 108 for CS courses and 49 for Entrepreneurship courses.
- III. Recommended to use software tools for preparing business plans.
- IV. Recommended to include introduction about Map reduce and Big data in Module-1 DBMS subject.
- V. Recommended to include case studies in each module in Professional and Business Ethics subject. In Module 3, topics like SEBI corporation, Role of government, simulations to be included. In Module 5 topic on team dynamics to be included. Book entitled "Ethics and Excuses: The Crisis in Professional Responsibility" by Banks McDowell may be included as reference.
- VI. Suggested to define the electives as Elective-1 and Elective-2 instead of Technology Electives and Entrepreneurial Electives. Students can have freedom to choose both the electives from Entrepreneurial Electives or both from Technology Electives or either of the two electives.
- VII. Recommended to use online courses for electives. Internal committee needs to be formed to approve/reject the online courses to be offered inline with UGC norms.



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

Equivalence of the grading of the course need to be verified. Flexibility in addition and deletion of the electives is to be provided.

- VIII. Electives from the technology streams need to be approved by faculty member and electives from entrepreneurial stream need to be approved by the mentor.
- IX. "Supply chain management and operations" (15CT336- entrepreneurship elective) needs to be replaced by "Logistics and supply chain management". The entire syllabus has to be revamped (Basic marketing, customer satisfaction, distribution to be included).
- X. Recommended to revamp the "Organizational Design & HR Management" subject. Rephrase the title as "HR Management".

As applied to 6th semester

- I. Agile Methodology is to be introduced in the Module 1 of Software Engg and Project Management. Better to change the Title to Software management. Estimation of Project size, effort, delivery etc to be included in Module 4.
- II. Natural Language Processing (NLP) topic is to be included in module 3 of Automata, Languages & Applications.
- III. User Interface (UI) design is to be introduced in Module 5 of web programming subject; Lecture-Tutorial-Practical (LTP) pattern is to change from 3-0-0 to 2-0-2.
- IV. Suggested to include current techniques available in market in the associated subjects. For example in the subject "Telecommunications and networks", latest trends need to be shared with students by way of guest lectures etc.
- V. Recommended to include global case studies (Not only Indian) in each module in Consumer Behavior (Entrepreneurship Elective-II) subject.
- VI. "Online Marketing & Sales" (15CT343- entrepreneurship elective) needs to be replaced by "Digital Marketing". The entire syllabus has to be revamped (CSR, online B-B, B-C, online advertising, social media campaign to be included)
- VII. As a prerequisite for Financing subject which is a part of 7th semester, a bridge course on fundamentals of financing is required.



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DEPARTMENT OF COMPUTER TECHNOLOGY

- VIII. Recommended to include latest topics as technology electives.
- IX. Recommended to have capstone Projects on entrepreneurship electives.
- X. Suggested to have statistics and probability theory as one of the electives.

Handwritten signature and date
8/11



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

Date and Time: 8/11/2016 @ 9.30 AM

Members Present:

Sl. No.	Name
1.	Prof. H. P. Kincha
2.	Dr. Satheesh K
3.	Dr. M. R. Sholapur
4.	Prof. Latha Krishna
5.	Dr.C.B.Akki
6.	Prof. Pramod T.C

Special Invitee: Dr. A.N.N.Murthy, Hon'ble Vice Chancellor, DSU.

Chairman,
Department of Computer Technology,
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
BENGALURU - 560 068.



Dayananda Sagar University

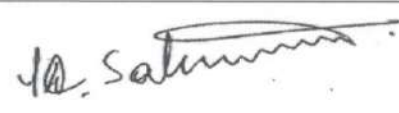
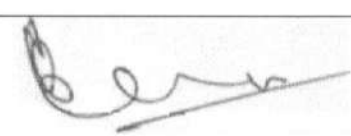
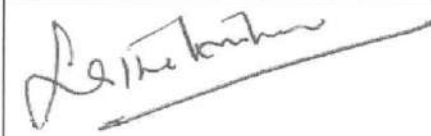

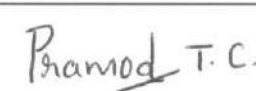
School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Department of Computer Technology

Date and Time: 8/11/2016 @ 9.30 AM

Members Present:

Sl. No.	Name	Signature
1.	Prof. H. P. Kincha	
2.	Dr. Sateesh K	
3.	Dr. M. R. Sholapur	
4.	Prof. Latha Krishna	
5.	Dr.C.B.Akki	
6.	Prof. Pramod T.C	

Special Invitee: Dr. A.N.N.Murthy, Hon'ble Vice Chancellor, DSU.


8/11





DEPARTMENT OF COMPUTER TECHNOLOGY
DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, BENGALURU-560068

Date: 8/3/2017 10.00 am

Broad of Studies Meeting

Members Present

Sl. No.	Name	Signature
1.	Prof. H. P. Kincha	
2.	Mr. Aravindan Sitaram	
3.	Dr. Satheesh K	
4.	NC Sriraman	
5.	Dr. M. R. Sholapur	
6.	Dr. S D Sudarsan	
7.	Prof. Latha Krishna	
8.	Prof. Janardhan	
9.	Dr. A Srinivas	
10.	Dr. M K Banga	
11.	Dr.C.B.Akki	
12.	Prof. Pramod T.C	



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

MINUTES OF THE MEETING

Subject: Board of Studies- Bachelor of Technology (Computer Technology-CT)

Venue: Dayananda Sagar University, University office, Board Room, 6th Floor, Dental Block, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore – 560 078, INDIA

Date: Wednesday, 08/3/2017

Meeting Agenda:

1. Briefing of the academic activities
2. Confirmation of the minutes of previous BoS meeting held on 8th Nov. 2016.
3. Report of the actions taken on the decisions arrived at during previous meeting (8/11/16)
4. Consideration of introduction of gracing in academic programmes of DSU

Members Present

Sl. No.	Name
1.	Prof. H. P. Kincha
2.	Dr. Satheesh K
3.	NC Sriraman
4.	Dr. M. R. Sholapur
5.	Dr. S D Sudarsan
6.	Dr. A Srinivas
7.	Dr. M K Banga
8.	Dr.C.B.Akki
9.	Prof. Pramod T.C

Special Invitee: Dr. A.N.N.Murthy, Hon'ble Vice Chancellor, DSU.



