Dayananda Sagar University
SCHOOL OF COMMERCE & MANAGEMENT STUDIES
PROCEEDINGS OF BOS – UG Program

Venue: Virtual   Time: 2.00 – 4.00 PM   Date: 29.02.2020

Members present:

1. Dr. Punith Cariappa
2. Dr. K Erasi
3. Dr. B Mariyappa
4. Dr. Mukund Mohan
5. Dr. Chandrakala G
6. Dr. Satish

Special invites

I. Mr. Suresh Mani
II. Mr. Narayan Nambiyar

Meeting Agenda-BOS-UG Program

1. Approval of BBA and B.Com program structure 2020-21
2. Discussion and approval of syllabus for earlier program structure (2018 -19, 2019-20)
3. Other major changes on the curriculum/evaluation pattern
4. Discussion on the feedback of the stakeholders.

The meeting commenced with chairperson Dr. Punith Cariappa, Dean, School of Commerce & Management Studies (SCMS), welcoming the learned BOS members. She mentioned that it was an honor for Dayananda Sagar University to have such an enlightened BOS members and her personal privilege in hosting them. The BOS members were asked to introduce each other.

Vision and Strategy

1) At the outset, Dr. Punith Cariappa mentioned that the context of the meeting was to approve the Syllabus & Pedagogy to help the School of Commerce and Management Studies find its unique place through an innovative market driven syllabus. The subjects were already discussed and finalized in the previous BOS for the 2019 Scheme.

Discussions

1. Approval of BBA and B. Com program structure 2020-21

Dr. Chandrakala G proposed the program structure of the B. Com for the academic year 2020-21. The total credits and division of the major course, minor courses and electives were elaborated to the members to seek their approval on the same. The program structure follows CBCS, which ensures effective teaching-learning platform. The program also highlights the elective choice offered to the student to meet the industry standards

Following this, Dr. Roohi Kursheed Khan proposed BBA program structure for the year 2020-21. BBA program is equipped with industry pedagogy and focus on current changes to meet industry standards. The overall highlights of the program were discussed and the structure of the program was explained in detail to seek the approval from the members. The program structure was designed based on the Choice Based Credits System (CBCS) and electives with various specialization (Finance, Marketing, HRM and Analytics) The detailed explanation on the electives offered among different specialization was elaborated and necessary feedback from the members were collected.

2. **Discussion and approval of III and IV Semester Syllabus – BBA and B. Com– 2019 Batch**

The Syllabus for III and IV Sem. was presented and discussed. The following course contents were modified:

Sl. No.	Sem.	Sub. Code	Course Name
1	III	19BC2302	Costing Methods
2	IV	19SC2401	Stock Market & Commodity Market

The following course Syllabus were suggested to modify and necessary content was incorporated, they are;

Sl. No.	Sem.	Sub. Code	Course Name
1	III	19MA1204	Financial Control
2	III	19MA2303	Financial Reporting and Control

The following course contents and syllabus were discussed

SEMESTER – 5

SL. No.	COURSE CODE	COURSE TITLE	CR / AU	NO OF HOURS OF TEACHING			
				L	T	A	C
1	18BC301	ACCOUNTING OF SERVICES	CR	3	2	0	4
2	18BC302	INCOME TAX - I	CR	3	0	0	3
3	18BC303	ENTREPRENEURIAL DEVELOPMENT	CR	3	0	2	4
4	18BC304	AUDIT AND ASSURANCE	CR	3	2	0	4
5	18BC305	PROJECT WORK AND VIVA	CR	0	0	6	3
6	18BY3ZZ	ELECTIVE – I	CR	3	0	2	4
7	18BY3ZZ	ELECTIVE - II	CR	3	0	2	4

SEMESTER – 6

1	18BC306	MANAGEMENT ACCOUNTING	CR	3	2	0	4
2	18BC307	INCOME TAX - II	CR	3	0	0	3
3	18BC308	BUSINESS INFORMATION SYSTEM	CR	3	2	0	4
4	18BC309	BUSINESS LAW & REGULATION	CR	3	2	0	4
5	18BY3ZZ	ELECTIVE – III	CR	3	0	2	4
6	18BY3ZZ	ELECTIVE - IV	CR	3	0	2	4

SEM	INVESTMENT MANAGEMENT		CORPORATE ACCOUNTING		BUSINESS ANALYTICS	
	CODE	COURSE TITLE	CODE	COURSE TITLE	CODE	COURSE TITLE
V	18BI 306	INVESTMENT INDUSTRY	18BA 306	ADVANCED AUDITING		FUNDAMENTALS OF BUSINESS ANALYTICS
V	18BI 307	INVESTMENT INSTRUMENTS	18BA 307	FEDERAL TAXATION-I		INTRODUCTION TO ANALYTICS TOOLS
VI	18BI 310	INVESTMENT MANAGEMENT	18BA 310	ADVANCED FINANCIAL REPORTING		APPLICATION OF BUSINESS ANALYTICS
VI	18BI 311	INVESTMENT INDUSTRY CONTROLS	18BA 311	FEDERAL TAXATION-II		BUSINESS FORECASTING

3. Other major changes on the curriculum/evaluation pattern

The committee members highlighted that program structure of the Undergraduate programs of School of Commerce and Management studies focused on the skill development and meet the industry standards. They members also suggested to improve the teaching and leaning methods using various approaches – field visit, Case studies, Business Competition.

Resolutions

Agenda	Resolutions
Approval of BBA and B. Com program structure 2020-21	APPROVED
Approval of III and IV Semester Syllabus – BBA and B. Com– 2019 Batch	APPROVED WITH MINOR CHANGES
Approval of V and VI Semester Syllabus – BBA and B. Com– 2018 Batch	APPROVED WITH MINOR CHANGES
Discussion on the feedback of the stakeholders.	
The students feedback sought indicated that the program structure was positive and meets industry standards. However, students suggested to include Introduction to skill enhancement i.e. certification course.	ACCEPTED
Faculty feedback suggested to change the course structure of English to Business Communication	ACCEPTED

Faculties noted to shift Business Research methods to fifth semester as this would support students to for their final dissertation	ACCEPTED
Employer suggested to inculcate entrepreneurship spirit among students. It was suggested to include a Course on entrepreneurship.	ACCEPTED
Employers also identified that industry preparedness among students needs to be strong	ACCEPTED
Alumni representative suggested to introduce students to compulsory have research paper presentation to improve the research culture among the students	ACCEPTED

Dean

Annexure 1: Program structure for B.Com and BBA 2020-21

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF COMMERCE AND MANAGEMENT STUDIES

MEETING OF THE BOARD OF STUDIES

TIME: 2:00 pm to 4:00 pm

Date 29/02/2020

Venue: SCMS

BOS ATTENDANCE SHEET

Sl No	Name of members	Affiliation	Designation	Signature
1	Dr. Punith Cariappa	Dean, School of Commerce and management studies, DSU	Chairperson	
2	Dr K Erasi	Professor, Bangalore University	Member	
3	Dr B Mariyappa	Associate Professor & HOD, BMS College for Women's	Member	
4	Dr Mukund Mohan	Professor, PES University	Member	
5	Dr Chandrakala G	Assistant Professor, SCMS	Member	
6	Dr Satish	Assistant Professor, Bangalore Central University	Member	
7	Mr Suresh Mani	Director, CareerLabs Technologies, Bangalore	Member	
8	Mr Narayan Nambiyar	Director, GLOBALFTI Pvt Limited	Member	

Dean

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF COMMERCE AND MANAGEMENT

Feedback Analysis and Action Taken Report

Date: 24-02-2020

The Institution's Feedback Analysis Committee is responsible for crafting and gathering feedback from its stakeholders to assess and appraise the quality of its performance concerning curriculum and related matters. This feedback was sourced from a diverse array of stakeholders, including students, faculty, employers, and

The feedback targets following different content for different stakeholders.

1. The feedback for students covers the discussed curriculum and the challenges encountered in learning, encompassing human values, ethics, quality, competence, skills, and professionalism. Moreover, it considers supplementary elements such as infrastructure, faculty excellence, and teaching standards- **Students.**

2. The faculty feedback emphasized worries about the practical application of the course, the efficiency of the curriculum's results, the pertinence of course content and associated reference materials, the congruence of reference materials with the curriculum, the assessment techniques, and the delivery approach of the curriculum. - **Faculty.**

3. The employers' feedback assessed issues surrounding emerging national and global trends, the integration of design thinking principles into the curriculum, the significance of teamwork, addressing creative challenges amidst difficulties, and the application of technology in work practices learned through the curriculum. – **Employers.**

4. The alumni feedback encompassed evaluations of advanced and interdisciplinary subjects, approaches to close the divide between industry and academia, the sufficiency of syllabus content aligning with present professional standards, and the curriculum's structure aimed at cultivating self-directed learning and problem-solving skills. **Alumni.**

The feedback collected and to the respective authorities for the necessary actions:

From Students:

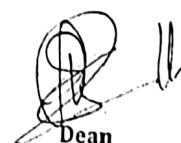| Feedback	Action Taken
The students feedback sought indicated that the program structure was positive and meets industry standards. However, students suggested to include Introduction to skill enhancement i.e. certification course.	Suggestions were implemented Courses were introduced

From Faculty:

Feedback	Action Taken
Faculty feedback suggested to change the course structure of English to Business Communication	Suggestions were implemented Courses were introduced
Faculties noted to shift Business Research methods to fifth semester as this would support students to for their final dissertation.	Suggestions were implemented Courses were shifted

From Employers:

Feedback	Action Taken
Employer suggested to inculcate entrepreneurship spirit among students. It was suggested to include a Course on entrepreneurship.	Based on the suggestion of the employers a Course on entrepreneurship was introduced in the curriculum
Employers also identified that industry preparedness among students needs to be strong	Finishing school was introduced where aptitude industry prepared sessions, group discussion was provided for one credit.

From Alumni:

| Feedback	Action Taken
Alumni representative suggested to introduce students to compulsory have research paper presentation to improve the research culture among the students	New course on paper presentation for one credit was introduced to boost students' confidence in preparing report.

Dean

Annexure

1. Data analysis of the feedback form is attached.
2. Sample feedback from stakeholders
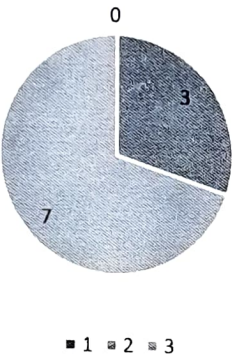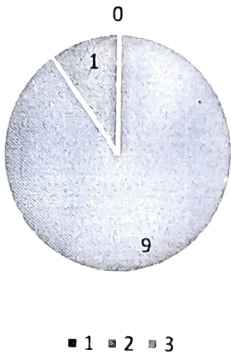
2020- 21 Feedback for Students

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Q2

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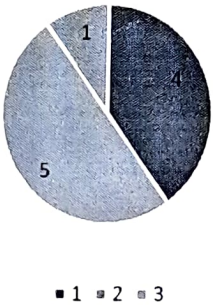
Q5

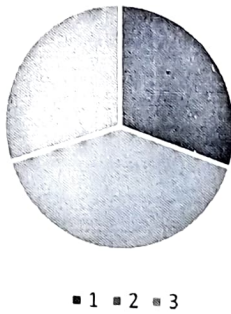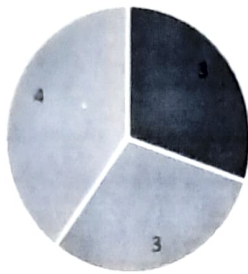
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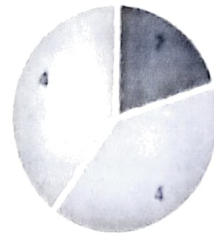■ 1 ▣ 2 ▨ 3

Q6

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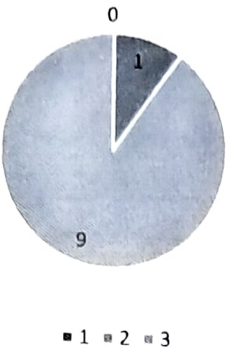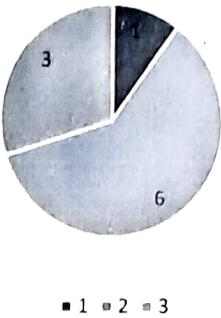
Q7

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Q8

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NOTE:

Q1 The curriculum encourages collaboration among the students through group assignments, discussions, or projects.

Q2 Efforts made by the institute/teachers to inculcate soft skills, life skills and employability skills as part of the curriculum made you ready for the world of work.

Q3 Whether the institution is practicing latest Teaching and learning methodologies?

Q4 Whether the Institute supports and contributes for overall development of students?

Q5 Practical project work in the curriculum helps in faster understanding of the theoretical concepts.
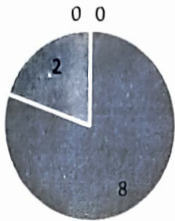
Q6 Your involvement in academic council meeting of the institution

Q7 Does the curriculum foster a startup/entrepreneurship mindset

Q8 Whether the institute involves alumni in conducting program specific Industrial visits??
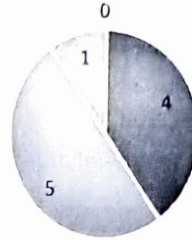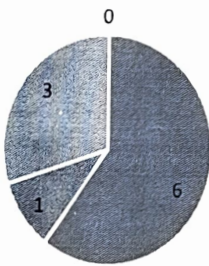
2020-21 Faculty Feedback

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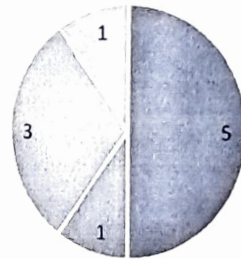
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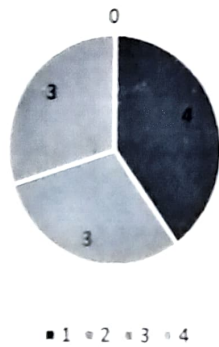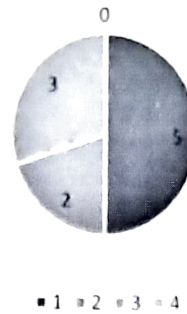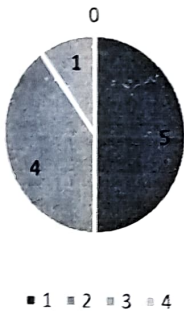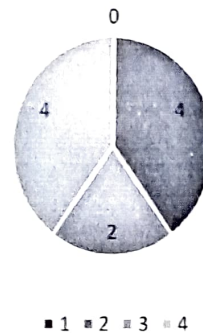
NOTE:

Q1. Teaching methodology and mentoring process in the institution facilitate cognitive, social and emotional growth.