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

1. Chairman, Dept. of CT, School of engineering welcomed the members.
2. Following points were discussed in the meeting:

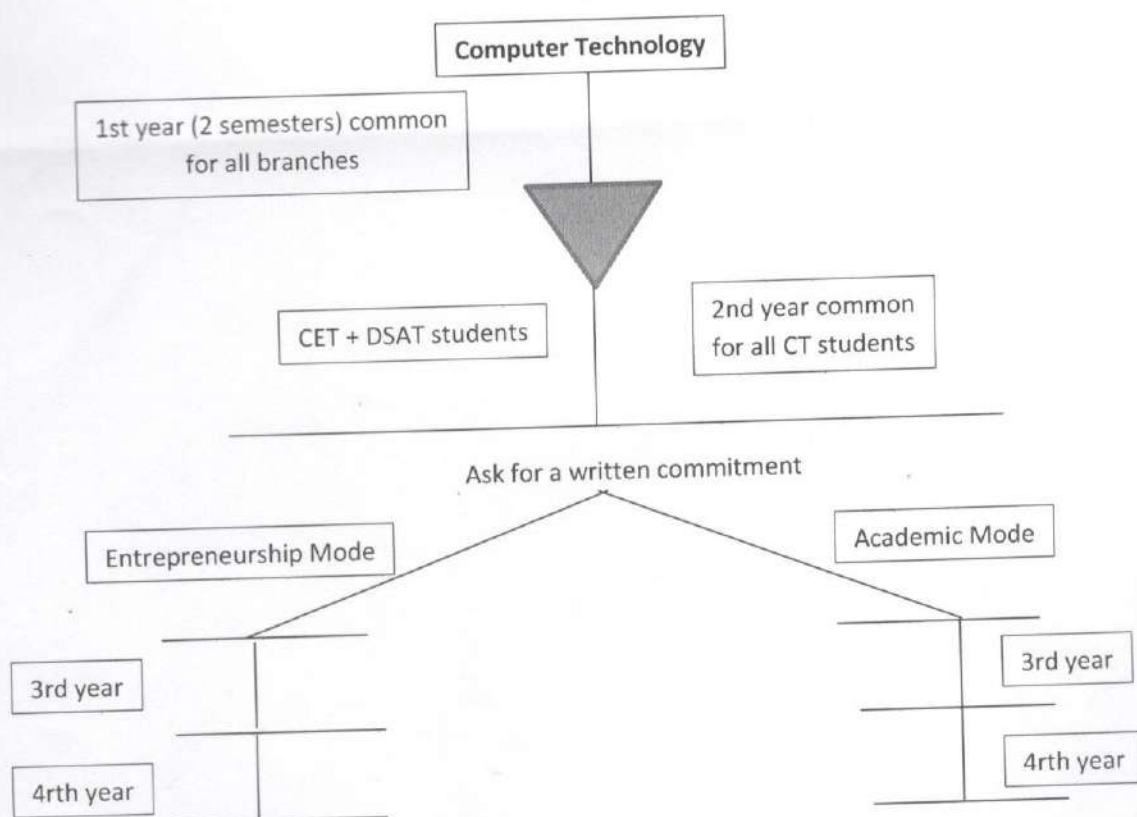
2.1 Briefing of academic activities

2.1.1 Evaluation process (impact of extra activities like expert-talk, training, workshop) needs to be identified. Chairman is responsible to prepare the draft version, share with members and then implement the same during subsequent activities.

2.1.2 Study of MOU between DSU and DERBI Foundation.

2.1.3 Suggested to connect CT students with DERBI incubatees

2.2 The following model was thoroughly discussed for having more clarity on CT





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School of Engineering

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DEPARTMENT OF COMPUTER TECHNOLOGY

2.2.1 Differences between Entrepreneurship Mode and Academic Mode during 3rd and 4th year:

Entrepreneurship Mode	Academic Mode
<ul style="list-style-type: none">• Relaxation in self study• Elective subjects – according to their interest• Mini project- based on the company activities.• Honors shall be mentioned in the certificates	<ul style="list-style-type: none">• Self-Study is must• Elective subjects- Restricted• Mini project – based on the subject topics (any)• No honors

2.2.2 Check for the UGC regulations for awarding Honors.

2.2.3 In case a candidate fails to start the company, no honors/credit shall be given and the student is awarded as per the academic mode regulations.

2.2.4 After second year, when student is making a decision to take the entrepreneurship mode, a team of mentors have to interview them and decide.

2.2.5 Needs to have clarity on fee structure of CET and DSAT students.

2.3 As applied to the syllabus of 5th and 6th semesters

2.3.1 Make comparative study of common subjects between CS and CT and then decide to have the same syllabus or different. If they are different, use different course codes and titles.

Comparative study of common subjects was made and shared with all the members. BoS decided to have the same syllabus as that of CS and hence the same course codes. As per this, the course codes are modified as below:



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

Course Name	Course Code for CSE	Old Course Code for CT	New course Code for CT
Operating System (5 th Semester)	15CS303	15CT302	15CS303
DBMS (5 th Semester)	15CS302	15CT303	15CS302
Computer Networks (6 th Semester)	15CS308	15CT307	15CS308

The syllabus of all these courses for CT have been updated accordingly:

File_Name: "syllabus-5 and 6 sem-BoS-Approved-8-3-17"

- 2.3.2 Elaborate the execution of self-study component.
- 2.3.3 Candidates who select online courses has elective must clear the online exams only and a mechanism to convert the grades need to be identified. If there is no evaluation process for the online course, the course should not be approved.

2.4 Grace Marks and Text book

- 2.4.1. Introducing grace marks in final exam needs few more inputs from other BoS before implementing.
- 2.4.2. BOS of Computer Technology had some reservation on the idea of having single custom made book (for each course) for the students of the university, as students need to refer many books and only syllabus to be prescribed by DSU. VC will take other BOS group opinions also and take a decision on whether to go ahead with the custom book for each subjects for all semesters.

- 2.5 After the Clarity on the fees, a meeting of 2nd year students, adjunct professors and BoS members is to be organized to elicit the product ideas.



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DEPARTMENT OF COMPUTER TECHNOLOGY

2.5.1 Formal presentation to the students how the business and company will work, what DSU will do, What support they can expect from Adjunct professors and share holding pattern there off.

2.5.2 Informal Meeting with the students to elicit the product idea and solution. Short list the products which are feasible and form the companies

*****END*****

Suggestion Given	Action Taken
1 Evaluation process (Impact of extra activities like expert-talk, training, workshop) needs to be identified.	Implemented
2 Suggested to connect CT students with DERBI incubatees	Students have done internship in DERBI

Suggestion Given	Action Taken
1. Check for the UGC regulations for awarding Honors.	Number of Core papers for all Universities has to be same for both UG Honors as well as UG Program.
2. After second year, when student is making a decision to take the entrepreneurship mode, a team of mentors have to interview them and decide.	Mentor are identified

2.2 As applied to the syllabus of 5th and 6th semesters

Suggestion Given	Action Taken
1 Make comparative study of common subjects between CS and CT and then decide to have the same syllabus or different. If they are different, use different course codes and titles.	Implemented the Course Code, Course code has been changed
2 Comparative study of common subjects was made and shared with all the members. BoS decided to have the same syllabus as that of CS and hence the same course codes. As per this, the course codes are modified as below:	The syllabus of all these courses for CT have been updated accordingly: File_Name: "syllabus-5 and 6 sem-BoS-Approved-8-3-17"

Suggestion Given	Action Taken
3 Elaborate the execution of self-study component.	Attached
4 Candidates who select online courses as elective must clear the online exams only and a mechanism to convert the grades need to be identified. If there is no evaluation process for the online course, the course should not be approved.	Implemented from 2019-20 Scheme

2.3 Grace Marks and Text book

No grace marks given

Suggestion Given	Action Taken
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<p>1. BOS of Computer Technology had some reservation on the idea of having single custom made book (for each course) for the students of the university, as students need to refer many books and only syllabus to be prescribed by DSU. VC will take other BOS group opinions also and take a decision on whether to go ahead with the custom book for each subjects for all semesters.</p>	<p>Single custom made book to be prepared</p>
---	---

<p>Suggestion Given</p>	<p>Action Taken</p>
<p>1 The business plan and details of the entrepreneurship life cycle journey to be provided</p>	<p>This is accomplished as a part of Entrepreneurship Management and Innovation & Entrepreneurship Management courses</p>
<p>2 Informal Meeting with the students to elicit the product idea and solution. Short list the products which are feasible and form the companies</p>	<p>Ideation sessions are conducted</p>



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

MINUTES OF THE MEETING

Subject: Board of Studies- Bachelor of Technology (Computer Technology-CT)

Venue: Dayananda Sagar University, University office, Board Room, 6th Floor, Dental Block, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore – 560 078, INDIA

Date: Thursday, 01/02/2018

Meeting Agenda:

1. Odd Semesters results and student interactions
2. Discussion on the scheme and presentation of the draft syllabi of 7th and 8th Semesters
3. Deliberations on the Scheme of Study & evaluation of B.Tech CT Program from AY 2019-20
 - a) Broad sketch of the Scheme
 - b) Introduction of 50:50 Evaluation Scheme
4. Discussion on 'Entrepreneurship culture'
5. Any other academic matter

Members Present

Sl. No.	Name
1.	Dr. A.N.N.Murthy
2.	Prof. H. P. Kincha
3.	Dr. M. R. Sholapur
4.	Dr. A Srinivas
5.	Prof. Desikan
6.	Mr.Venkat A
7.	Dr. M K Banga
8.	Dr.T.K.Sateesh
9.	Dr. Pramod T.C

Special Invitee: Mr.Venkat A.