Q2 Institute take active interest in promoting internship, student, field visit opportunities for students.

Q3 The curriculum encourages collaborations among the students through group assignments, discussions or projects.

Q4 The institute encourage faculty participation in university academic and examination issues.

Q5 Is the curriculum implemented, career oriented and inclined towards employability and skill development

Q6 Effectiveness of the course curriculum is in terms of stimulating original thinking in students

Q7 Curriculum encourages research culture among students

Q8 Availability of ICT tools such as LCD projector, Multimedia etc while teaching as per course curriculum.

2020-21 Alumni Feedback Analysis

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Q6

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Q8

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NOTE:

Q1 The curriculum encourages collaboration among the students through group assignments, discussions, or projects.

Q2 Efforts made by the institute/teachers to inculcate soft skills, life skills and employability skills as part of the curriculum made you ready for the world of work.

Q3 Whether the institution is practicing latest Teaching and learning methodologies?

Q4 Whether the Institute supports and contributes for overall development of students?

Q5 Practical project work in the curriculum helps in faster understanding of the theoretical concepts.

Q6 Your involvement in academic council meeting of the institution

Q7 Does the curriculum foster a startup/entrepreneurship mindset

Q8 Whether the institute involves alumni in conducting program specific Industrial visits?

2020- 21 Feedback for Employers

Q1

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Q2

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Q3

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Q4

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Q10

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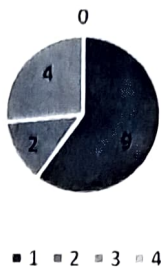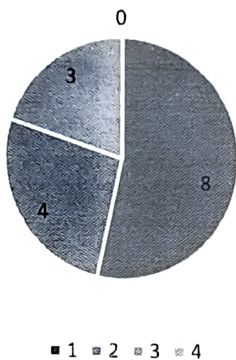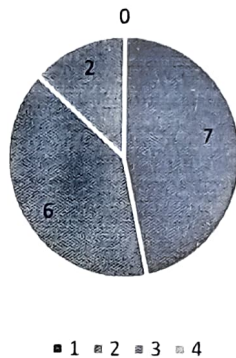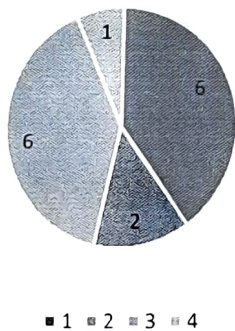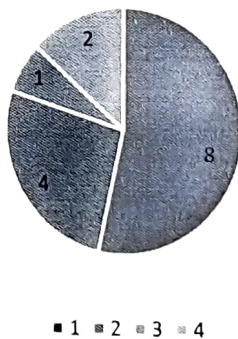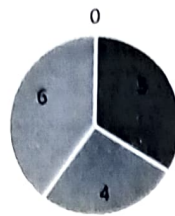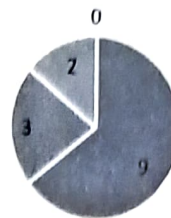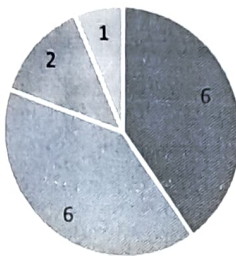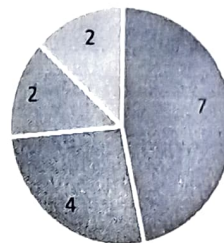
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NOTE:

Q1 How would you rate the graduates' theoretical knowledge in relation to the demands of your industry?

Q2 Please rate the graduates' practical skills and their applicability to your workplace.

Q3 How well did the graduates communicate (both written and verbal) in a professional setting?

Q4 Rate the graduates' problem-solving abilities when faced with challenges in your workplace.

Q5 How would you rate the adaptability of the graduates to new technologies or methodologies within your industry?

Q6 Rate the graduates' teamwork and collaborative skills demonstrated in your organization.

Q7 Please rate the overall professionalism and work ethic displayed by the graduates.

Q8 How well did the graduates' education prepare them for the realities of your industry?

Q9 Rate the graduates' ability to innovate and think creatively in your workplace.

Q10 Would you recommend hiring more graduates from our institution to other employers in your industry?

Reference: OL/ WFCT/ Dec

20/07 Date: 18 DECEMBER 2019

FEEDBACK LETTER

Dear DSU,SCMS

I trust this message finds you well. I would like to extend my appreciation for the ongoing commitment of Dayananda Sagar University to providing quality education to students in the School of Commerce and Management Studies.

During our collaboration with students from your esteemed institution, we have received valuable insights from employers. One recurring observation has been the importance of strengthening industry preparedness among students. In line with this feedback, I would like to offer a suggestion to further enhance the readiness of students for the professional world.

By implementing these suggestions, we can collectively contribute to better preparing students for the demands of the professional world. I believe that a strong emphasis on industry readiness will not only benefit the students but also enhance the reputation of the School of Commerce and Management Studies.

I appreciate your consideration of these recommendations and look forward to the continued success of our collaboration.

Thank you for your dedication to the academic and professional growth of students.

Nidhi Saxena

18 / 12 / 2019

Director - People
Nidhi Saxena

Feedback Letter

Date: 08-01-2020

Dear Dayananda Sagar University - School of Commerce and Management Studies,

I trust this message finds you well. I would like to express my appreciation for the dedication and commitment that Dayananda Sagar University demonstrates in providing quality education to students, particularly in the School of Commerce and Management Studies.

As we continuously strive for excellence, I would like to put forth a suggestion for curriculum enhancement, specifically the inclusion of a subject dedicated to entrepreneurship. Entrepreneurship is a vital aspect of the business landscape, and integrating it into the curriculum will offer several advantages

I believe that incorporating entrepreneurship into the curriculum will not only enrich the educational experience for students but also prepare them for the dynamic and competitive business landscape.

I appreciate your consideration of this proposal and am open to further discussions on how we can collaboratively implement this initiative for the benefit of the students at Dayananda Sagar University.

Thank you for your ongoing commitment to academic excellence.

Sincerely,

Abhisht A. Pathak

Founders Office

Dayananda Sagar
University

Dayananda Sagar University

School of commerce and Management studies

Proceedings of BOS UG Program

Venue: Virtual Platform   Time: 2.00 – 4.00PM   Date: 24-03-2021

Members Present:

1. Dr. Punith Cariappa, Prof. & Dean, SCMS- Chairperson-BOS
2. Dr. K Erasi, Professor/Dean/Chairman, Bangalore University- Member BOS
3. Dr. B Mariyappa, Associate professor & HOD., BMS college for women airperson- BOS
4. Dr. S. Ramesh Dean Faculty of Commerce and Management Mount Carmel College-Autonomous-Member BOS
5. COL. V. Govindrajulu, President & CEO Cirrlogix Technologies- Member BOS
6. Mr. Basanna Patagundi, Prof. & HOD., Dept of MBA, Cambridge Institute of technology-Member BOS
7. Dr. Jalaja K.R, Assistant Professor, Bangalore University Central University, Central College Campus-Member BOS
8. Mr. Kiran Bindu, Director Mentees Capital-Member BOS

Special Invites:

1. Mr. Suresh Mani
2. Mr. Vimal
3. Mr. Narayan Nambiyar
4. Mr. Subramani

Meeting Agenda-

The Curriculum of the following

1. Approval of BBA and B.Com Program structure for the academic year 2021-22
2. Discussion on the syllabus, specialisation and other elective courses
3. Other major changes on the curriculum/evaluation pattern
4. Discussion on the feedback from the stakeholder

The meeting Commenced with the chairperson Dr. Punith Cariappa, Dean school of commerce and Management Studies welcoming the BOS members. Each BOS member Introduced themselves Introduced themselves. She mentioned that it was an honor and privilege in hosting such enlightened and senior BOS member

The Context of the meeting was to discuss the needs of the present day in Framing the curriculum keeping in mind proper communication, Collaboration, and critical thinking. The focus was to develop syllabus and pedagogy which is industry relevant, Research oriented rigorous and contemporary which helps SCMS attain a unique positioning.

Proceedings-Minutes of the meeting

Few of the points discussed to be incorporated and eliminated are:

- It was decided that all programs offered for the academic year 2021-22 will adhere to the Choice Based Credit System (CBCS) in accordance with the guidelines set by the UGC.
- The decision was made for all courses within the programs to follow the LTPC approach, which stands for lectures, tutorials, practicals, and ere its. This includes allocating an appropriate number of credits to each course based on its requirements.
- International taxation- AJI taxes to be thought for B. Com students which includes individual tax, Corporate tax and International Tax.
- GST Should include E waybill and other details.
- Income tax should. include all the assessment procedures of companies. Political parties, cooperatives, etc
- Business consulting and report writing and technical writing should be part of the project work in the final year which should be different from BBA project work.
- Business Communication portions should be similar to CA foundation portion.
- Banking should include corporate banking retail banking, investing banking, merchant banking and-case studies on latest bank mergers.
- Conflict management and negotiations skills should be part of the curriculum.
- Mergers and acquisition and valuation can be one of the subjects in B.com
- Corporate accounting should include holding company and subsidiary company.
- Micro economics and through understanding of interest rates in a must for B.com students.
- Remove outdated topics from advanced financial management and incorporate the latest topics.
- M.com in fintech sounds very innovative and need of the hour

- It was decided that all programs offered for the academic year 2021-22 will adhere to the Choice Based Credit System (CBCS) in accordance with the guidelines set by the UGC.
- The decision was made for all courses within the programs to follow the LTPC approach, which stands for lectures, tutorials, practical's, and credits. This includes allocating an appropriate number of credits to each course based on its requirements.
- Strategic management should include Company analysis or internal environment analysis.
- Entrepreneur subject must be practical paper with more hands-on experience. You should include women entrepreneurs as it is a mandatory requirement.
- All management education managers should be tech savvy. Hence every subject must have a digital component, at least as a last module.
- Global business should include global business during pandemic.
- Marketing communication should not have any overlap and it can be a team teaching with academicians plus industrialists.
- Marketing research should be project based including YouTube analytics, Google Analytics and so on.
- All electives must be heavily applications oriented and practical.
- Financial specialisation can have subjects like mergers, acquisitions, corporate structuring.
- Digital marketing can have Euro course and digital supply chain.
- Instead of portfolio, it can be called SAPM Security analysis and portfolio management. Cryptocurrency can be included.
- Labour law should have the new changes in HR laws and laws connected with services and manufacturing.
- There can be a new paper or new subjects on business modules of organization structures.
- Taxation must have all 5 heads of income.
- Business Analytics: Analytical Tools-limit it to one or two and give deeper insights to the same
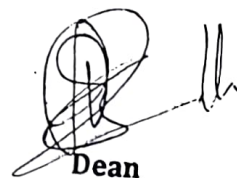
Resolutions

Agenda	Resolutions
Approval of BBA and B.Com Program structure for the academic year 2021-22	APPROVED
Discussion on the syllabus, specialisation and other elective courses	APPROVED WITH MINOR CHANGES
Other major changes on the curriculum/evaluation pattern	APPROVED WITH MINOR CHANGES
Discussion on the feedback from the stakeholder	
To provide business immersion project and more frequent Field Visits	ACCEPTED

To start Short Term Programmes and certification program; and new programme	ACCEPTED
Overall, the employer's feedback was positive and reported that students exhibited a great interest in leaning new concepts and significant contribution to organisation objectives	ACCEPTED
Practical Training Session on different software and other statistical packages need to enhanced	ACCEPTED
More of Financial Modelling with Practical Exposure to be enriched	ACCEPTED
Focused majority on the Industry Academia Partnership for real time leering	ACCEPTED

Dean

Annexure 1: Program Structure for B.Com and BBA 2021-22

Dayananda Sagar University

SCHOOL OF COMMERCE & MANAGEMENT STUDIES
MEETING OF THE BOARD OF STUDIES

Venue: Webinar

Time: 2.00 – 4.00 PM

Date: 24.03.2021

Board of studies - UG Program
Attendance Sheet

Sl. No	Name of Members	Affiliation	Designation	Signature
1	Dr. Punith Canappa	Professor & Dean School of Commerce and Management Studies, Dayananda Sagar University.	Chairperson	Present - Online
2	Dr. B. Mariyappa	Associate Professor & HOD., BMS College for Women	Member	Present - Online
3	Dr. S. Ramesh Dean	Faculty of Commerce & Management, Mount carmel College- Autonomous	Member	Present - Online
4	Mr. Narayanan Nambiar	Director, GLOBALFTI Private Limited	Member	Present - Online
5	COL. V. Govindarajulu	President & CEO., Cirrloglx Technologies	Member	Present - Online
6	Dr. K Eresi	Professor/ Dean/ Chairman, Bangalore University	Member	Present - Online
7	Mr. Seshu K.N	Professor Ex. Senior Manager SBI	Member	Absent
8	Mr. Basanna Patagundi	Prof. & HOD., Dept. of MBA., Cambridge Institute of Technology	Member	Present - Online
9	Dr. Jalaja K.R	Assistant Professor, Bangalore Central University. Central College Campus	Member	Present - Online
10	Mr. Kiran Bindu	Director, Mentees Capital	Member	Present - Online
11	Dr. Padmalatha	Assistant Professor - SCMS	Member	Absent

DEAN - SCMS 24/3/21

Dayananda Sagar University

SCHOOL OF COMMERCE & MANAGEMENT STUDIES

PROCEEDINGS OF BOS -UG PROGRAM

Venue: 6th Floor, Dental Block, DSU.   Date: 23-02-2019

Members present:

1. Mr. Janardhan
2. Dr. Punith Cariappa
3. Dr. K Erasi
4. Dr. B Mariyappa
5. Prof. Antony
6. Prof. Nagaraj Shenoy
7. Dr. Padmalatha N
8. Dr. Savitha Trivedi.
9. Dr. Naveenan

Special invitees:

1. Mr.Vimal Joseph
2. Mr. Joe
3. Mr. Sharma

Meeting Agenda-BOS-UG Program

1. Approval of BBA and B.Com Program structure for the academic year 2019-20
2. Discussion on the syllabus, specialization and other elective courses
3. Other major changes on the curriculum/evaluation pattern
4. Discussion on the feedback from the stakeholder.

I. Approval of BBA and B.Com Program structure for the academic year 2019-20

Dr. Padmalatha N presented the proposed program structure for the B. Com academic year 2019-20, seeking approval from the members. The design is in accordance with the Choice Based Credit System (CBCS) to ensure an effective teaching-learning platform. The program places significant emphasis on major courses, minor courses, and electives, providing students with the flexibility to align their education with industry standards.

Following this, Dr. Naveenan introduced the BBA program structure for the year 2019-20, highlighting its alignment with industry pedagogy and responsiveness to current industry changes. The presentation provided a detailed overview of the CBCS framework and outlined the incorporation of electives with specializations in Finance, Marketing, HRM, and Analytics. A comprehensive explanation of the electives, particularly across various specializations, was given, and constructive feedback from members was actively sought during the discussion.

II. Discussion on the syllabus, specialization and other elective courses

1. The Business Information System & Accounting Information System Syllabus of VI B.Com, which was revised as there was some overlap. The changes are approved by the board. For the Subject - Business Information System and Accounting Information System
2. Subject title Corporate Reporting is changed as Per revised syllabus and minor changes is now called 17BC304 Strategic Business Reporting- The same is approved by the board.
3. 17BC309 Governance, risks and Ethics and 17BC301 Business Analysis subjects syllabus are changed to Strategic Business Leader -1 and Strategic Business Leader -2. The same is approved by the board.
4. B Com 2018-19 Life Skills 17NC202-is revised and approved by the board.
5. Few Suggestions by the Board

The Board suggested that, some aspects of Indian accounting standards should be covered before studying IFRS Syllabus.

a. All the subjects syllabus should be divided in to either modules or units and maintain uniformity.
b. Taxation subject syllabus should be revised.
c. Life skills syllabus should be revised and elaborated.
d. Indian Constitution should be studied in first year itself to learn more about empowerment.
e. Indian banking system should be replaced with Indian financial system.
f. There has to be a separate BOS Meeting for foreign languages.
g. Intellectual property rights can be replaced with artificial intelligence.
h. Intellectual property rights can be one module under business law.
i. E – Commerce subject repeated should be taken care, can be replaced with services management.
j. Contemporary business word can be one subject without any syllabus but faculty to teach current affairs.
k. Project work can be given to students related to commerce and accounts it should be a group activity. Viva to be done individually.
l. Economics subject should have all the updates like Niti Aayog etc.
m. Include open electives like Disaster management in the 3rd year.
n. The subject Entrepreneurship can be modified to Entrepreneurship and Innovation.
o. Change the title of Statistics to Statistics for Decision Making
p. In Business Economics, Ist Semester, Indian Reforms with Planning Commission need to be included.
q. In Environmental Studies, develop a project work related to water problems etc.

III. Other major changes on the curriculum/evaluation pattern

The Committee members highlighted that program structure of the Undergraduate programs of the school of Commerce and Management studies focus on developing analytical and problem-solving skills among the students by mandating case studies in the curriculum and incorporate modules or workshops focusing on soft skills, including

communication teamwork and leadership. The committee also suggested to inculcate internship in the curriculum to expose students to professional business practices.

IV. Discussion on the feedback from the stakeholder.

Agenda	Resolutions
Approval of BBA and B.Com Program structure for the academic year 2019-20	Approved
Discussion on the syllabus, specialization and other elective courses	Approved with minor changes
Other major changes on the curriculum/evaluation pattern	Approved with minor changes
Discussion on the feedback of the stakeholders.	
Overall, the students feedback on curriculum was positive. However, students suggested to include hands on training using Microsoft office and Excel.	ACCEPTED
Faculty Suggested more of research guidance to be given to them as well as to encourage them for participating in seminar, workshop and conference	ACCEPTED
The suggestion was to include Digital marketing as an elective course	ACCEPTED
Personality development courses to be introduced for overall grooming of the students.	ACCEPTED
Foreign languages to be Introduced	ACCEPTED
Focus on Kannada to be made compulsory	ACCEPTED

Dean

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF COMMERCE AND MANAGEMENT STUDIES

MEETING OF THE BOARD OF STUDIES

TIME: 2:00 pm to 4:00 pm

Date 23/02/2019

Venue: 6th Floor Dental Block

BOS ATTENDANCE SHEET

Sl No	Name of members	Affiliation	Designation	Signature
1	Mr Janardhan	Pro-Vice Chancellor	Chairman	
2	Dr. Punith Cariappa	Dean, School of Commerce and management studies, DSU	Chairperson	
3	Dr K Erasi	Professor, Bangalore University	Member	
4	Dr B Mariyappa	Associate Professor & HOD, BMS College for Women's	Member	
5	Prof Anthony	Professor, Christ University	Member	
6	Prof Nagaraj Shenoy	Professor, Jain University		
7	Dr Padmalatha N	Assistant Professor, SCMS	Member	
8	Dr Savitha Trivedi	Assistant Professor, SCMS	Member	
9	Dr Naveenan	Assistant Professor, Bangalore Central University	Member	
10	Mr Vimal Joseph	Manager, GlobalFTI, Bangalore	Member	
11	Mr Joe	AVP(HR), Rorko India Private Limited	Member	
12	Mr Sharma	CFO, ZenTech Pvt Limited	Member	

Dean

Annexure 1: Program Structure for B.Com and BBA 2019-20

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF COMMERCE AND MANAGEMENT

Feedback Analysis and Action Taken Report

Date: 20-02-2019

The Feedback Analysis Committee of the institution designs and collects feedback from its stakeholders to monitor and evaluate its performance quality on curriculum and curriculum related issues. The feedback was collected from various stakeholders like students, faculty, employers, and alumni.

The Feedback targets following different content for different stakeholders.

1) **For students** - This feedback encompasses the addressed curriculum and its learning challenges concerning human values, ethics, quality, competence, skills, and professionalism. It also takes into account additional factors such as infrastructure, faculty quality, and teaching standards.
2) **For faculty**- This feedback highlighted concerns regarding the course's real-life application, the effectiveness of the curriculum's outcomes, the relevance of course content and corresponding reference materials, the alignment of reference materials with the curriculum, the assessment methods, and the delivery of the curriculum.
3) **For employers:** The feedback from employers evaluated matters concerning emerging national and global trends, the incorporation of design thinking principles within the curriculum, the importance of teamwork, tackling creative challenges in adversity, and the integration of technology into work practices as learned through the curriculum.
4) **For alumni** – The alumni feedback covered assessments of advanced and interdisciplinary topics, strategies to bridge the gap between industry and academia, the adequacy of syllabus content concerning current professional standards, and the curriculum's design in fostering self-directed learning and a problem-solving approach.

The feedback collected and to the respective authorities for the necessary actions:

From Students:

Feedback	Action Taken
Overall, the students feedback on curriculum was positive. However, students suggested to include hands on training using Microsoft office and Excel.	Considering the requirement of the industry a course named Introduction to Microsoft office has been introduced and inculcated in the 3rd semester of the curriculum

From Faculty:
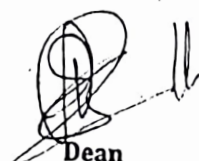
Feedback	Action Taken
Faculty Suggested more of research guidance to be given to them as well as to encourage them for participating in seminar, workshop and conference	Advanced learners will be encouraged to attend seminar and conferences outside university.

From Employers:

Feedback	Action Taken
The suggestion was to include Digital marketing as an elective course	Suggested changes has been included in the curriculum
Personality development courses to be introduced for overall grooming of the students.	Considering the importance of our students being more disciplined and to showcase a great persona which adds to their career personality development courses have been introduced in the 4th semester

From Alumni:

Feedback	Action Taken
Foreign languages to be Introduced Focus on Kannada to be made compulsory	To empower our students to achieve diverse milestones and accomplish, We introduced foreign languages French and German in the, ensuring that language barriers do not hinder their progress. No significant changes have been made, Kannada subject is included in the syllabus it is the decision of the student to select particular subject and study

Dean

Annexure

1. Data analysis of the feedback form is attached.
2. Sample feedback from stakeholders

FEEDBACK ANALYSIS (STUDENTS 2019- 20)

Q1

1, 3, 6

■ 1 ■ 2 ■ 3

Q2

2, 1, 7

■ 1 ■ 2 ■ 3

Q3

3, 3, 4

■ 1 ■ 2 ■ 3

Q4

2, 3, 5

■ 1 ■ 2 ■ 3

Q5

0, 1, 9

■ 1 ■ 2 ■ 3

Q6
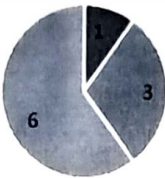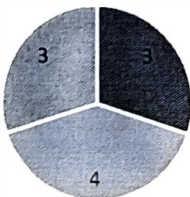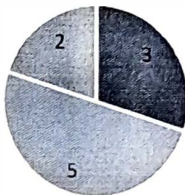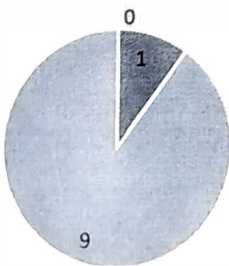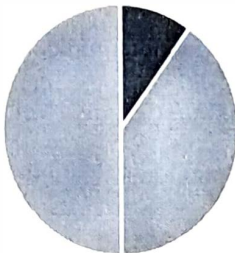
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Q7
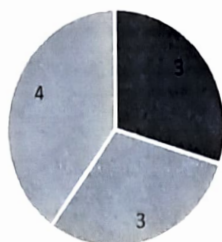
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Q8
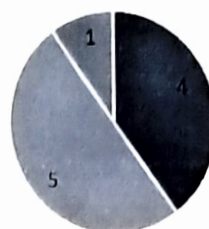
■ 1 ■ 2 ■ 3

Note: 2019-20 Student feedback

Q1 The curriculum encourages collaboration among the students through group assignments, discussions, or projects.

Q2 Efforts made by the institute/teachers to inculcate soft skills, life skills and employability skills as part of the curriculum made you ready for the world of work.

Q3 Whether the institution is practicing latest Teaching and learning methodologies?

Q4 Whether the Institute supports and contributes for overall development of students?

Q5 Practical project work in the curriculum helps in faster understanding of the theoretical concepts.

Q6 Your involvement in academic council meeting of the institution

Q7 Does the curriculum foster a startup/entrepreneurship mindset

Q8 Whether the institute involves alumni in conducting program specific Industrial visits??

FACULTY FEEDBACK ANALYSIS 2019-20

Q1

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4
6

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Q2

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4
6

■ 1 ■ 2 ■ 3 ■ 4

Q3

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1
5
4

■ 1 ■ 2 ■ 3 ■ 4

Q4

0
2
2
6

■ 1 ■ 2 ■ 3 ■ 4

Q5

0
1
4
5

■ 1 ■ 2 ■ 3 ■ 4

Q6

0 0
3
7

■ 1 ■ 2 ■ 3 ■ 4

Q7

0

2

4

4

■ 1 ▪ 2 ▪ 3 ▪ 4

Q8

0

2

0

8

■ 1 ▪ 2 ▪ 3 ▪ 4

Note: 2019-20 Faculty feedback

Q1 The curriculum encourages collaboration among the students through group assignments, discussions, or projects.

Q2 Institution is practicing latest teaching and learning methodologies in syllabus delivery?

Q3. The curriculum encourages collaborations among the students through group assignments, discussions or projects

Q4. The institution/curriculum provides multiple opportunities to learn and grow

Q5 Usage of ICT tools such as LCD projector, Multimedia, etc. while teaching as per course curriculum

Q6. Availability of study material before and after the course

Q7. Is the curriculum is updated and in sync with the needs of today's job market?

Q8. Does the institution organize enough Industry internship/field-visit programmes?

ALUMNI FEEDBACK ANALYSIS 2019-20

Q1

0
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9

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Q2

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4

■ 1 ▣ 2 ▣ 3

Q3

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5   5

■ 1 ▣ 2 ▣ 3 ▣ 4

Q4

0 0
4
6

■ 1 ■ 2 ▣ 3 ▣ 4

Q5

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Q6

0

■ 1 ■ 2 ■ 3 ■ 4

Q7

0 0

■ 1 ■ 2 ■ 3 ■ 4

Q8

0
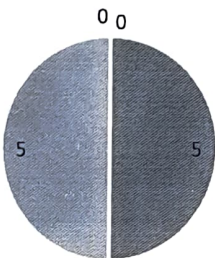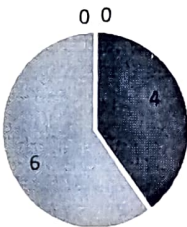
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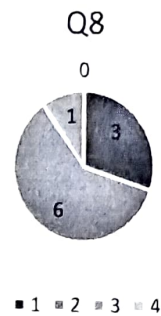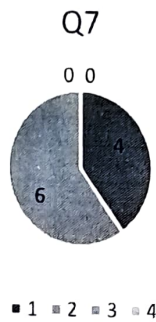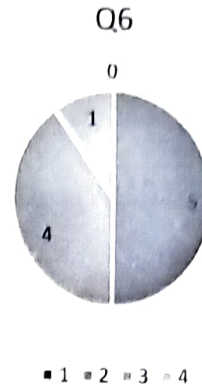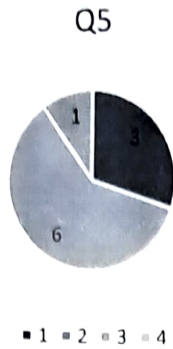
Note: 2019-20 Alumni feedback

Q1 The curriculum encourages collaboration among the students through group assignments, discussions, or projects.

Q2 Efforts made by the institute/teachers to inculcate soft skills, life skills and employability skills as part of the curriculum made you ready for the world of work.

Q3 Whether the institution is practicing latest Teaching and learning methodologies?

Q4 Whether the Institute supports and contributes for overall development of students?

Q5 Practical project work in the curriculum helps in faster understanding of the theoretical concepts.