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

Proceedings

1. Chairman, Dept. of CT, School of engineering welcomed the members.
2. Following points were discussed:
 - 2.1 Briefing of academic activities
 - CT program admission details
 - Result analysis
 - Presented the 50:50 Evaluation Scheme applicable from AY 2019-20 onwards
 - Presented the detailed syllabus of 7th and 8th Semesters. The current suggested syllabus of 7th and 8th Sem (core and elective courses) have been improved keeping with the current trends of technology and market. The changes are:
 - Computer Graphics & Applications has been changed to 'Cloud Computing & Applications'. The corresponding Lab component is also changed.
 - Entrepreneurial Marketing has been changed to 'Product and Brand Management', as Digital Marketing is offered in 6th Semester.





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

SEMESTER - VII

SL. NO.	COURSE CODE	COURSE CODE		SCHEME OF TEACHING					SCHEME OF EVALUATION			
				L	T	P	S/P	C	CIA	END EXAM		
1	15CT401	CLOUD COMPUTING & APPLICATIONS	CR	03	02	--	-	04	30	70		
2	15CT402	PRODUCT AND BRAND MANAGEMENT	CR	03	--	--		03	30	70		
3	15CSXXX	MACHINE LEARNING	CR	03	--	--	02	04	30	70		
4	15CT4XX	TECHNOLOGY ELECTIVE-III	CR	03	--	--	--	03	30	70		
5	15CT4XX	ENTREPRENEURSHIP ELECTIVE-III	CR	03	--	--		03	30	70		
6	15HU4XX	LAW FOR ENGINEERS	CR	03	--	--		03	30	70		
7	15CT471	CLOUD COMPUTING & APPLICATIONS LAB	CR	--	--	04		02	30	70		
8	15CT481	MINI PROJECT	CR	--	--	--	06	03	50	50		
GRAND TOTAL				800		18	02	04	08	25	260	540

TECHNOLOGY ELECTIVE-III	
COURSE CODE	COURSE TITLE
15CT422	CYBER SECURITY
15CT423	DATA WAREHOUSING AND DATA MINING
15CSXXX	SOFT COMPUTING
15CSXXX	DATA SCIENCE

ENTREPRENEURSHIP ELECTIVE-III	
COURSE CODE	COURSE TITLE
15CT445	MANAGEMENT INFORMATION SYSTEM
15CT446	TEAM DEVELOPMENT & LEADERSHIP
15CT447	PROJECT ANALYSIS & MANAGEMENT
15CT448	CONSUMER BEHAVIOR



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 Department Of Computer Technology

SEMESTER - VIII

SL. NO.	COURSE CODE	COURSE CODE	AU/CR	SCHEME OF TEACHING					SCHEME OF EVALUATION	
				L	T	P	S/P	C	CIA	END EXAM
1	15CT4XX	ENTREPRENEURSHIP ELECTIVE-IV	CR	03	--	--	--	03	30	70
2	15IE4XX	INSTITUTIONAL ELECTIVE -II	CR	03	--	--	--	03	30	70
3	15CT482	SEMINAR	CR	--	--	--	02	01		50
4	15CT483	PROJECT	CR	--	--	--	20	10	100	100
GRAND TOTAL 450				06	--	--	22	17	160	290

ENTREPRENEURSHIP ELECTIVE-IV	
COURSE CODE	COURSE TITLE
15CT4XX	STRATEGIC MANAGEMENT
15CT4XX	ADVANCED ORGANIZATIONAL BEHAVIOR
15CT4XX	MARKETING AT THE BOTTOM OF THE PYRAMID
15CT4XX	BLUE OCEAN STRATEGY

INSTITUTIONAL ELECTIVE-II	
COURSE CODE	COURSE TITLE
15CTXXX	ENTREPRENEURSHIP MANAGEMENT
15CTXXX	INNOVATION AND ENTREPRENEURSHIP
15CTXXX	LOGISTICS AND SUPPLY CHAIN MANAGEMENT
15CTXXX	DIGITAL MARKETING

- 2.2 Details of 'process of developing entrepreneurs' was discussed
- Development of conceptualization of the process of 'Developing entrepreneurs' consisting of 4 phases was discussed.
 - The following activities employed in developing entrepreneurship capabilities were discussed:
 - Problem Based Learning
 - Role Playing
 - Group techniques to create new ideas
 - Business plan overview



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School of Engineering
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Department Of Computer Technology

- Strengthening of above concepts by means of following activities was also discussed:
 - Meeting with Entrepreneurs
 - Case Studies with discussions
 - Study of 'Live' entrepreneurial cases
 - Guest Speakers
- Further activities with the help of coach, subject experts and mentors was discussed

3. Observations and recommendations from the members of BoS

- 3.1 Members sought few days of time to go through the syllabi of 7th and 8th Semesters and revert with their feedback
- 3.2 Members appreciated the efforts taken by CT department to develop entrepreneurship culture in the last 6 months
- 3.3 Members suggested to frame different evaluation scheme for 'entrepreneurial projects' and 'academic projects'
- 3.4 Members also suggested to bring out a policy of encouraging and evaluating the various courses that are available online in MOOC, NPTEL, COURSERA, edX etc., which can be elective courses that can be offered to students who want to pursue 'entrepreneurial journey'.
- 3.5 It was also suggested that the 'core courses' from 5th Semester and onwards can be termed as 'soft-core' and an option be provided to choose different courses for those students who are pursuing 'entrepreneurial journey'.



Dayananda Sagar University
School of Engineering
Hosur Main Road, Kudlu Gate, Bengaluru-560068
DEPARTMENT OF COMPUTER TECHNOLOGY

Board of Studies Meeting

Date and Time: 01/02/2018 @ 3.30 PM

Members Present

Sl. No.	Name	Signature
1.	Dr. A.N.N.Murthy	
2.	Prof. Janardhan	
3.	Prof. H. P. Kincha	
4.	Dr. A. Srinivas	
5.	Mr.Aravindan Sitaram	
6.	Dr. Satheesh K	
7.	Dr. M. R. Sholapur	
8.	Mr.Venkat A	
9.	Mr. NC Sriraman	
10.	Dr. S D Sudarsan	
11.	Dr. Desikan	
12.	Dr. M K Banga	
13.	Dr.T.K.Sateesh	
14.	Dr. Pramod T.C	

Suggestion Given	Action Taken
Development of conceptualization of the process of 'Developing entrepreneurs' consisting of 4 phases was discussed.	Completed
• The following activities employed in developing	
○ Problem Based Learning	Completed
○ Role Playing	Completed
○ Group techniques to create new ideas	Completed
○ Business plan overview	Completed
• Strengthening of above concepts by means of following	
○ Meeting with Entrepreneurs	Completed
○ Case Studies with discussions	Completed
○ Study of 'Live' entrepreneurial cases	Completed
○ Guest Speakers	Completed
• Further activities with the help of coach, subject experts and	To be conducted

1. Observations and recommendations from the members of BoS

Suggestion Given	Action Taken
1.1 Members sought few days of time to go through the syllabi of 7 th and 8 th Semesters and revert with their feedback	Conducted
1.2 Members appreciated the efforts taken by CT department to develop entrepreneurship culture in the last 6 months	Conducted
1.3 Members suggested to frame different evaluation scheme for 'entrepreneurial projects' and 'academic projects'	Completed
1.4 Members also suggested to bring out a policy of encouraging and evaluating the various courses that are available online in MOOC, NPTEL, COURSERA, edX etc., which can be elective courses that can be offered to students who want to pursue 'entrepreneurial journey'.	Implemented in new scheme



Dayananda Sagar University
School of Engineering
Hosur Main Road, Kudlu Gate, Bengaluru-560068
DEPARTMENT OF COMPUTER TECHNOLOGY

Board of Studies Meeting

Date and Time: 27/02/2019 @ 11.00 AM

Members Present

Sl. No.	Name	Signature
1.	Dr. A.N.N.Murthy /	
2.	Prof. Janardhan /	
3.	Prof. H. P. Kincha /	<i>H.P. Kincha</i>
4.	Prof. Puttamadappa /	
5.	Dr. A. Srinivas /	
6.	Mr. Aravindan Sitaram /	
7.	Dr. Satheesh K S <i>Satheesh K S</i>	<i>Satheesh K S</i>
8.	Dr. M. R. Sholapur /	
9.	Prof. Capt. Rao /	<i>Prof. Capt. Rao</i>
10.	Mr. NC Sriraman /	<i>NC Sriraman</i>
11.	Dr. S D Sudarsan /	
12.	Mr. Shankar H.N	<i>Shankar H.N</i> 27/2
13.	Mr. Anurag Jalan /	<i>Anurag Jalan</i>
14.	Dr. Balaji /	<i>Balaji</i>
15.	Dr. M K Banga /	<i>M K Banga</i> 27/02/19
16.	Dr. T.K. Sateesh /	<i>T.K. Sateesh</i>





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

MINUTES OF THE MEETING

Subject: Board of Studies- Bachelor of Technology (Computer Technology-CT)

Venue: Dayananda Sagar University, SOE, Bangalore – 560 068.