Q6 Your involvement in academic council meeting of the institution

Q7 Does the curriculum foster a startup/entrepreneurship mindset

Q8 Whether the institute involves alumni in conducting program specific Industrial visits?

FEEDBACK ANALYSIS EMPLOYERS 2019- 20

Q1

■ 1 ■ 2 ■ 3 ■ 4

Q2

■ 1 ■ 2 ■ 3 ■ 4

Q3

■ 1 ■ 2 ■ 3 ■ 4

Q4

■ 1 ■ 2 ■ 3 ■ 4

Q5

■ 1 ■ 2 ■ 3 ■ 4

Q6

■ 1 ■ 2 ■ 3 ■ 4

Q7

0

2

5

8

■ 1 ■ 2 ■ 3 ▫ 4

Q8

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2

2

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Q9

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1

6

8

■ 1 ■ 2 ■ 3 ▫ 4

Q 10

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2

3

10
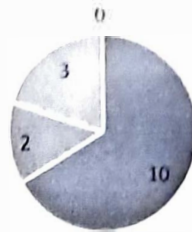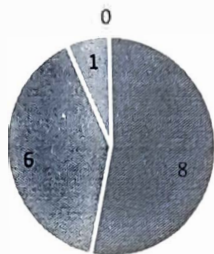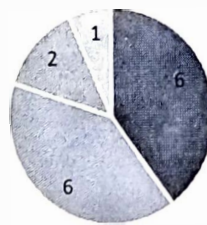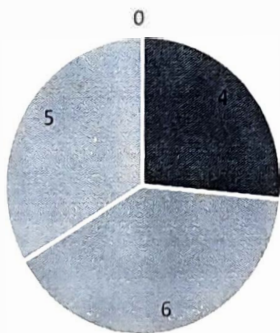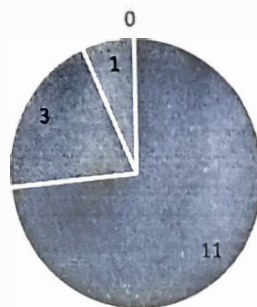
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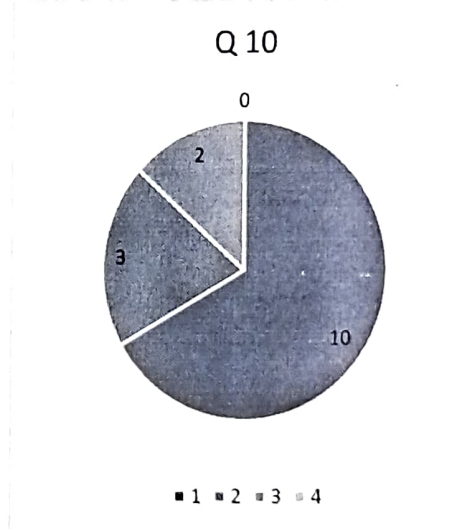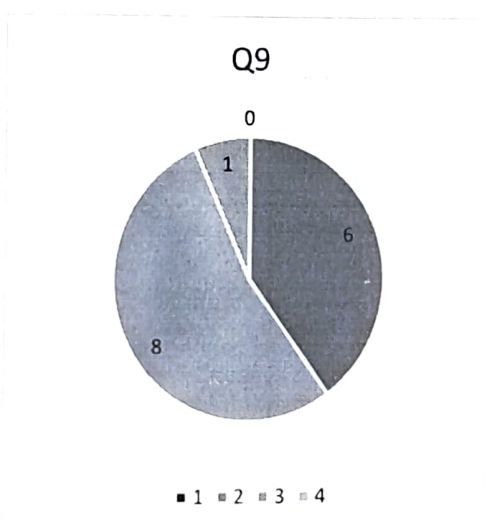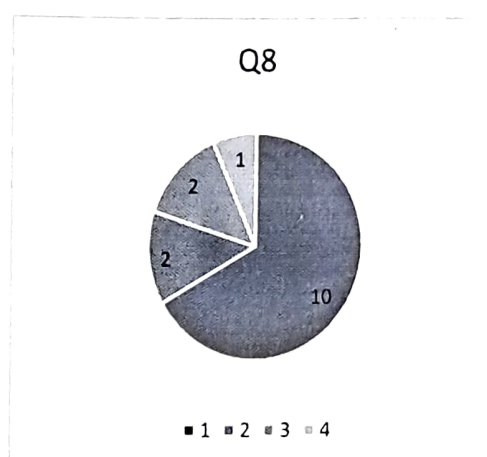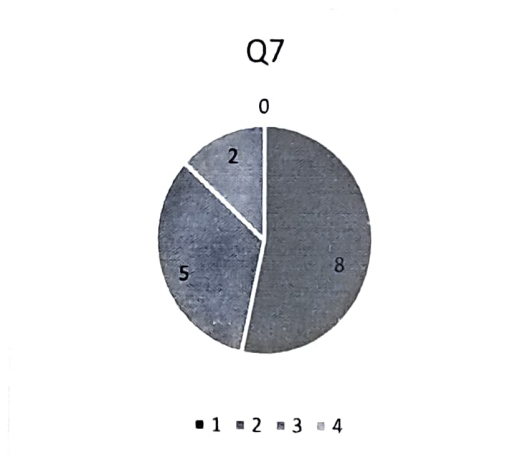
Note: 2019-20 Employer feedback

Q1 How would you rate the graduates' theoretical knowledge in relation to the demands of your industry?

Q2 Please rate the graduates' practical skills and their applicability to your workplace.

Q3 How well did the graduates communicate (both written and verbal) in a professional setting?

Q4 Rate the graduates' problem-solving abilities when faced with challenges in your workplace.

Q5 How would you rate the adaptability of the graduates to new technologies or methodologies within your industry?

Q6 Rate the graduates' teamwork and collaborative skills demonstrated in your organization.

Q7 Please rate the overall professionalism and work ethic displayed by the graduates.

Q8 How well did the graduates' education prepare them for the realities of your industry?

Q9 Rate the graduates' ability to innovate and think creatively in your workplace.

Q10 Would you recommend hiring more graduates from our institution to other employers in your industry?

Dayananda Sagar University
School of commerce and Management Studies
Structures feedback for Design and Review of syllabus-Alumni-2019-2020

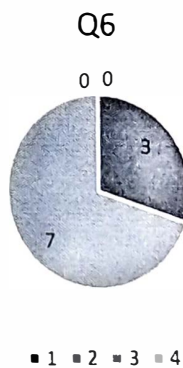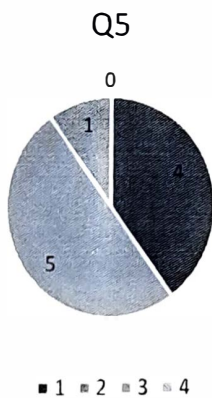| Sl. No	Particulars	Excellent	Good	Average	Poor
1	The curriculum encourages collaboration among the students through group assignments, discussions, or projects.	✓			
2	Efforts made by the institute/teachers to inculcate soft skills, life skills and employability skills as part of the curriculum made you ready for the world of work.	✓			
3	Whether the institution is practicing latest Teaching and learning methodologies?	✓			
4	Whether the Institute supports and contributes for overall development of students?	✓			
5	Practical project work in the curriculum helps in faster understanding of the theoretical concepts.	✓			
6	Your involvement in academic council meeting of the institution	✓			
7	Does the curriculum foster a startup/entrepreneurship mindset	✓	✓		
8	Whether the institute involves alumni in conducting program specific Industrial visits??		✓		

Any other suggestions (what can be done to improve curriculum/ syllabus)

Foreign languages to be introduced.

CMS16BBO047

Name of the Alumni: Rohit Raj   Department: SCMS

CMSHB0013

Dayananda Sagar University
School of commerce and Management Studies
Structures feedback for Design and Review of syllabus-Alumni -2019-20

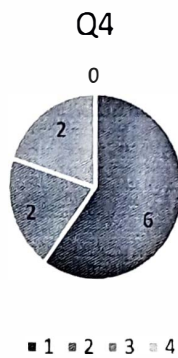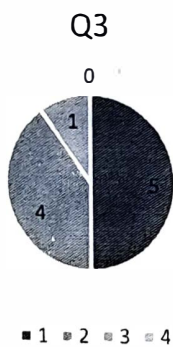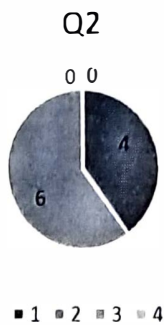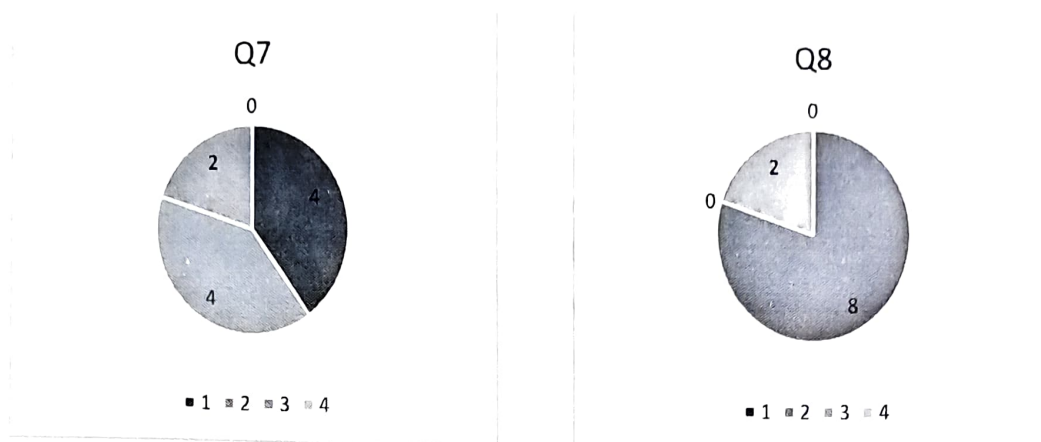| Sl. No	Particulars	Excellent	Good	Average	Poor
1	The curriculum encourages collaboration among the students through group assignments, discussions, or projects.	✓			
2	Efforts made by the institute/teachers to inculcate soft skills, life skills and employability skills as part of the curriculum made you ready for the world of work.		✓		
3	Whether the institution is practicing latest Teaching and learning methodologies?		✓		
4	Whether the Institute supports and contributes for overall development of students?	✓			
5	Practical project work in the curriculum helps in faster understanding of the theoretical concepts.	✓			
6	Your involvement in academic council meeting of the institution	✓			
7	Does the curriculum foster a startup/entrepreneurship mindset		✓		
8	Whether the institute involves alumni in conducting program specific Industrial visits??		✓		

Any other suggestions (what can be done to improve curriculum/ syllabus)

Focus on kannada to be made compulsory

Name of the Alumni: SANJAY -H   Department: SCMS

Dayananda Sagar University
School of commerce and Management Studies
Structures feedback for Design and Review of syllabus-Student-2019-20

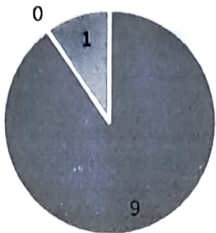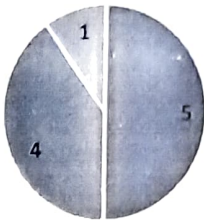| Sl. No	Particulars	Excellent	Good	Average	Poor
1	The curriculum encourages collaboration among the students through group assignments, discussions, or projects.	✓			
2	institution is practicing latest teaching and learning methodologies in syllabus delivery?		✓		
3	The curriculum encourages collaborations among the students through group assignments, discussions or projects	✓			
4	The institution/curriculum provides multiple opportunities to learn and grow			✓	
5	Usage of ICT tools such as LCD projector, Multimedia, etc. while teaching as per course curriculum	✓			
6	Availability of study material before and after the course		✓		
7	Is the curriculum is updated and in sync with the needs of today's job market?	✓			
8	Does the institution organize enough Industry internship/field-visit programmes?		✓		

Any other suggestions (what can be done to improve curriculum/ syllabus)

To introduce MS office & excel.

Name of the Student: NUTHAN. S.   **Department:** SCMS

Dayananda Sagar University
School of commerce and Management Studies
Structures feedback for Design and Review of syllabus-Student-2019-2020

Sl. No	Particulars	Excellent	Good	Average	Poor
1	The curriculum encourages collaboration among the students through group assignments, discussions, or projects.	✓		✓	
2	institution is practicing latest teaching and learning methodologies in syllabus delivery?		✓		
3	The curriculum encourages collaborations among the students through group assignments, discussions or projects	✓	✓		
4	The institution/curriculum provides multiple opportunities to learn and grow			✓	
5	Usage of ICT tools such as LCD projector, Multimedia, etc. while teaching as per course curriculum	✓			
6	Availability of study material before and after the course		✓		
7	Is the curriculum is updated and in sync with the needs of today's job market?	✓			
8	Does the institution organize enough Industry internship/field-visit programmes?			✓	

Any other suggestions (what can be done to improve curriculum/ syllabus)

Introduce hands on training.

Name of the Student: Aman Surya   **Department:** SCMS

Dayananda Sagar University
School of commerce and Management Studies
Structures feedback for Design and Review of syllabus-Teachers-2019-2020

SL No	Particulars	Excellent	Good	Average	Poor
1	The teaching methodology and mentoring process within the institution support the development of cognitive, social and emotional growth.	✓			
2	The institute actively engages in promoting internships, student opportunities, and field visits to support student development.	✓			
3	The curriculum fosters student collaboration through group assignments, discussions, and projects.	✓			
4	The institute encourages faculty involvement in academic and examination matters within the university.	✓			
5	Does the curriculum prioritize career orientation and emphasize employability and skill development?	✓			
6	The effectiveness of the course curriculum is gauged by its ability to prompt original thinking in students.	✓			
7	The curriculum promotes a culture of research among students	✓			
8	The course curriculum incorporates the use of ICT tools like LCD projectors, multimedia, etc., for teaching purposes.	✓			

Any other suggestions (what can be done to improve curriculum/ syllabus)

Encouraging to Participate Seminar, Wreesh and Conference.

Name of the faculty: Eji Nayan

Department: SCMS

Dayananda Sagar University
School of commerce and Management Studies
Structures feedback for Design and Review of syllabus-Teachers-2019-2020

SL No	Particulars	Excellent	Good	Average	Poor
1	The teaching methodology and mentoring process within the institution support the development of cognitive, social, and emotional growth.		✓		
2	The institute actively engages in promoting internships, student opportunities, and field visits to support student development.	✓			
3	The curriculum fosters student collaboration through group assignments, discussions, and projects.		✓		
4	The institute encourages faculty involvement in academic and examination matters within the university.	✓			
5	Does the curriculum prioritize career orientation and emphasize employability and skill development?		✓		
6	The effectiveness of the course curriculum is gauged by its ability to prompt original thinking in students.			✓	
7	The curriculum promotes a culture of research among students			✓	
8	The course curriculum incorporates the use of ICT tools like LCD projectors, multimedia, etc., for teaching purposes.	✓			

Any other suggestions (what can be done to improve curriculum/ syllabus)

Research Guidance for students

Name of the Faculty: Dr. Chandrakala S

Department: SCMS

FEEDBACK LETTER

Date: 16 January 2019

I am writing to provide feedback on the current program structure of the undergraduate programs offered by the School of Commerce and Management Studies offered by Dayananda Sagar University. I appreciate the efforts and commitment towards skill development and aligning the curriculum with industry standards.

While reviewing the program structure, I would like to suggest the inclusion of Digital Marketing as an elective. In the rapidly evolving landscape of business and commerce, digital marketing has emerged as a crucial skillset that students should possess to thrive in the modern professional world. Here are a few reasons supporting this suggestion:

- Industry Relevance: Digital marketing is now an integral part of every business's strategy, making it essential for students to grasp the principles and practices associated with online marketing.
- Career Opportunities: Including digital marketing as an elective will expose students to a range of career opportunities in the digital space, such as social media management, content marketing, SEO, and digital analytics.
- Practical Application: Digital marketing courses provide practical, hands-on experience, allowing students to apply theoretical concepts in real-world scenarios. This aligns with the committee's focus on skill development

I believe that introducing Digital Marketing as an elective will complement the existing program structure, providing students with a well-rounded skillset that is highly relevant in today's business environment.

I appreciate your consideration of this suggestion and would be happy to discuss this further if needed. Thank you for your time and dedication to continually enhancing the academic experience.

For CareerLabs Technologies Pvt Ltd.

Authorised Signatory

17 JANUARY 2019

Feed Back Letter

I hope this communication finds you well. I am writing to share a suggestion that I believe will contribute significantly to the holistic development of students in the School of Commerce and Management Studies.

Firstly, I commend the university's commitment to providing a comprehensive education that aligns with industry standards. The current curriculum reflects a strong emphasis on academic excellence and skill development, which is commendable.

However, I would like to propose the inclusion of a dedicated subject on "Personality Development" in the curriculum. Personality development plays a pivotal role in shaping individuals into well-rounded professionals

I believe that by incorporating a personality development subject into the curriculum, Dayananda Sagar University will not only provide students with a well-rounded education but also equip them with the essential life skills needed for a successful and fulfilling career.

I appreciate your consideration of this suggestion and look forward to witnessing the positive impact it can have on the students' overall development.

Thank you for your dedication to excellence in education.

Spandan Suresh
Chief Operating Officer

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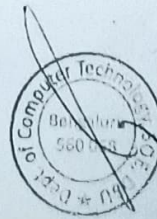
Chairperson
Dept. of Computer Science & Technology
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru-560 114.

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.

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Bengaluru-560114.

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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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- 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'.

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5

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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	Pramod T C

6

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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	
o Problem Based Learning	Completed
o Role Playing	Completed
o Group techniques to create new ideas	Completed
o Business plan overview	Completed
• Strengthening of above concepts by means of following	
o Meeting with Entrepreneurs	Completed
o Case Studies with discussions	Completed
o Study of 'Live' entrepreneurial cases	Completed
o 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 7th and 8th 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

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Dayananda Sagar University

live the dream

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.)

Chairperson
Dept. of Computer Science & Technology
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Bengaluru-560 114.

| 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.

Registrar
Dr. Puttamadappa/C.02
Registrar
Dayananda Sagar University
Bangalore

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

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

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 Aluminus
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
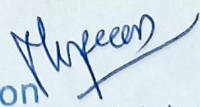
Agenda

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 -

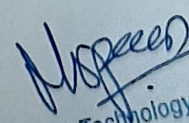| Agenda	Decisions/Resolutions/Recommendations
1	CST will follow same scheme and syllabus as that of CSE Dept. for semesters I - IV for the 2019-20 - **Accepted**
2	CST Dept. will continue to follow the 2016-17 approved scheme and syllabus for the existing 2017-18 and 2018-19 - **Approved**
3	Approval 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**

Chairperson

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

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

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

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

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
    Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship
    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
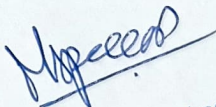
📄 **CST-Innovation and Intrapreneurship Track-V-VIII.pdf**
409K

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

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533K

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

Specialization in Technology Entrepreneurship.pdf
367K

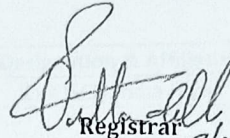**Table-Innovation & Intrapreneurship Track Vs. Technology Entrepreneurship Track.pdf**
161K

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Dayananda Sagar
University

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

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@dsu.edu.in>
Cc: Nagaraj Kulkarni <Nagaraj.Kulkarni@compegence.com>, Neerav Joshipura <n_k_joshipura@hotmail.com>, dean-research@dsu.edu.in, Chairman CSE <chairman-cse@dsu.edu.in>, "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>

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@dsu.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/>*
>>
>> *Business Acumen, Process, Data and Domain driven "Information
>> Advantage"*
>>
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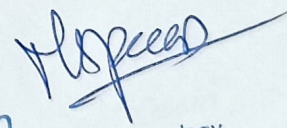
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Bengaluru-560 114.

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

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

Mon, Jul 27, 2020 at 8:42 PM

NC Sriraman <ncsriraman@gmail.com>
To: Chairman-CST <chairman-ct@dsu.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@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>

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]

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

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

Mon, Jul 27, 2020 at 7:59 PM

Vinod S <svinod3@gmail.com>
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:

[text hidden]

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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@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, 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 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.

Regards
Manjunath T N
[Quoted text hidden]

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

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.
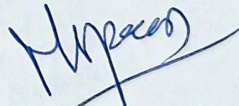
My suggestion's:

1.Connecting technology for 4 year's with innovation with attached syllabus

2. We need to execute the attached syllabus with kpi strategy .

~~ks,
~~katesh .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

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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]

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

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

Mon, Jul 27, 2020 at 10:53 AM

Neerav Joshipura <n_k_joshipura@hotmail.com>
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]

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

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.
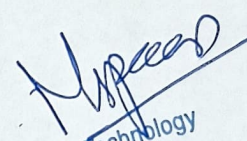
Regards,

Nagaraj

Nagaraj Kulkarni, **COMPE*GENCE***
+91-99805-40426 www.compegence.com

Business Acumen, Process, Data and Domain driven "Information Advantage"

[Quoted text hidden]

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Period	FEEDBACK	ACTION TAKEN
2020-21	Include other chapter on Finance, Funding and Growth Strategies as part of the Technology Entrepreneurship Stream. Execute the attached syllabus and show results.	- 2019-20 Curriculum was restructured - Four streams were introduced in curricula. They are: - Information and Communication Technology - Distributed Ledger Technology - Immersive Technology - IoT Tools & Technologies. Student Start-ups results demonstrated on April 21, 2021

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

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

Sl. No.	Startup Name	URI	Started In (Month/Year)	Revenue (Approx.)	Company Registration	Incubated?
1	Greenspherro Work		August 2020 August 2020	INK 14,05,000/- INK		AIC-DSU
2	Penproject		January 2020	1,20,000/-	Process Initiated Awaiting Approval	(Enclosed Sample Incubation Offer Letter to Students)
3	Spotless		February 2021			
4	Drift		August 2020			
5	droof Cargo		October 2020			
6	Connect		September 2020			

Department of Computer Science & Technology
School of Engineering
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Table - Teacher Feedback and Action Taken Report

FEEDBACK	ACTION TAKEN
Case-Study Approach may be introduced	Case-Study assignments were given to students. This helped them to acquire problem-solving skills. Group assignments and projects were given to students. Students were encouraged to carry out interdepartmental projects

Table - Student Feedback and Action Taken Report

FEEDBACK	ACTION TAKEN
Students suggested the need for MooCs as part of their project-work and assignments.	Students were made to upskill using free resources from IBM CognitiveClass.AI. They were also encouraged to participate in other Student Development Programs

Chairman,
rtment of Computer Tech
of Engineering,
nda Sagar University
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GALURU - 560 068.

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Bengaluru - 560 114.

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 and program structure which includes Choice Based Credit System (CBCS) / elective course system (ECS) implementation details.
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 wereable to make some progress on their Startup during their sixth semester. NEP 2020guidelines including Choice Based Credit System (CBCS) / elective course system (ECS) implementation details.	

Final Decisions/Resolutions/Recommendations -

Agenda	Decisions/Resolutions/Recommendations
1	CST will branch out in 3rd semester from 2020-21 - **Accepted**
2	Implementation of NEP guidelines includes program structure and new elective subjects - **Accepted**

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

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

Signature of Chairman of BOS with Date

Dayananda Sagar University

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

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

Chairman-CST <chairman-ct@dsu.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@dsu.edu.in>, Dean Research <dean-research@dsu.edu.in>, Chairman CSE <chairman-cse@dsu.edu.in>, Chairman Physics <chairman-phy@dsu.edu.in>, prof vkm <profvkm@dsu.edu.in>, Prof Aravind Srinivas <aravind.srinikoppa@dsu.edu.in>, vinykani.kumar@gmail.com, Vinod S <svinod3@gmail.com>, Janardhan Dsi <Janardhan.dsi@gmail.com>
Cc: Kavya Alse <kavya-ct@dsu.edu.in>, Ramandeep Kaur <ramandeep-ct@dsu.edu.in>, Jyoti Angadi Angadi <jyotiangadi-ct@dsu.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.talenttango.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. Program structure which includes the credits and the elective offering during the upcoming academic year

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

--
Regards,
Chairman-CST

7 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

Program Structure .xlsx
74K

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University

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

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 startups 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.

- w.r.to Program structure provided for the upcoming semester looks fine with the credits for each course and elective list offering for the students looks fine.

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@softnenterpise.com

www.softnenterprise.com

Ph. 998 000 5198 / 78925 86612

[Quoted text hidden]

Dayananda Sagar University

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

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

Dr.Manjunath T N ISE <manju.tn@bmsit.in>   Thu, May 6, 2021 at 8:19 PM
To: Chairman-CST <chairman-ct@dsu.edu.in>

Dear Chairman-CST,

Good Evening.

The Proposed Tracks - Innovation and Intrapreneurship & Technology Entrepreneurship (Updated) and program structure 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]

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

VISION:

Emerge as centre of learning in the field of information science & engineering with technical competency to serve the society.

MISSION:

To provide excellent learning environment through balanced curriculum, Best teaching methods, innovation, mentoring and industry institute interaction.

"I Touch the Future, I Teach"

"Success doesn't just come and find you, you have to go out and get it "

Dayananda Sagar
University

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

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]

Dayananda Sagar University

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

Ishwar Sundararaman <ishwar@unsolved.xyz>   Mon, May 10, 2021 at 1:32 PM
To: Chairman-CST <chairman-ct@dsu.edu.in>

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]

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & TECHNOLOGY

Action Taken Report

Suggestion Given	Action Taken
Entrepreneurship should have stronger technology focus and lesser focus on Financials.	Included an entrepreneurship course, as well as scheduled guest lectures, seminars, and workshops to raise students' awareness and encourage them to sign up for the start
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.	Planned guest lectures, seminars, and workshops.
Subjects related to funding mechanism and finance management	Planned to include for next Academic Year
Under Technology strategy course Management's view of technology need to be captured. Measuring Return on Investment (RoI) is important. These details should be added as part of their learning	Included in the syllabus
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 startups that have closed the shop and help with analysis of failure?	Planned to have filed trips as part of course to learn more on success as well as failures w.r.t to startups
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.	Already include few as part of core and elective .

Chairperson
Dept. of Computer Science & Techno
School of Engineering
Dayananda Sagar Univers
Kudlu Gate, Hosur Main Ro
Bengaluru-560 114.

DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Dept. of Aerospace Engineering

BOS meeting – Action taken

18 – July - 2020

Sl. No	Name of the course	Comments/ Feedbacks made by BOS members	Action taken	Remarks
1.	Introduction to Aerospace Engineering	1. Title typo error 2. Title of module 3 to be changed	1. Changed / Rectified 2. Title changed as suggested	
2.	Thermodynamics	1. Topics of pure substances can be retained 2. Few topics on heat transfer can be eliminated in order to retain pure substances 3. Separate course on heat transfer can be proposed	1. Retained as suggested 2. Basics of heat transfer are retained to provide the basic knowledge to students. Few other topics of thermodynamics are planned for self-study in order to balance the additional load 3. To be proposed as a sixth semester elective	
3.	Fluid Mechanics	1. Topics related to submerged bodies can be eliminated 2. Turbulence related topics to be retained 3. Module related to turbulence can be planned for more lecture hours	1. Submerged bodies topics in module 1 are eliminated 2. Topics relating Turbulent boundary layer and RANS model are retained	

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

			3. Number of lecture hours are altered according to the contents	
4.	Composites lab	Have the students been exposed to Composites already?	III sem students do have a course on aerospace materials which also includes the concepts of composite materials and its manufacturing procedures	
5.	Flight Physics Lab	Prerequisite for Flight Physics Lab	IV semester students undergo a course on aerodynamics I which serves as a prerequisite for flight physics lab	
6.	General comments	1. Course codes are missing 2. Elective subjects to be included 3. No of lecture hours and credits to be balanced	1. Codes for III semester subjects (new scheme) and Electives are yet to be allotted 2. Program Electives are included in the syllabus 3. Corrective measures taken on no. of lecture hours and credits	

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

DAYANANDA SAGAR UNIVERSITY

DEPARTMENT OF AEROSPACE ENGINEERING

Action taken report on feedback received from students and Faculty on the Curricula and syllabi

The summarized feedback on the Curricula and syllabi received during 2021-22 as listed below and the respective actions proposed for the same in various areas to be translated to changes in the curriculum (content) and pedagogy (delivery methods) to better meet the aspirations and expectations in line with the program outcomes. The points below were discussed in BOS Meeting

I. There is a need for professional electives that match industry expectations to improve the employability. In particular, students expect to be ready for attending interviews with good overall understanding of current aerospace industry including the installation, maintenance and operational aspects of commercial aircraft. Keeping these in mind it is suggested that the current elective on Technical Publication by Capgemini be moved from the 8th Semester to the 7th Semester. Through this, the knowledge so acquired will be readily relevant to appear for core industry job positions.