Date: 27/02/2019

Meeting Agenda:

1. Scheme of B Tech Program provided by the University as a Guideline
2. Draft Scheme of B Tech CT for discussions and approval by the BOS
3. Result Analysis of Odd Semesters
4. Departmental Activities - Highlights

Members Present

Sl. No.	Name
1.	Prof. H. P. Kincha
2.	Dr. A Srinivas
3.	Dr. Satheesh K
4.	Prof. Capt. Rao
5.	Mr. NC Sriraman
6.	Dr. M K Banga
7.	Dr.T.K.Sateesh
8.	Dr. Pramod T.C

Special Invitee:

1.	Mr. Shankar H.N
2.	Mr. Anurag Jalan
3.	Dr. Balaji



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

Proceedings

1. Chairman, Dept. of CT, School of engineering welcomed the members.
2. Prof. Banga informed that Dept of CT shall be renamed as Dept. of CST (Computer Science and Technology)
3. Following are the recommendations from BOS Members:
 1. Courses offered by the 'Wharton Business School' can also be offered as value added course or as a part of 'regular course'
 2. Number of credits given to entrepreneurship project can be increased from 1 credit to 2 credits.
 3. Identified electives can be enriched with entrepreneurial courses also. All electives can be provided as a list of courses to enable students to take any course. However, faculty can advise students in the selection of courses.
 4. Include MOOC courses as a part of the elective. The 'faculty advisory committee' can evaluate the suitability of the MOOC course.
 5. The computing courses in the department of CST need a different treatment focusing more on the application rather than on the theoretical aspects which is emphasized in the department of CSE.
 6. Skills focused in the 'Entrepreneurial Lab' can also include skills identified by agencies like World Economic Forum, required for year 2020 onwards.
 7. Students can have the option of selecting an entrepreneurial course or a technical course as an elective (Professional Elective / Institutional Elective).
 8. Circulate the objectives of BOS (roles and responsibilities) to make the meeting more focused.





Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

DEPARTMENT OF COMPUTER TECHNOLOGY

MINUTES OF THE MEETING

Subject: Board of Studies- Bachelor of Technology (Computer Technology-CT)

Venue: Dayananda Sagar University, SOE, Bangalore – 560 068.

Date: 27/02/2019

Meeting Agenda:

1. Scheme of B Tech Program provided by the University as a Guideline
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4. Departmental Activities - Highlights

Members Present

Sl. No.	Name
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2.	Dr. A Srinivas
3.	Dr. Satheesh K
4.	Prof. Capt. Rao
5.	Mr. NC Sriraman
6.	Dr. M K Banga
7.	Dr.T.K..Sateesh
8.	Dr. Pramod T.C
9	Mr.Shankar H.N
10	Mr.Anurag Jalan
11	Dr.Balaji

Proceedings

1. Chairman, Dept. of CT, School of engineering welcomed the members.
2. Prof. Banga informed that Dept of CT shall be renamed as Dept. of CST (Computer Science and Technology)
3. Following are the recommendations from BOS Members:

Suggestion Given	Action Taken
1. Courses offered by the 'Wharton Business School' can also be offered as value added course or as a part of 'regular course'	Under Study
2. Number of credits given to entrepreneurship project can be increased from 1 credit to 2 credits.	Taken care of
3. Identified electives can be enriched with entrepreneurial courses also. All electives can be provided as a list of courses to enable students to take any course. However, faculty can advise students in the selection of courses.	Taken care of
4. Include MOOC courses as a part of the elective. The 'faculty advisory committee' can evaluate the suitability of the MOOC course.	Done
5. The computing courses in the department of CST need a different treatment focusing more on the application rather than on the theoretical aspects which is emphasized in the department of CSE.	Number of faculty requirement in the Dept of CST is provided
6. Skills focused in the 'Entrepreneurial Lab' can also include skills identified by agencies like World Economic Forum, required for year the 2020 onwards.	Taken care of
7. Students can have the option of selecting an entrepreneurial course or a technical course as an elective (Professional Elective / Institutional Elective).	Taken care of
8. Circulate the objectives of BOS (roles and responsibilities) to make the meeting more focused.	To be Done



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, HOSUR MAIN ROAD, BANGALORE- 560114
DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

CURRICULAR ASPECTS

9. Records on Syllabus Revision & Curriculum (all regulations in Hard Copy and BOS minutes of Academic Year (AY))

Academic Year: 2019-20

Programme Code	Programme name	Year of Introduction	Status of-implementation of CBCS / elective course system (Yes/No)	Year of implementation of-CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during last 5 years, Percentage of content added or replaced	Link to the relevant document
CST	B.Tech. Computer Science & Technology	2015			2019	100%	CST-2019-2023 & 2020-2024-Scheme&Syllabus

Sl. No	Academic Year	Availability of all the regulations for the programme (Hard or Soft Copy)	BOS Minutes	Quality improvements such as enhancements	Programme specific objectives/outcomes	Course objectives/ outcomes
1	2019-20	YES (Hard Copy)	Hard Copy	--	---	Available in Course Document



2020
BOS Members

Board of Studies - Computer Science and Technology Year-2020

Sl. No.	Name	Affiliation & contacts	Designation	Email
1	Dr. Jasma Balasangameshwara	Associate Professor & In-Charge Chairman Computer Science & Technology	Associate Professor & In-Charge Chairman, CST	chairman-ct@dsu.edu.in
2	Neerav Joshipuri	Information Excellence Group	Member	n_k_joshi@hot mail.com
3	Mr. Aravind Sitaraman	Ex CISCO India head, Bangalore	Member	aravind_sitaraman@yahoo.com
4	Mr. N C Siraman	Co-founder, MD, Metaphoric Networks Pvt. Ltd	Member	ncsriraman@gmail.com
5	Mr. Ishwar Sundararaman	Serial Entrepreneur, IIMB Aluminus	Member	ishwar@unsolved.xyz
6	Venkatesh D B	Cofounder & CEO, J V Technologies	Member	venkatesh.db@jvtechnologies.co.in
7	Dr. Manjunath T.N	Professor & Dean (External Relations), BMSIT	Member	manju.tn@bmsit.in
8	Mr. Nagaraj Kulkarni	Director, Compegence	Member	nagaraj.kulkarni@compegence.com
9	Prof. H P Kincha	Professor, Dept. of EE, IISc, Bangalore	Member	hpk1598@gmail.com
10	Prof. R Janardhan	Pro-VC, DSU, Bangalore	Member	janardhan.dsi@gmail.com
11	Prof. Srinivas	Dean, SOE, DSU	Special Invitee	dean-engg@dsu.edu.in
12	Dr. M K Banga	Professor of Dept. of CSE & Dean-Research, DSU	Member	mkbanga-cse@dsu.edu.in
13	Dr. Sanjay Chitnis	Professor & Chairman, Dept. of CSE	Member	chairman-cse@dsu.edu.in



Dayananda Sagar University

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+91-80-49092924, 49092908
Fax: +91-80-42201997
Web : www.dsu.edu.in

Ref: DSU/REG/2020-21/52

Date: 03.10.2020

NOTIFICATION

Sub: Re-constitution of Board of Studies for the Department of Computer Science & Technology (CST) under School of Engineering – Dayananda Sagar University, Bengaluru.