II. There was an opinion that a more formal coverage of airworthiness is needed with respect to understanding the different sections applicable and so forth. Towards this, it is proposed that the coverage in the course designed by Capgemini be leveraged to bridge this gap.

III. Faculty felt that Aircraft Design is a generic subject that all our graduations would benefit from. In line with this thinking, it is proposed that Aircraft Design be moved from being a 7th Semester elective to become a 5th Semester Core Course. By appreciating the nuances of how various mission profiles, aircraft configurations and design of systems are integrated,

the students will acquire a better overall understanding of the application of the core subjects being covered.

IV. Based on the trends of mini projects, it was noticed that many opportunities are emerging in areas that draw upon a preliminary understanding of avionics. Many students are choosing to execute projects involving a good amount of electronics, controls, data acquisition, sensors and electrical and computational devices. Keeping this in mind, it is proposed to move the Avionics core course from 7th Semester to the 5th Semester itself so that they get a better practical knowledge of design and working such systems.

V. The faculty felt that in current form the structures coverage has some repetitions in terms of the material properties, stress strain, Uniaxial tension test etc. At the same time, there is an opportunity to provide better coverage in some topics like combined loading situation. With these in mind, it is proposed to revise the syllabi of structural courses in the 3rd and 4th Semester to address these gaps.

VI. There is a need to have more choice-based electives and flexible learning. With this in mind, it is proposed to have NPTEL based electives as an option available to students not just in the final year, but from the earlier semesters as well.

Chairman

Department of Aerospace Engineering

Chairman
Dept of Aerospace Engineering
School of Engineering
Dayananda Sagar University
Kudlu Gate, Bengaluru

Forwarded to BoS for further discussions in the upcoming meet

Department of Computer Application

BOS Meeting Held on 24-06-2021

Proceedings of the Meeting

Members Present :

i)	Dr. Manjunath M B	Member	Cu 6 Co5/L
ii)	Dr. M K Banga	Member	
iii)	Dr. Sanjay Chitnis	Member	
iv)	Dr. Vasanthi Kumari P	Chairman	

Points Discussed and Observations:

i) Deliberated on the scheme of the Core courses of 3 year BCA Programme for Regulations 2021

    a. The members were given the details of the draft Syllabus of I and II semesters BCA Programme in the scheme. The members suggested changes in the draft scheme and syllabus.

    b. Members have suggested to follow the NEP and make the 4 year BCA degree with the students willing to leave the programme at the end of the following years as:

- First year end will be awarded with a certificate as completed the courses in the I and II semester.
- Second year end will be awarded with a Diploma certificate in BCA
- Third year end with the Degree in BCA
- Fourth year where students go through the different course verticals will be awarded with the BCA degree with Hons

    c. Members felt that the challenge of the BCA course and the syllabus must be designed for the current technology which will go along with the placement of students. They also suggested the core and elective areas for placements such as Big Data and Data Science, Full Stack development, Computational intelligence and cloud computing.

    d. The department electives were discussed and finalized.

    e. The I, II and III semester of BCA will have the compulsory core courses.

    f. The IV semester of BCA will have one departmental elective, V and VI semesters of BCA will have two departmental electives where the students can select the electives out of options given.

    g. The syllabi of all the core courses and the Labs were presented one after another.

a. The members were given the details of the draft syllabus of III and IV semesters of BCA incorporated in the scheme. The members suggested changes in the draft syllabus.

b. The members were given the details of the draft syllabus of V and VI semesters of BCA incorporated in the scheme. The members suggested changes in the draft syllabus.

c. Members felt that the challenge of the BCA course and the syllabus must be designed for the current technology which will go along with th

d. e placement of students. They also suggested the two core areas for placements are the mobile technology and cloud computing.

e. The syllabi of all the core courses and the Labs were presented one after another.

f. Members proposed that the Agile process text book should be added to "Software engineering" course.

g. Members suggested to include the elective "Blockchain technologies".

h. Members suggested to include the vertical courses such as Full Stack development, System/Network Administration with cloud computing and Enterprise Computing with IOT and Data Analytics in the 4th year.

iii) Members suggested and recommended to encourage students with sound theoretical background to take up projects in Industry.

iv) Action Taken on Feedback Analysis: The feedback collected from students, Alumni have given positive feedback and it was suggested to include more advanced technologies in the curriculum. In the forthcoming syllabus we are planning to add more advanced technologies will be incorporated in the curriculum.

Decisions taken :

i) The modified syllabi of the courses in I and II Semesters of BCA were approved. This will be circulated among the members for their concurrence. Details are in Annexure – I.

ii) The modified syllabi of the courses in III, IV, V and IV Semesters of BCA were approved. This will be circulated among the members for their concurrence. Details are in Annexure – I.

iii) With reference to the 2020 BOS feedback analysis decided to include the vertical courses such as Full Stack development, System/Network Administration with cloud computing and Enterprise Computing with IOT and Data Analytics in the 4th year of study. Details are in Annexure – I.

(Dr. Vasanthi Kumari P)
Chairman,

BoS in Computer Applications
Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
Kudlu Gate, Hosur Main Road
Bangalore – 560114
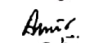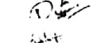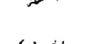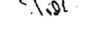
Department of Computer Application

BOS Meeting Held on 07-11-2016

Proceedings of the Meeting

Members Present :

i)	Dr. M K Banga	Member	
ii)	Dr. Anirban Basu	Member	
iii)	Dr. P S Ram Kumar	Member	
iv)	Dr. Shaila S G	Member	
v)	Dr. Prakash	Member	
vi)	Dr. Vasanthi Kumari P	Chairman	

Points Discussed and Observations:

i) Deliberated on the scheme of the Core courses of BCA in Computer Applications

a. The members were given the details of the draft syllabus of III and IV semesters of BCA incorporated in the scheme. The members suggested changes in the draft syllabus.

b. Members felt that the challenge of the BCA course and the syllabus must be designed for the current technology which will go along with the placement of students. They also suggested the two core areas for placements are the mobile technology and cloud computing.

c. Some Departmental Electives were identified for deletion and new ones were proposed such as Database Administrator, System Administrator, Network Administrator and Web Administrator.

d. The syllabi of all the core courses and the Labs were presented one after another.

e. Members proposed that the III Semester Core course "Computer Networks" must incorporate topics with ITL gates, routers, Client/Server, subnet masking, WAN, WLAN, VPN, Virtual LAN and case studies.

f. Members proposed that the III Semester Core course "Human Computer Interface" and "Software Engineering" syllabus must be reduced and include more tools with implementation.

g. Members proposed that the III Semester Core course "Numerical Methods" must incorporate with the computer implementation.

h. Members proposed that the III Semester Core course "Operating System" must include a particular OS and also implementation of deadlock, multicore applications and tools of API.

i. Members proposed that the III Semester Core course "Analysis and Design of Algorithms" must include more programming concepts such estimation of computational complexities.

j. Members proposed that the IV Semester Core course "Object Oriented Analysis and Design" must incorporate the implementation with tools.

k. Members proposed that the IV Semester Core course "Database Systems" must incorporate unstructured database, examples, stored procedures and libraries, scripts for database recovery.

l. Members proposed that the IV Semester Core course "Software Testing" must incorporate advanced tools for testing.

ii) Chairman and members suggested and recommended to encourage students with sound theoretical background to take up projects in Industry.

Decisions taken :

i) The modified syllabi of the courses in III and IV Semesters of BCA were approved. This will be circulated among the members for their concurrence. Details are in Annexure – I.

ii) Decided to drop the electives i) Statistical Modelling using R and ii) Advanced Operating Systems and combine the electives 3D Multimedia, Animation and Gaming into a single elective course.

iii) Decided to include new electives i) Database Administration, ii) Systems Administration and iii) Network Administration in the 4th and 5th semesters of BCA program. Details are in Annexure – I.

(Dr. Vasanthi Kumari P)
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Chairperson
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DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, BANGALORE- 560068

Department of Computer Application

BOS Meeting Held on 22-01-2018

Proceedings of the Meeting

Members Present :

i)	Dr. M K Banga	Member	
ii)	Dr. Shaila S G	Member	
iii)	Dr. Revathi V	Member	
iv)	Dr. Manjunath M B	Member	
v)	Dr. Vasanthi Kumari P	Chairman	

Points Discussed and Observations:

i) Deliberated on the scheme of the Core courses of BCA in Computer Applications

    a. The members were given the details of the draft syllabus of V and VI semesters of BCA incorporated in the scheme. The members suggested changes in the draft syllabus.

    b. Members felt that the challenge of the BCA course and the syllabus must be designed for the current technology which will go along with the placement of students. They also suggested the two core areas for placements are the mobile technology and cloud computing.

    c. Some Departmental Electives were identified for deletion and new ones were proposed such as Ethical Hacking, Cloud computing and Data Science.

    d. The syllabi of all the core courses and the Labs were presented one after another.

    e. Members proposed that the V Semester Core course "Information and Network Security" must incorporate case studies in Module 5.

    f. Members proposed that the V Semester Elective course "Big Data Analytics Using Hadoop" must include Python as the implementation tool.

    g. Members proposed that the VI Semester Elective course "Linux Open Source System" must incorporate python case studies in module 4.

ii) Chairman and members suggested and recommended to encourage students with sound theoretical background to take up projects in Industry.

iii) Action Taken on Feedback Analysis: The feedback collected from students, Alumni, Teachers and Employers have given positive feedback and it was suggested to include more advanced technologies in the curriculum. In the forthcoming syllabus we are planning to add more advanced technologies will be incorporated in the curriculum.

Decisions taken :

i) The modified syllabi of the courses in V and VI Semesters of BCA were approved. This will be circulated among the members for their concurrence. Details are in Annexure – I.

ii) Decided to drop the electives i) Data Mining & Warehousing ii) Cyber Forensics iii) SEO and Analytics and iv) Advanced Cryptography.

iii) With reference to the 2017 BOS feedback analysis decided to include new electives i)Data Science, ii) Cloud Computing and iii) Linux Open Source system in the 5th and 6th semesters of BCA program. Details are in Annexure – I.

(Dr. Vasanthi Kumari P)

Chairman,

BoS in Computer Applications

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
Kudlu Gate, Hosur Main Road
Bangalore – 560114

Department of Computer Application

BOS Meeting Held on 25-02-2019

Proceedings of the Meeting

Members Present :

i)	Dr. M K Banga	Member
ii)	Dr. Shaila S G	Member
iii)	Dr. Chandra Vaidyanathan	Member
iv)	Dr. Manjunath M B	Member
v)	Dr. Vasanthi Kumari P	Chairman

Points Discussed and Observations:

i) Deliberated on the scheme of the Core courses of BCA in Computer Applications

   a. The members were given the details of the draft syllabus of I and II semesters of BCA incorporated in the scheme. The members suggested changes in the draft syllabus.

   b. Members felt that the challenge of the BCA course and the syllabus must be designed for the current technology which will go along with the placement of students. They also suggested the three core areas for placements are the mobile technology, IOT and cloud computing.

   c. Some Departmental Electives were identified for deletion and new ones were proposed such as IOT, Ethical Hacking, Cloud computing and Data Science.

   d. The syllabi of all the core courses were presented one after another.

   e. Members proposed that the II Semester Core course "Mathematics-2" has a vast syllabus and suggested to remove the Module 5 and the remaining four modules were rescheduled to form five Modules.

   f. Members proposed that the II Semester Core course "Principles of Programming" to be renamed as "Object Oriented Programming using Java".

   g. Members proposed that the IV Semester Core course "Object Oriented Analysis and Design Using UML" to be renamed as "Object Oriented Analysis and Design Using Agile Approach".

   h. The IV semester course "Seminar" was replaced by "Minor Project".

   i. The V semester "Mini Project" was renamed as "Project Stage I" and the VI semester Project as "Project Stage II".

   j. Members proposed that the VI Semester Elective course must incorporate "IOT".

ii)   Chairman and members suggested and recommended to encourage students with sound theoretical background to take up projects in Industry.

iii)   Action Taken on Feedback Analysis: The feedback collected from students, Alumni, Teachers and Employers have given positive feedback and it was suggested to include more advanced technologies in the curriculum. In the forthcoming syllabus we are planning to add more advanced technologies will be incorporated in the curriculum.

Decisions taken:

i) The modified syllabi of the courses in I and II Semesters of BCA were approved. This will be circulated among the members for their concurrence. Details are in Annexure – I.

ii) Decided to drop the electives i) Advanced OS and ii) User Interface Design.

iii) With reference to the 2018 BOS feedback analysis decided to include new electives i) IOT and ii) UNIX Internals in the 4th semester of BCA program. Details are in Annexure – I.

iv) With reference to the 2018 BOS feedback analysis decided to include electives i) Computer Graphics and Multimedia and ii) Animations in the 5th and 6th semesters of BCA program respectively. Details are in Annexure – I

(Dr. Vasanthi Kumari P)
Chairman,
BoS in Computer Applications

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
Kudlu Gate, Hosur Main Road
Bangalore – 560114

Respected Sir

With reference to the subject, please find attached the following documents. For 1st MBBS (2021-22 batch) and for 2nd MBBS (2020-21 batch) :

However for 3rd MBBS we dont have a batch as our institution started in 2020 only and we do not have a 2019 batch.