In supersession of previous notification in this regard vide; No. DSU/2018-19/BOS dt 22.05.2018 and in accordance with Section 22(vi), 28 and 32(i) of the Dayananda Sagar University Act 2012, the Vice Chancellor is pleased to re-constitute the Board of Studies for the **Department of Computer Science & Technology** under the **School of Engineering** of Dayananda Sagar University, Bengaluru comprising of following:

Board of Studies in School of Engineering – Department of Computer Science & Technology

Sl.No	Name	Affiliation & Contact details	Designation
1	Dr. Jasma B	Associate Professor- Incharge Chairman – CST Dayananda Sagar University Email Id: chairman-ct@dsu.edu.in Mobile:9845129890	Chairman
2	Mr. Neerav Joshipuri	Information Excellence Group Email Id: n-k-joshipura@hotmail.com Mobile:9980005198	Member
3	Mr. Aravind Sitaraman	Ex CISCO India Head, Email Id:aravind_sitaraman@yahoo.com	Member
4	Mr. N C Siraman	Co-founder ,MD Metaphoric Networks Pvt Ltd., Email Id:ncsriraman@gmail.co Mobile:9972300980	Member
5	Mr.Ishwar Sundararaman	Serial Entrepreneur, IIMB Aluminus Email Id:Ishwar@unsolved.xyz Mobile:9008255922	Member
6	Mr.Ventakesh D B	Cofounder & CEO, J V Technologies Email Id:ventakesh.db@jvtechnologies.co.in	Member
7	Dr.Manjunath T N	Professor & Dean –(External Relation) BMSIT Email Id: manju.tn@bmsit.in Mobile:9900130748	Member
8	Mr. Nagaraj Kulkarni	Director Compegence Email Id:Nagaraj.kulkarni@compegence.com Mobile:9980540426	Member
9	Prof H P Kincha	Professor; Dept of EE, IISc, Bengaluru Email Id:hpk1598@gmail.com Mobile-9845010476	Member

contd.,

10	Dr. Banga M K	Professor – Dept of CSE Dean – Research Dayananda Sagar University Email Id:mkbangacse@dsu.edu.in Mobile:9845448506	Member
11	Dr.Sanjay Chitnis	Professor & Chairman Dept of CSE Dayananda Sagar University Mobile:9886379597	Member

The term of the Board shall be Three (3) years from the date of this notification or till re-constitution.

The Board shall follow the guidelines stipulated by the university, from time to time, in all academic issues to be decided by it.

To,

The Concerned

CC:PS to VC / CFO / CIO / COE / The concerned Dean/Principal, DSU


Registrar
Dr. Puttamadappa C.
Registrar
Dayananda Sagar University
Bangalore





DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BoS MEETING

• School	: School of Engineering
• Program/Department	: B.Tech. / Computer Science & Technology
• Mode of BOS Held	: Online (Email)
• Date	: July 24, 2020

External Members Present:

SL. No	Name	Designation & Affiliation
1.	Mr. Neerav Joshipura	Information Excellence Group
2.	Mr. Ishwar Sundararaman	Serial Entrepreneur, IIMB Alumnus
3.	Mr. DB Venkatesh	Cofounder & CEO, JV Technologies
4.	Dr. Manjunath TN	Profesor and Dean – External Relation, BMSIT
5.	Mr. NC Sriraman	Co-Founder, MD Metaphoric Networks Pvt. Ltd.
6.	Mr. Nagaraj Kulkarni	Director Compegence

External Members Absent:

SL. No	Name	Designation & Affiliation
1.	Mr. Aravind Sitaram	Ex CISCO India Head

Agenda

SL. No.	Particulars
1	CST will follow same scheme and syllabus as that of CSE Dept. for semesters I - IV for the 2019-20
2	CST Dept. will continue to follow the 2016-17 approved scheme and syllabus for the existing 2017-18 and 2018-19
3	Approval on changing the 7th semester open elective for 2017-18 and 2018-19 from Entrepreneurship Management to Product Engineering & Entrepreneurship
4	Review on Introducing two tracks i.e. Innovation & Intrapreneurship and Technology Entrepreneurship
5	Review on Introducing four streams i.e. Information and Communication Technology, Immersive Technology, Distributed Ledger Technology and Internet of Things Tools and Technologies

Discussions on Agenda - Enclosed

Final Decisions/Resolutions/Recommendations -

Agenda	Decisions/Resolutions/Recommendations
1	CST will follow same scheme and syllabus as that of CSE Dept. for semesters I - IV for the 2019-20 - Accepted
2	CST Dept. will continue to follow the 2016-17 approved scheme and syllabus for the existing 2017-18 and 2018-19 - Approved
3	Approval on changing the 7th semester open elective for 2017-18 and 2018-19 from Entrepreneurship Management to Product Engineering & Entrepreneurship - Accepted
4	Review on Introducing two tracks : Innovation & Intrapreneurship and Technology Entrepreneurship - Approved

5	Review on Introducing four streams : Information and Communication Technology, Immersive Technology, Distributed Ledger Technology and Internet of Things Tools and Technologies - Approved
---	--

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

Agenda	Particulars	
1	Email Interactions	Mr. Neerav Joshipura
2		Mr. Ishwar Sundararaman
3		Mr. DB Venkatesh
4		Dr. Manjunath TN
5		Mr. NC Sriraman
6		Mr. Nagaraj Kulkarni


 Signature of Chairman of BOS with Date
 Department of Computer Technology,
 School of Engineering,
 Dayananda Sagar University,
 Kudlu Gate, Hosur Main Road,
 BENGALURU - 560 068.



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Chairman-CST <chairman-ct@dso.edu.in>

Fri, Jul 24, 2020 at 9:10 PM

To: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, venkatesh.db@jvtechnologies.co.in, manju.tn@bmsit.in, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, svinod3@gmail.com, Chairman CSE <chairman-cse@dso.edu.in>, dean-research@dso.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>
Cc: "Dr. KNB Murthy" <vicechancellor@dso.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dso.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dso.edu.in>

Dear CST-BoS Members,

Greetings of the day!

I hope you are all keeping well and safe. I pray that we get through these challenging days!

I, Jasma Balasangameshwara, have recently been given the In-Charge Chairmanship of the Dept of Computer Science & Technology.

The following documents are attached for your kind review and approval for B.Tech. in Computer Science & Technology for batches 2019-20 and 2020-21 from semester V - VIII.

- (a) Proposed Modified Scheme and Syllabus
- (b) Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship
- (c) Specialization in Technology Entrepreneurship

I wish to bring the following to your kind notice

- (a) It has been mandated by our honorable Vice Chancellor that CST Dept. will follow the same scheme and syllabus as that of CSE Dept. for semesters I - IV for the 2019-20 and 2020-21 batches
- (b) CST Dept. will continue to follow the 2016-17 approved scheme and syllabus for the existing 2017-18 and 2018-19 batches

I request your approval on changing the 7th semester open elective for 2017-18 and 2018-19 from Entrepreneurship Management to Product Engineering & Entrepreneurship (syllabus enclosed)

Due to the pandemic, I request your kind inputs & approvals via email on the attached documents. If you need any clarifications, I will be happy to provide you through a telecon. If you have any additions/modifications, I will be happy to discuss and incorporate.

I seek your approval on the scheme & syllabus as soon as possible! Kindly note that the semester begins from 3rd of August 2020.

Regards,
Jasma Balasangameshwara
Associate Professor & In-Charge Chairman
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Bengaluru - 560068
Mobile Number: 9886019686

7 attachments

 **Open Elective - Product Engineering & Entrepreneurship-2017_2021 & 2018_2022 Batch.pdf**
243K


 **CST-Technology Entrepreneurship Track-V-VIII.pdf**
266K

 **CST-Innovation and Intrapreneurship Track-V-VIII.pdf**
409K

Batch-2020-2024 _ 2019-2023-CST Program Scheme (V-VIII).pdf

8/2/2021

Dayananda Sagar University Mail - BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

 533K

 **2020-2024 _ 2019-2023-CST Program- Technology Electives - Syllabus (V-VIII).pdf**
674K

 **Specialization in Technology Entrepreneurship.pdf**
367K

 **Table-Innovation & Intrapreneurship Track Vs. Technology Entrepreneurship Track.pdf**
161K



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Janardhan Dsi <janardhan.dsi@gmail.com>

Mon, Jul 27, 2020 at 9:23 PM

To: Chairman-CST <chairman-ct@dssu.edu.in>

Cc: Nagaraj Kulkarni <Nagaraj.Kulkarni@compegence.com>, Neerav Joshipura <n_k_joshipura@hotmail.com>, dean-research@dssu.edu.in, Chairman CSE <chairman-cse@dssu.edu.in>, "Dr. KNB Murthy" <vicechancellor@dssu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dssu.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dssu.edu.in>

Congratulations to Mr. Neerav Joshipura!