Kindly peruse and advise

the following are the weblinks to:

Foundation course

https://cdsimer.edu.in/images/academics/2021-22/Foundation_course_compressed.pdf

Annual time table batch 2021-22

https://cdsimer.edu.in/images/academics/2021-22/Annual_TT_compressed.pdf

Time table batch 20-21 phase 2

2-Revised_-_MASTER_Phase_2_time_table_.pdf (cdsimer.edu.in)

Dr. Prashanth Kumar M,

Professor & Head

Department of Physiology,

Chairman (BOS), Coordinator (MEU) & Member (Curriculum Committee)

CDSIMER,

Bangalore.

ph- 9448015663

Dr. Prashanth Kumar M,
Vice-Principal,
Professor & Head of Physiology,
Chairman (BOS), Coordinator (MEU) & Member (Curriculum Committee)
CDSIMER,
Bangalore.
ph- 9448015663

Syllabus -Physiology

Kindly provide your valuable feedback related to Course curriculum on a likert scale of 1-5 where
1- for strongly disagree
2- for disagree
3- for neutral
4- for Agree
5- for strongly Agree

Email *

kspdoc@gmail.com

Name *

Dr Prashanth K S

Year *

I Professional MBBS

1. Whether the objectives of the course is fulfilled *

1 ○

2 ○

3 ○

4 ○

5 ◉

2. Whether syllabus covered the basic concepts pertinent to first year of MBBS curriculum *

1 ( )

2 ( )

3 ( )

4 ( )

5 (◉)

3. Whether syllabus helped in depth understanding of concepts related to the subject *

1 . ( )

2 ( )

3 ( )

4 (◉)

5 ( )

4. Whether the practical aspects covered in the syllabus were relevant to the real time application *

1 ( )

2 ( )

3 ( )

4 (◉)

5 ( )

5. Whether the references books suggested in the syllabus module was helpful *

1 ( )

2 ( )

3 ( )

4 (●)

5 ( )

6. Whether the allocation of hours for each subject resulted in better learning experience *

1 ( )

2 ( )

3 (●)

4 ( )

5 ( )

7. Whether the quality of teaching process catered the needs of course *

1 ( )

2 ( )

3 (●)

4 ( )

5 ( )

Minutes of the meeting of BOS Pre-Clinical conducted on 27/12/2021

The Following Internal Members were present on site:

Dr. Prashanth Kumar M, Professor & HOD, Department of Physiology

Dr. Martin Lucas, Professor & HOD, Department of Anatomy

Dr. Shilpa H D, Professor & HOD, Department of Biochemistry

Dr. Veena C N, Associate Professor, Department of Physiology *(on leave)*

Points Discussed:

- The internal members of the BOS met to discuss the feedback provided by faculty members and students regarding the newly implemented CBME curriculum. Since the majority of the feedback is appreciative of the curriculum the same was noted and it will be communicated to the nodal centre.

- Enclosed is the Feedback from the Faculty Members and the Students.

Dr. Martin Lucas·A
Professor & HOD
Dept. of Anatomy

Dr. Prashanth Kumar M
Professor & HOD
Dept. of Physiology

Dr. Shilpa H D
Professor & HOD
·Dept. of Biochemistry

Faculty feedback on syllabus

Maximum faculty members agreed to the quality of teaching process catered the need of course. The allocation of hours for each subject resulted in better learning experience. The reference books suggested in the syllabus module was helpful. The practical aspects covered in the syllabus were relevant to real time application. The faculty members agreed the fact that syllabus helped in depth understanding of concepts related to subjects covered in the first year. The syllabus did cover the basic concepts pertinent to 1st year MBBS curriculum. The objectives of the course were fulfilled. Maximum of the faculty members agreed to the above-mentioned points.

Student feedback analysis on syllabus

63.7% of students agreed that objectives of the course were fulfilled.48.8% of students agreed to the fact that syllabus covered the basic concepts pertinent to 1st year MBBS curriculum. Maximum number of students thought that syllabus helped in depth understanding of concepts related to subjects covered in the first year.More than half the number of students anticipated that practical aspects covered in the syllabus were relevant to real time application. 60% of students found that the reference books suggested in the syllabus module were helpful. Students agreed that allocation of hours for each subject resulted in better learning experience. 61.3% of students claimed that quality of teaching process catered the need of course. The learning values (skills, analytical abilities, and knowledge) were obtained to satisfaction. 50% of students thought that there were ways for betterment of the curriculum.

Dr. CHANDRAMMA DAYANANDA SAGAR INSTITUTE OF MEDICAL EDUCATION AND RESEARCH

Devarakaggalahalli Post, Kanakapura Road, Ramananagara District

FACULTY FEEDFACK ON SYLLABUS

Faculty Feedback on Syllabus

whether the quality of teaching process catered the needs of course

whether the allocation of hours for each subject resulted in better learning experience

whether the reference books suggested in the syllabus module was helpful

whether the practical aspects covered in the syllabus were relevant to real time application

whether syllabus helped in depth understanding of concepts related to the subjects covered in first year

whether syllabus covered the basic concepts pertinent to 1st year of MBBS curriculum

whether the objectives of the course is fullfilled

0   2   4   6   8

■ Strongly Agree   ■ Agree   ■ Neutral   ■ Disagree   ■ Strongly disagree

Dr. CHANDRAMMA DAYANANDA SAGAR INSTITUTE OF MEDICAL EDUCATION AND RESEARCH

Devarakaggalahalli Post, Kanakapura Road, Ramananagara District

FACULTY FEEDFACK ON SYLLABUS

STUDENT FEEDBACK ON SYLLABUS
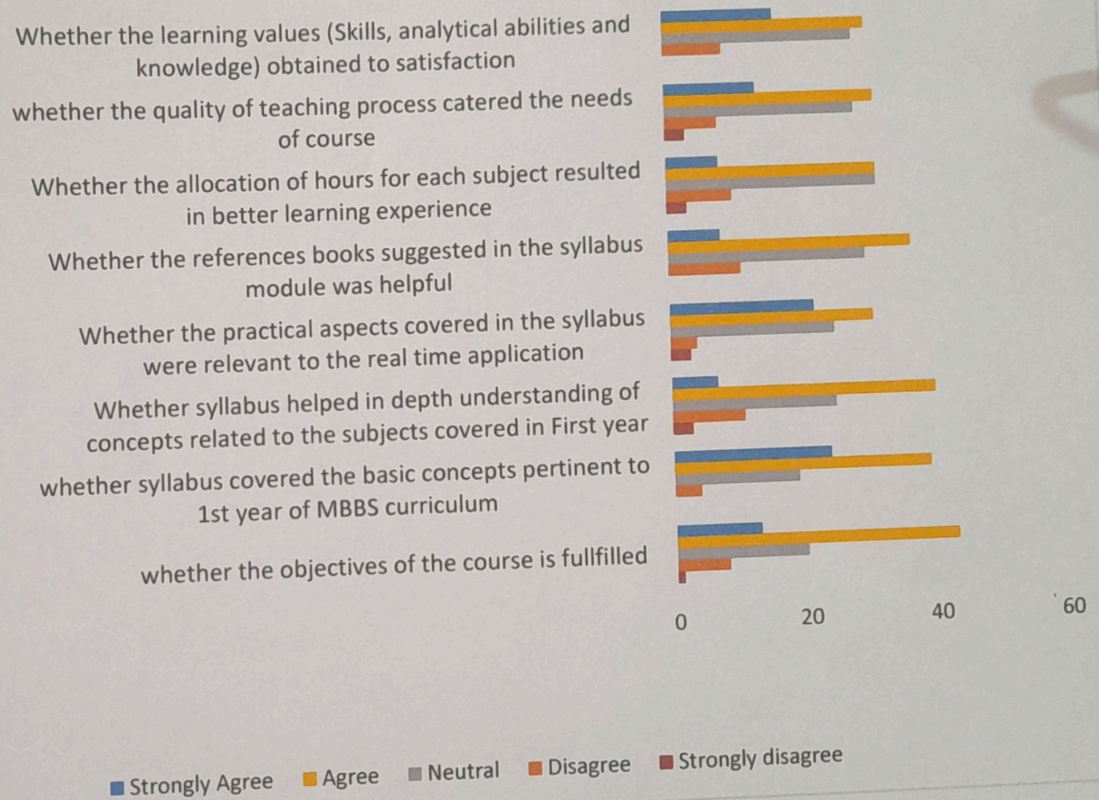
Whether the learning values (Skills, analytical abilities and knowledge) obtained to satisfaction

whether the quality of teaching process catered the needs of course

Whether the allocation of hours for each subject resulted in better learning experience

Whether the references books suggested in the syllabus module was helpful

Whether the practical aspects covered in the syllabus were relevant to the real time application

Whether syllabus helped in depth understanding of concepts related to the subjects covered in First year

whether syllabus covered the basic concepts pertinent to 1st year of MBBS curriculum

whether the objectives of the course is fullfilled

0   20   40   60

■ Strongly Agree   ■ Agree   ■ Neutral   ■ Disagree   ■ Strongly disagree

DAYANANDA SAGAR UNIVERSITY
College of Journalism and Mass Communication
Meeting of the Board of Studies

Date   : 13.01.2018

Venue   : Floor VI, Dental Block, DSU

Time   : 10.30 am

Members Present   Rakesh S. Katarey, Principal, Chairperson

Members/Invitees: Shri R. Janardhan, Dr. Leela Rao, Dr. Amjed Ahmed, Maya Chandra,
                              Krishna V., Muralidharan M., Renuka Phadnis and Meghana H. R.

Agenda Points:

1. Review of the course delivered so far
2. Introduction of the 50:50 evaluation scheme for grading
3. Discussion on alternative methods of internal assessment (Item UG 8.6.3. of CJMC Regulations)
4. Recommend syllabus and curriculum for the BAJMC III year (2016 batch)
5. Recommend syllabus and curriculum for BA (JMC) II year & III year of the 2017 batch
6. Placing and discussion of analysis of feedback collected and Action Taken Report.
7. Explore introduction of certificate courses
8. Inclusion of Kannada and Audit courses
9. Any other matter with the approval of the chair.

Proceedings:

Agenda point 1.
Review of the course delivered so far

- The Board of Studies for the BA Journalism and Mass Communication programme proposed by Dayananda Sagar University, Bengaluru, hereby places on record the following minutes of the decisions and observations made during the meeting:

- The Chairperson introduced and discussed the primary agenda of the meeting and called for a review and progress of the Bachelor of Arts Program in Journalism & Mass Communication so far. Appreciating the proposed Digital Media and Journalism course, members suggested expanding the digital thrust across courses, tuning them to the needs of the new and emerging digital media. The Chairperson sought the cooperation of members in redesigning the programme and welcomed suggestions in the run-up to the 2019 batch.

- Members felt that the intensity in courses was necessary, and, student performance in the exams must not be factored while modifying the syllabus. Remedial teaching would better address students who wish to improve performance.

Agenda point 2 & 3: *Introduction of the 50:50 evaluation scheme for grading and discussion on alternative methods of internal assessment (Item UG 8.6.3. of CJMC Regulations)*

- The Board discussed the current evaluation scheme (Item UG 8.6.3. of CJMC Regulations) for grading. Members felt that 50 per cent of the marks be allocated for Continuous Internal Evaluation (CIE) to replace the 40 per cent currently allocated. Members stated that a 50 per cent internal assessment component is better suited for mass communication courses where application-based learning is the objective of the course. Members also examined the methods of evaluation being proposed and felt that the new scheme had enough safeguards to protect the interests of the students for a fair evaluation.
- To materialize the intent of continuous assessment, the Board strongly recommended that where learning practical skills may be the objective of a course, the current written internal assessment test/s or sessional/s be replaced by equally intensive practical exercises and projects. A written internal test/s in such courses may not serve the objectives and learning outcomes too well.

Agenda point 4: *Recommend syllabus and curriculum for the BAJMC III year (2016 batch)*

- The Board recommended that the program be delivered as follows for the batch of 2016-17:

- Following the changes in the curriculum and syllabus prepared and placed before it, the Board unanimously discussed, approved and recommended the following syllabus of BA (Journalism and Mass Communication) for the V and VI semesters of 2016 -17 batch.

SEMESTER V

Sl.No	Course	L	T	P	Total Credits	Total Hours
16UJ501	Media Studies	4	0	2	5	6
16UJ502	Media Business	4	0	2	5	6
16UJ503	Reporting III	3	0	4	5	7
16UJ504	Corporate Communication	4	0	2	5	6
16UJ505	Video Production	4	0	2	5	6
	Environment (Audit course)					2
	Total Credits	2	0	0	0	33

SEMESTER VI

Sl.No	Course	L	T	P	Total Credits	Total Hours
16UJ601	Political Communication	5	0	0	5	5
16UJ602	Digital Media and Journalism	2	0	6	5	8
16UJ603	Technical and Promotional Writing	3	0	4	5	7
16UJ604	IMC	4	0	2	5	6
16UJ605	Research Methodology	4	0	2	5	6
	Kannada	2	0	0	0	2
	Total Credits				25	34

Agenda Point 5: *Recommend syllabus and curriculum for BA (JMC) II year & III year of the 2017 batch*
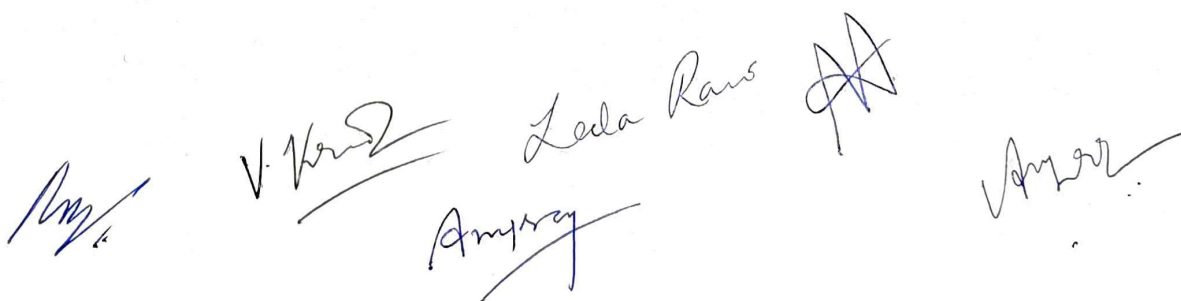
- The Board felt that there was no need to make further alterations in the III and IV Semester curriculum and syllabus approved for the 2016 batch by the Academic Council and recommended continuation of the same syllabus for the forthcoming batches. The same are as follows.