Your feed back is super! Extremely crucial.
Precise. And unambiguous.

The mention on FDP is very relevant.

I endorse.

Kind regards,

On 7/27/20, Chairman-CST <chairman-ct@dssu.edu.in> wrote:

> Dear Sir,

>

> Greetings of the day!

>

> In continuation to your trailing mail, thank you so much for requesting Mr.

> Neerav Joshipura to go through the documents. Dr. TK Sateesh had interacted

> with Mr. Neerav Joshipura in March 2020 during the CST-BoS meet.

>

> I will discuss the CST proposed program documents with Mr. Neerav Joshipura

> today.

>

> Thanking you once again,

> Regards,

> Jasma Balasangameshwara

>

> On Sun, Jul 26, 2020 at 12:52 PM Nagaraj Kulkarni <

> Nagaraj.Kulkarni@compegence.com> wrote:

>

>> Professor Jasma,

>>

>>

>>

>> My colleague Neerav Joshipura, who also participated in the first BOS

>> meet, will reach out to you on this. Understand the urgency and he will

>> do

>> the needful. His cell number is +91 99800 05198.

>>

>>

>>

>> Regards,

>>

>> Nagaraj

>>

>> --

>> Nagaraj Kulkarni, *COMPE**GENCE*

>> +91-99805-40426 *www.compegence.com <<http://www.compegence.com/>>*

>>

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>> Advantage"

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>>

>>
>> *From:* Chairman-CST <chairman-ct@dsu.edu.in>
>> *Sent:* 24 July 2020 21:11
>> *To:* Aravind Sitaraman <aravind_sitaraman@yahoo.com>; NC Sriraman <ncsriraman@gmail.com>; Ishwar Sundararaman <ishwar@unsolved.xyz>;
>> venkatesh.db@jvtechnologies.co.in; manju.tn@bmsit.in; Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>; H P Khincha <hpk1598@gmail.com>;
>> svinod3@gmail.com; Chairman CSE <chairman-cse@dsu.edu.in>;
>> dean-research@dsu.edu.in; Janardhan Dsi <Janardhan.dsi@gmail.com>
>> *Cc:* Dr. KNB Murthy <vicechancellor@dsu.edu.in>; Dr.A.Srinivas Dayananda
>> Sagar University <dean-engg@dsu.edu.in>; Jasma Balasangameshwara <
>> jasma.b-ct@dsu.edu.in>
>> *Subject:* BoS Meet for Dept. of CST, Dayananda Sagar University: Request

[Quoted text hidden]

--

R. Janardhan
Pro Vice Chancellor, Dayananda Sagar University
and
Senior Executive Vice President
Dayananda Sagar Institutions
Shavige Malleswara Hills
Kumaraswamy Layout
Bangalore-560 078.
Mobile +91 98440 74091
Office + 91 80-42161759
www.dayanandasagar.edu



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

NC Sriraman <ncsriraman@gmail.com>

Mon, Jul 27, 2020 at 8:42 PM

To: Chairman-CST <chairman-ct@dсу.edu.in>

Cc: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, "venkatesh.db" <venkatesh.db@jvtechnologies.co.in>, "manju.tn" <manju.tn@bmsit.in>, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, svinod3 <svinod3@gmail.com>, Chairman CSE <chairman-cse@dсу.edu.in>, dean-research@dсу.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dсу.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dсу.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dсу.edu.in>

Thanks for sharing the details of the proposed modifications to the curriculum for Computer technology group. I am very glad to see the two streams of electives for people who want to pursue the Entrepreneurship as their profession and establish a company to pursue their dream product/ Really thank the people who have put together the draft for feedback and approval from BOS

I also spoke to Ms Jasma Balasangameshwara who took time to explain to be the details behind such preparation and the thought process behind it. Really appreciate the time and effort that has gone in.

In principle all the modifications are excellent and approved with following requests for consideration and opinions for improvement

- a. On technology electives students should choose which stream they want to grow their knowledge when they enter 3rd year or 5th semester and they should pursue the stream till the end of 8th year. This will help them to gain good knowledge in the domain .
- b. For CT students who want to pursue a standard conventional curriculum I don't have any suggestion.
- c. However for the other elective Idea to deliver technology entrepreneurship there should be additional chapter on Finance. Funding and Growth Strategies. Growth strategies should cover techniques or the Start-ups to grow quickly and as a successful start-ups grow smart. This course should provide the budding entrepreneurs with an understanding of the essential elements of successful scaling, including an overview of demand generation, customer acquisition, adoption, diffusion and forecasting demand. They should also learn how to market effectively using best practices of digital marketing, social media, PR, SEO, and pricing. Finally, the curriculum should also cover the nuts and bolts of building a sales process, partnerships and supply relationships, and examine the crucial components of attracting, developing and retaining talent. By the end of this course, they should have an outline of an expansion strategy for their idea or enterprise, and also be ready for Entrepreneurship for Financing and Profitability

Regards

NC Sriraman

[Quoted text hidden]



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Vinod S <svinod3@gmail.com>

Mon, Jul 27, 2020 at 7:59 PM

To: Chairman-CST <chairman-ct@dsu.edu.in>

Cc: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, venkatesh.db@jvtechnologies.co.in, manju.tn@bmsit.in, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, Chairman CSE <chairman-cse@dsu.edu.in>, dean-research@dsu.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dsu.edu.in>

Dear Chairman-CST,

Scheme and Syllabus look good to me.

I approve the same.

Best regards,

Vinod

On Fri, 24 Jul, 2020, 21:11 Chairman-CST, <chairman-ct@dsu.edu.in> wrote:

[Quoted text hidden]



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Dr.Manjunath T N ISE <manju.tn@bmsit.in>

Mon, Jul 27, 2020 at 7:46 PM

To: Chairman-CST <chairman-ct@dсу.edu.in>

Cc: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, venkatesh.db@jvtechnologies.co.in, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, svinod3@gmail.com, Chairman CSE <chairman-cse@dсу.edu.in>, dean-research@dсу.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dсу.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dсу.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dсу.edu.in>

Dear Chairman-CST,

Good Evening.

I approve the same to change the 7th semester open elective for 2017-18 and 2018-19 from Entrepreneurship Management to Product Engineering & Entrepreneurship (syllabus enclosed)

I approve the scheme & Syllabus for the same.

Pls let us know for any further clarifications.

Best Regards

Dr.Manjunath T N

[Quoted text hidden]



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

venkatesh.db@jvtechnologies.co.in <venkatesh.db@jvtechnologies.co.in>

Mon, Jul 27, 2020 at 6:56 PM

To: chairman-ct@dsu.edu.in, jasma.b-ct@dsu.edu.in

Cc: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, manju.tn@bmsit.in, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, svinod3@gmail.com, Chairman CSE <chairman-cse@dsu.edu.in>, dean-research@dsu.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dsu.edu.in>

Hi Leader's,

Your efforts are endless.

My suggestion's:

- 1.Connecting technology for 4 year's with innovation with attached syllabus
2. We need to execute the attached syllabus with kpi strategy .

Thanks,
Venkatesh .db

[Quoted text hidden]

7 attachments

-  **Open Elective - Product Engineering & Entrepreneurship-2017_2021 & 2018_2022 Batch.pdf**
243K
-  **CST-Technology Entrepreneurship Track-V-VIII.pdf**
266K
-  **CST-Innovation and Intrapreneurship Track-V-VIII.pdf**
409K
-  **Batch-2020-2024 _ 2019-2023-CST Program Scheme (V-VIII).pdf**
533K
-  **2020-2024 _ 2019-2023-CST Program- Technology Electives - Syllabus (V-VIII).pdf**
674K
-  **Specialization in Technology Entrepreneurship.pdf**
367K
-  **Table-Innovation & Intrapreneurship Track Vs. Technology Entrepreneurship Track.pdf**
161K



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Ishwar Sundararaman <ishwar@unsolved.xyz>

Mon, Jul 27, 2020 at 6:22 PM

To: Chairman-CST <chairman-ct@dsu.edu.in>

Cc: Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, venkatesh.db@jvtechnologies.co.in, manju.tn@bmsit.in, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, svinod3@gmail.com, Chairman CSE <chairman-cse@dsu.edu.in>, dean-research@dsu.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dsu.edu.in>

Dear Sir

The scheme and syllabus is very well thought out. I approve the same

Regards

Ishwar

Founder - Unsolved.xyz

[Quoted text hidden]



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Neerav Joshipura <n_k_joshipura@hotmail.com>

Mon, Jul 27, 2020 at 10:53 AM

To: Chairman-CST <chairman-ct@dsu.edu.in>, "jasma.b-ct@dsu.edu.in" <jasma.b-ct@dsu.edu.in>

Cc: "vicechancellor@dsu.edu.in" <vicechancellor@dsu.edu.in>, Nagaraj Kulkarni <Nagaraj.Kulkarni@compegence.com>, "dean-engg@dsu.edu.in" <dean-engg@dsu.edu.in>, "dean-research@dsu.edu.in" <dean-research@dsu.edu.in>, "Janardhan.dsi@gmail.com" <Janardhan.dsi@gmail.com>

Many Thanks, Nagaraj.

Hello Prof. Jasma

It was nice talking to you earlier today. The background you shared about these courses was very interesting.

Here is my response that we discussed.

1. The curricula are well detailed. Kudos to DSU for foreseeing this.
2. There is more focus on product development from innovation perspective. It seems to be ignoring service aspects altogether i.e. innovation in services with or without new products. Also, on product development front, I guess they are not competing with likes of NID.
3. The product innovation need not always be new product but improving existing product or service is also an innovation. All products, process & services have efficiency, speed & ease of delivery, reduced materials, cost & size, ease of using, type of experience, disposing it at the end of its life etc. factors. I feel that improving one or more of these factors can also be addressed as part of innovation or entrepreneurship course.
4. It also appears that the innovation is IT driven which is not always the case in real life. I suggest that DSU can rope in other faculties within engineering stream (mechanical, civil, electrical etc.) and non-engineering stream (like medical, dental, pharma, law, auto, transport etc.) to understand the pain points faced by the industry practitioners in respective areas.
5. I would also recommend a session which threads all these together –“ Chip to Cognition and cognition to action” – This, if conducted by an industry expert, it can give overview of how technology plays role in day to day life.
6. Given that the next focus is going to on Atmanirbhar Bharat, Uni like DSU can take lead in Indianizing technology for indigenous applications and local languages. It can bring huge social change e.g. translation from one language to other (Google is very poor translator), taking technology for visually challenged along with entrepreneurial mindset.
7. How about training to the faculty members? All these curricula appear impressive but if the faculty members are not trained or exposed, the outcome would be of below average quality.

Best Regards

Neerav

[Quoted text hidden]



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 24th July 2020

Nagaraj Kulkarni <Nagaraj.Kulkarni@compegence.com>

Sun, Jul 26, 2020 at 12:52 PM

To: Chairman-CST <chairman-ct@dsu.edu.in>, Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, venkatesh.db@jvtechnologies.co.in, manju.tn@bmsit.in, H P Khincha <hpk1598@gmail.com>, svinod3@gmail.com, Chairman CSE <chairman-cse@dsu.edu.in>, dean-research@dsu.edu.in, Janardhan Dsi <Janardhan.dsi@gmail.com>

Cc: "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Jasma Balasangameshwara <jasma.b-ct@dsu.edu.in>, Neerav Joshipura <n_k_joshipura@hotmail.com>

Professor Jasma,

My colleague Neerav Joshipura, who also participated in the first BOS meet, will reach out to you on this. Understand the urgency and he will do the needful. His cell number is +91 99800 05198.

Regards,

Nagaraj

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Nagaraj Kulkarni, **COMPEGENCE**+91-99805-40426 www.compegence.com**Business Acumen, Process, Data and Domain driven "Information Advantage"**

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DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BoS MEETING

• School	: School of Engineering
• Program/Department	: B.Tech. / Computer Science & Technology
• Mode of BOS Held	: Online (Email)
• Date	: April 21, 2021

External Members Present:

SL. No	Name	Designation & Affiliation
1.	Mr. Neerav Joshipura	Information Excellence Group
2.	Mr. Ishwar Sundararaman	Serial Entrepreneur, IIMB Alumnus
3.	Dr. Manjunath TN	Profesor and Dean – External Relation, BMSIT
4.	Mr. NC Sriraman	Co-Founder, MD Metaphoric Networks Pvt. Ltd.

External Members Absent:

SL. No	Name	Designation & Affiliation
1.	Mr. Aravind Sitaram	Ex CISCO India Head
2.	Mr. DB Venkatesh	Cofounder & CEO, JV Technologies

Agenda

SL. No.	Particulars
1	Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship (Updated) - The tracks begin from third semester onwards from 2020 onwards. This is because, 2018-19 batch students who started their Startup journey in third semester were able to make some progress on their Startup during their sixth semester.
2	Technology Verticals - No modifications. Same syllabus will be followed as that proposed for 2019-20 curriculum.
3	CST Exclusive Courses (Including Liberal Studies) - revamped fully as per NEP 2020 guidelines.

Discussions on Agenda – Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship (Updated) - The tracks begin from third semester onwards from 2020 onwards. This is because, 2018-19 batch students who started their Startup journey in third semester were able to make some progress on their Startup during their sixth semester.

Final Decisions/Resolutions/Recommendations -

Agenda	Decisions/Resolutions/Recommendations
1	CST will branch out in 3 rd semester from 2020-21 - Accepted

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

Agenda	Particulars
1	Mr. Neerav Joshipura
2	Mr. Ishwar Sundararaman
3	Dr. Manjunath TN
4	Mr. NC Sriraman

Chairman,
Department of Computer Techno
Signature of Chairman of BOS with Date
Kudr Gate, Hosur Main Road,
BENGALURU - 560 068.



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 21st April 2021

Chairman-CST <chairman-ct@dсу.edu.in>

Wed, Apr 21, 2021 at 5:59 PM

To: Neerav Joshipura <n_k_joshipura@hotmail.com>, Aravind Sitaraman <aravind_sitaraman@yahoo.com>, NC Sriraman <ncsriraman@gmail.com>, Ishwar Sundararaman <ishwar@unsolved.xyz>, venkatesh.db@jvtechnologies.co.in, manju.tn@bmsit.in, Nagaraj Kulkarni <nagaraj.kulkarni@compegence.com>, H P Khincha <hpk1598@gmail.com>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dсу.edu.in>, Dean Research <dean-research@dсу.edu.in>, Chairman CSE <chairman-cse@dсу.edu.in>, Chairman Physics <chairman-phy@dсу.edu.in>, prof vkm <profvkm@dсу.edu.in>, Prof Aravind Srinivas <aravind.srinikoppa@dсу.edu.in>, vinykani.kumar@gmail.com, Vinod S <svinod3@gmail.com>, Janardhan Dsi <Janardhan.dsi@gmail.com>

Cc: Kavya Alse <kavya-ct@dсу.edu.in>, Ramandeep Kaur <ramandeep-ct@dсу.edu.in>, Jyoti Angadi Angadi <jyotiangadi-ct@dсу.edu.in>

Dear CST-BoS Members & Special Invitees,

Greetings of the day!

I hope you are all keeping well and safe. I pray that we get through these challenging days!

The following are the updates from CST Dept. on Student Startup Activities:

Batch: 2018-19 (current 6th semester students)

Sl. No.	Startup Name	URL	Started In (Month/Year)	Revenue (Approx.)	Company Registration	Incubated?
1.	Growmmerce & Wpify	https://growmmerce.com/ https://wpify.tech/	August 2020 August 2019	INR 14,00,000/-	-	AIC-DSU (Enclosed - Sample Incubation Offer Letter to Students)
2.	Rentashoot	https://rentashoot.com/	January 2020	INR 1,20,000/-	-	
3.	Speckless	-	February 2021	-	Process Initiated, Awaiting Approval	
4.	FCON	-	August 2020	-	-	
5.	Talent Tango	https://www.talanttango.org/	October 2020	-	-	
6.	Unpirate	-	September 2020	-	-	

I have received instructions from the honorable Vice Chancellor sir to update the CST curriculum incorporating [NEP 2020](#) guidelines for higher education.

The following documents are attached for your kind review and critical comments for B.Tech. in Computer Science & Technology for batches 2020-21 and 2021-22 from semester III - VIII.

- (a) Proposed Modified Scheme
(b) Syllabus of

- Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship (Updated) - The tracks begin from third semester onwards instead of fifth semester as indicated in the previous 2020-21 CST curriculum. This is because, 2018-19 batch students who started their Startup journey in third semester were able to make some progress on their Startup during their sixth semester.
- Technology Verticals - No modifications
- CST Exclusive Courses (Including Liberal Studies) - revamped fully as per NEP 2020 guidelines.

Due to the pandemic second wave & as no in-person meetings will be held, I request your kind inputs via email on the attached documents. If you need any clarifications, I will be happy to provide you through a telecon (or) Google Meet. If you have any additions/modifications, I will be happy to discuss over the Google Meet & incorporate.

I will call you to get your kind available date & time to convene the CST-BoS over Google Meet.

Thanking you with best regards,
Jasma Balasangameshwara
Associate Professor & In-Charge Chairman
Dept. of Computer Science & Technology

School of Engineering
Dayananda Sagar University
Bengaluru - 560068
Mobile Number: 9886019686

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Regards,
Chairman-CST

6 attachments

-  **CST_2020-2021-Scheme-4APR21.pdf**
469K
-  **CST_2020-2021-Technology Verticals-Syllabus-4APR21.pdf**
658K
-  **CST-Exclusive_2020-2021-Syllabus-4APR21.pdf**
450K
-  **CST_2020-2021-Technology Entrepreneurship Track-Syllabus-4APR21.pdf**
359K
-  **CST_2020-2021-Innovation and Intrapreneurship Track-Syllabus-4APR21.pdf**
528K
-  **Sample - Talent Tango - AIC-DSU Incubation - Offer Letter.pdf**
226K



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 21st April 2021

neerav@softnenterprise.com <neerav@softnenterprise.com>

Mon, May 3, 2021 at 10:39 AM

To: Chairman-CST <chairman-ct@dsu.edu.in>, jasma.b-ct@dsu.edu.in

Hello

Greetings!

Many thanks for your mail. My apology for delay in responding to the mail as it seems to have gone to spam folder. I am fine and hope you too are not touched by pandemic.

I congratulate to DSU leadership and students behind of the referred start-ups.

It is indeed interesting to go through the doc and provide inputs. Here is my thought process about the curriculum docs sent.

“Innovation & Intrapreneurship Track “

- I suggest when we talk of innovation, we need to make it clear to students that there are some challenges involved in innovation (e.g. convincing all stake holders, cost/benefits, change management process itself, timeliness of this innovation etc.). This can be managed by 1 or 2 sessions on Change Management and Management of Technology Implementation.
- Page 10 of 18 - Project Deliverable-1 Solution – Can we have some better example?
- [W.r.to](#) Digital Marketing course – My experience is – B-schools go deep into Marketing first even at UG levels and then this topic is introduced. Students must in no way construe that Digital Marketing is THE marketing. Branding, advertisement, awareness creation, communication, product / service positioning, channels & network etc. are other pillars of marketing. So, before jumping onto Digital marketing, it is better that students know something about these components. Also there is difference in digital marketing when it comes to corporate marketing and consumer marketing (i.e. B2B v/s B2C).
- [W.r.to](#) Technology strategy – Management’s view of technology need to be captured. Measuring Return on Investment (RoI) is important. While implementing Technology in (or for) a business, one cannot ignore employees, process, transparency, infrastructure, training and regular upkeep of technology. Many corporates who embraced technology early are finding difficult to strike balance between old & new technologies. The management strategy and regulatory framework are important factors in tech strategy. At students’ level, they must have some basic knowledge about both, if not detailed.
- [w.r.to](#) Technology strategy, with little stretch, we can cover implementation of Digital technology along with IT. Not sure whether Module 5 IT strategy addresses the above point.

On Technology Entrepreneurship Track

- Can it be a good idea to make students aware of the reasons why start up mortality rate is higher? Is it possible to identify some start ups that have closed the shop and help with analysis of failure?
- Given that technology has penetrated in all the spheres of life, it impacts every business vertical. In the given document, it seems that the entry on this Track is from Tech side (i.e. Tech innovation, new technology etc.) Can this track have another entry point (i.e. problem each & every vertical is facing that can be addressed by existing or new technology or diff implementation)?
- I feel that technology entrepreneurship should have stronger technology focus and lesser focus on Financials. If you have right tech or tech innovation, financial aspects can be taught later too. But knowing financial aspects or valuation does not assure anything. The document is silent on what students would be able to do after this course.

General – :

(1) We have seen unfortunate trends during recent times – i.e. to generate a business opportunity on people's distress. This is negative, short-sighted poor strategy. I am not sure whether it is captured in any courses pertaining to entrepreneurship but following values need to be inculcated somehow in the students

(a) Long term positive thinking and open minded thinking

(b) Building a value (or solving a problem) for society or nation before building value for self

(c) ethical and responsible social, financial and personal behaviour as good entrepreneur

(2) Not sure whether long term benefits of entrepreneurship to individual, family, community and nation are addressed. If not, it is advisable to include them. We can start with Capitalist v/s socialist concept and cover up to developing entrepreneurial ecosystem

(3) Govt of India is encouraging 'Make in India and Make for World'. Introduction to this broader vision can be brought in into the course, if not already there.

Please do revert for clarification.

Thanks and Best Regards

Neerav

Neerav Joshipura

Founder Director

SoftN Enterprises

neerav@softnenterprise.com

www.softnenterprise.com

Ph. 998 000 5198 / 78925 86612

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BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 21st April 2021

Dr.Manjunath T N ISE <manju.tn@bmsit.in>
To: Chairman-CST <chairman-ct@dsu.edu.in>

Thu, May 6, 2021 at 8:19 PM

Dear Chairman-CST,

Good Evening.

The Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship (Updated) is well designed.

But one suggestion can be to introduce subjects related to **funding mechanism and finance management**, which i am not seeing anywhere in the scheme.

Pls let us know for any further clarifications.

[Quoted text hidden]

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Dr.Manjunath T N
Professor, Dept of ISE
BMS Institute of Technology and Management,Bengaluru
Mob:+91-9900130748

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BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 21st April 2021

NC Sriraman <ncsriraman@gmail.com>

Thu, Apr 22, 2021 at 9:56 PM

To: Chairman-CST <chairman-ct@dsu.edu.in>

Excellent progress on start up initiative by our students.

Please ask them to take my help We can have a GMEET call and meet the students. I can mentor them on all aspects if they need. Also we should start conducting review of the their projects once in 3 months. I can send the template which can be used for the business review and help them to do midcourse corrections if needed

I will review other details and revert back to you asap

Regards

NC Sriraman

[Quoted text hidden]



BoS Meet for Dept. of CST, Dayananda Sagar University: Request dated 21st April 2021

Ishwar Sundararaman <ishwar@unsolved.xyz>
To: Chairman-CST <chairman-ct@dsu.edu.in>

Mon, May 10, 2021 at 1:32 PM

Dear Sir

Thank you for your email. I think the curriculum is very well thought out. If I have to suggest an addition, I would suggest a greater focus on customer acquisition because most entrepreneurs struggle with that piece. Aspects like positioning, communication, marketing automation, product-led growth vs sales led growth etc.

On Wed, Apr 21, 2021 at 6:00 PM Chairman-CST <chairman-ct@dsu.edu.in> wrote:

[Quoted text hidden]