SEMESTER III

Sl.No	Course	L	T	P	Total Credits	Total Hours
17UJM301	Indian Constitution	4	0	2	5	6
17UJM302	Advertising & Public Relations	4	0	2	5	6
17UJM303	Reporting II	2	0	6	5	8
17UJM304	Radio News Production	2	0	6	5	8
17UJM305	Digital Journalism	3	0	4	5	7
	Total Credits				25	35

SEMESTER IV

Sl.No	Course	L	T	P	Total Credits	Total Hours
17UJM401	Media Laws & Ethics	4	0	2	5	6
17UJM402	Understanding Movies	5	0	2	6	7
17UJM403	Television Journalism	4	0	4	6	8
17UJM404	Editing I	4	0	4	6	8
17UJM405	IPR	2	0	0	2	2
	Total Credits				25	31

- Following the changes in the curriculum and syllabus prepared and placed before it, the Board unanimously discussed, approved and recommended the following syllabus of BA (Journalism and Mass Communication) for the V and VI semesters of 2017-18 batch.

SEMESTER V

Sl.No	Course	L	T	P	Total Credits	Total Hours
17UJ501	Media Studies	4	0	2	5	6
17UJ502	Media Business	4	0	2	5	6
17UJ503	Reporting III	3	0	4	5	7
17UJ504	Corporate Communication	4	0	2	5	6
17UJ505	Video Production	4	0	2	5	6
	Environment (Audit course)	2	0	0	0	2
	Total Credits					**33**

SEMESTER VI
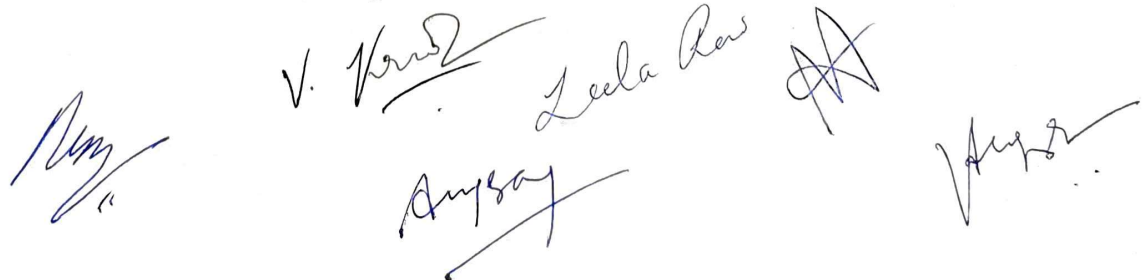
Sl.No	Course	L	T	P	Total Credits	Total Hours
17UJ601	Political Communication	5	0	0	5	5
17UJ602	Digital Media and Journalism	2	0	6	5	8
17UJ603	Technical and Promotional Writing	3	0	4	5	7
17UJ604	IMC	4	0	2	5	6
17UJ605	Research Methodology	4	0	2	5	6
	Kannada	2	0	0	0	2
	Total Credits				**25**	**34**

Agenda point 6
- The structured feed back taken for the academic year 2016-17 was analysed. The feedback was taken from the students, industry experts (prospective employers) and faculty members. Based on the analysis of the feedback, CJMC has incorporated changes in curriculum and syllabi.
- The BOS also discussed the Action Taken Report (ATR) for the academic year 2016-17. ATR was accepted by the BOS members who agreed with actions taken by CJMC based on the recommendations obtained through the structured feedback.

Agenda point 7: *Explore introduction of certificate courses*
- The Board asked the college to explore the introduction of certificate courses. The Board felt that this will enable the college to test new courses and add-on skills that may also be of immense help to the BA JMC students. Further, this will answer the needs of students looking for a specialized and focused career area, apart from publicizing the college as a more broad-based institute of communication learning.

Approvals/Recommendations:

1. The Board approved and recommended the proposed schemes and syllabus of B.A. (Journalism & Mass Communication) for the 5 and 6 Semesters of the 2016 batch.
2. Agenda point 5 Recommend syllabus and curriculum for BA (JMC) II year & III year of the 2017 batch.
3. The feedback analysis and the ATR for the AY 2016-17 was discussed in detail and the recommendations of the ATR was accepted by the BOS members.
   The Board further approved and recommended the proposed schemes and syllabus of B.A. (Journalism & Mass Communication) for the 3, 4, 5 and 6 Semesters for the batch of 2017-18 batch.
4. The Board approved and recommended the continuation of the 2017 scheme and syllabus for the 2018 batch. Further, semesters 3, 4, 5 and 6 for the batch of 2016 and 2017 of B.A. (Journalism & Mass Communication) programme should remain identical.
5. The Board recommended that certificate courses on a wider range of subjects be introduced simultaneously during vacations without detriment to regular academic work.
6. It also strongly recommended use equivalent practical project work and submission in lieu of written sessional tests (Item UG 8.6.3. of CJMC Regulations) in skill-based courses.

Rakesh S. Katarey (Chairperson)
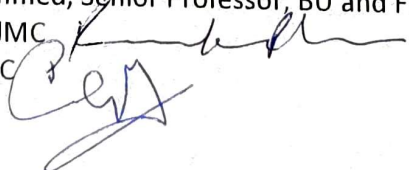
1. Rakesh S. Katarey, Professor, Dept. of MC & J, DSU
2. Dr. Leela Rao, Senior Professor and Consultant
3. Maya Chandra, Corporate Film maker, Teacher and Member, BoS at universities
4. Annisa Joseph, Senior Executive Producer, Freemantle Media
5. Ms. H. S. Vaishnavi, Former Chief, Zee Kannada, and currently, Radio City, Bangalore
6. Krishna V., Professor, CJMC
7. Muralidharan M., Asst. Prof., CJMC.

Special invitees: Dr. Amjed Ahmed, Senior Professor, BU and Former Director, AVRC
Renuka Phadnis, Asst Prof, CJMC
Meghana H R, Asst Prof, CJMC

Enclosures:

1. Syllabus for III, IV, V, VI Semesters of 2017-18 batch
2. Syllabus for V and VI Semesters of the 2016-17 batch
3. Copy of the Certificate courses proposed
4. Scheme of evaluation with proposed amendments
5. Feedback analysis and ATR for the year 2016-17

DAYANANDA SAGAR UNIVERSITY

COLLEGE OF JOURNALISM AND MASS COMMUNICATION

FEEDBACK ANALYSIS REPORT

The university has developed a feedback mechanism for obtaining feedback from all the stakeholders: students, teachers and employers. The College of Journalism and Mass Communication draws feedback from stakeholders through a structured rating system for improvement in curriculum and syllabi. For the session 2016-17, the analysis of stakeholders' feedback is presented as under:

Student feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Total number of students: 3

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	0
		3	100
		2	0
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	0
		3	100
		2	0
		1	0
3	How are the curricula and syllabi in relation to the real life applications?	4	0
		3	100
		2	0
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	0
		3	100
		2	0
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	33.33
		3	0
		2	66.66
		1	0
6	Imparting of human values and ethics through the curriculum is:	4	33.33
		3	66.66
		2	0
		1	0
7	How do you rate the sequence of the courses in the programme of study?	4	0
		3	100
		2	0
		1	0

8	How do you rate the course design in terms of course contents and realization of course outcomes ?	4	0
		3	33.33
		2	66.66
		1	0
9	Availability of text books/study materials related to the course is:	4	66.66
		3	33.33
		2	0
		1	0
10	How do you rate on the flexibility given in the curriculum for out-of-the-class learning?	4	33.33
		3	33.33
		2	33.33
		1	0

Analysis:

According to the structured feedback collected, all (100 per cent) the students find that the curriculum is excellent so far as it is related to addressing national and global trends. All the students find the curriculum excellent with reference to coverage of advanced and inter-disciplinary topics as well as with reference to real life applications, enhancement of innovation and critical thinking skills through curriculum, and sequence of the courses in the program of study.

About 66.66 per cent of the students find that the scope for acquiring employability and entrepreneurship skills through curriculum is average. About 66.66 per cent of the students find that the course design in terms of course contents and realization of course outcomes is average. About 33.33 per cent of the students find that availability of text books/study materials related to the course is average.

Recommendations:

- Focus should be more on employability.

- Sequence of the courses should be reworked.

- Add more books to the library and create a database of texts and notes.

- Content of the courses should not be too heavy.

Teachers/Faculty feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Total number of teachers: 2

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	50
		3	50
		2	0
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	0
		3	50
		2	50
		1	0
3	How are the curricula and syllabi in relation to the real life applications?	4	0
		3	0
		2	100
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	50
		3	50
		2	0
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	50
		3	0
		2	50
		1	0
6	Imparting of human values and ethics through the curriculum is:	4	50
		3	50
		2	0
		1	0
7	The system followed by DSU for the design and development of curriculum is:	4	50
		3	50
		2	0
		1	0
8	How do you rate the course design in terms of course contents and realization of course outcomes?	4	0
		3	50
		2	50
		1	0
9	How do you rate the academic flexibility provided for delivery of course contents in the academic frame-work?	4	0
		3	100
		2	0
		1	0
10	How do you rate the course contents from the perspective of coverage for competitive exams?	4	50
		3	50
		2	0
		1	0

Analysis:

According to the structured feedback collected, 50 per cent of the teachers find that the curriculum, with respect to addressing emerging national and global trends, is excellent. Fifty per cent of the teachers find that Imparting of human values and ethics through curriculum is excellent.

Fifty per cent of the teachers find that the system followed by DSU for the design and development of curriculum is excellent. Fifty per cent of the teachers find scope for acquiring employability and entrepreneurship skills through curriculum is average.

Fifty per cent of the teachers find that the course design in terms of course contents and realization of course outcomes is average. All the teachers find that curricula and syllabi in relation to the real life applications is average.

Recommendations:

- Focus should be more on employability.

- Increase focus on contents and realization of course outcomes.

- Course should concentrate on connecting curricula and syllabi in relation to real life applications

Employers feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Number: 1

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	0
		3	0
		2	100
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	0
		3	0
		2	0
		1	100
3	How are the curricula and syllabi in relation to the real life applications?	4	0
		3	0
		2	100
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	0
		3	0
		2	100
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	0
		3	0
		2	100
		1	0
6	Imparting of human values and ethics through the curriculum is:	4	0
		3	0
		2	0
		1	100
7	How do curricula and syllabi incorporate computer skills and other soft skills needed for employment?	4	0
		3	100
		2	0
		1	0
8	The effectiveness of curricula and syllabi in developing skill oriented human resources is:	4	100
		3	0
		2	0
		1	0
9	The way the curricula and syllabi providing opportunities for integrated learning is:	4	0
		3	100
		2	0
		1	0
10	How do you rate the curricula and syllabi in bridging the gap between academia and industry?	4	0
		3	100
		2	0
		1	0

Analysis:

According to the structured feedback collected, all the employers find that the effectiveness of curricula and syllabi in developing skill oriented human resources in the curriculum is excellent. All the employers find that the curricula and syllabi providing opportunities for integrated learning is good.

All the employers rate the curricula and syllabi in bridging the gap between academia and industry as good. All the employers find that the curriculum, with respect to addressing emerging national and global trends, is average. All the employers find that the curriculum and syllabi in relation to the real life applications, is average.

Recommendations:

- Curriculum should focus more on addressing national and global trends.

- Curriculum and syllabi should focus more on real life applications.

DAYANANDA SAGAR UNIVERSITY

COLLEGE OF JOURNALISM AND MASS COMMUNICATION

ACTION TAKEN REPORT (ATR)

2016-2017

The following actions were taken to address the issues found during the stakeholder feedback process:

1. A greater emphasis to be placed on the digital thrust across courses so that it will cater to the new and emerging digital media. The program could be redesigned in accordance with this emphasis.

2. Learning practical skills to be increased, these could be the objective of a course and the current internal assessment tests could be replaced with intensive practical exercises and projects.

Principal

College of Journalism and Mass Communication

Dayananda Sagar University

3 Aug 2017

The inter-disciplinary approach of CJMC's curriculum is ideal for students entering the world of entrepreneurship. As is known, entrepreneurs are adventurers in the world of business. They require every skill to survive, fight for themselves so that they can thrive. In this context, CJMC's curriculum gives them not only the core skills but also one that is in tune with national and global trends.

Most importantly, it has armed them with real-life applications so that they have more than book knowledge. An invaluable skill that has been imparted them is that of being critical.

A critical skill in the real world, is to give confidence to graduates to solve real-world challenges, rather than qualifications. This is one quality that the curriculum is catering to.

These skills will stand them in good stead as they enter and grow as entrepreneurs. It has made the students ready for the world of industry.

Marketing Manager

ECHOBOOM

SCHEME OF TEACHING & CURRICULUM FOR BA (JOURNALISM AND MASS COMMUNICATION) YEAR III

SEMESTER V

Sl.No	Course	L	T	P	Total Credits	Total Hours
16UJ501	Media Studies	4	0	2	5	6
16UJ502	Media Business	4	0	2	5	6
16UJ503	Reporting III	3	0	4	5	7
16UJ504	Corporate Communication	4	0	2	5	6
16UJ505	Video Production	4	0	2	5	6
	Total Credits					31
	Environment (Audit course)	2	0	0	0	2

SEMESTER VI

Sl.No	Course	L	T	P	Total Credits	Total Hours
16UJ601	Political Communication	5	0	0	5	5
16UJ602	Digital Media and Journalism	2	0	6	5	8
16UJ603	Technical and Promotional Writing	3	0	4	5	7
16UJ604	IMC	4	0	2	5	6
16UJ605	Research Methodology	4	0	2	5	6
	Total Credits				25	32
	Kannada	2	0	0	0	2

Total @ 25 credits/semester   : 150 credits
Internship (4-6 weeks)   : 000 credits

Grand Credits   : 150 credits

Pl. Note: 1 Credit = 1 Lecture Hour = 2 Tutorial Hours = 2 Practical Hours

DAYANANDA SAGAR UNIVERSITY

COLLEGE OF JOURNALISM AND MASS COMMUNICATION

FEEDBACK ANALYSIS REPORT

The university has developed a feedback mechanism for obtaining feedback from all the stakeholders: students, teachers, alumnae and employers. The College of Journalism and Mass Communication draws feedback from stakeholders through a structured rating system for improvement in curriculum and syllabi. For the session 2020-21, the analysis of stakeholders' feedback is presented as under:

Student feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Total number of students: 28

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	3.57
		3	78.57
		2	17.85
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	0
		3	67.85
		2	32.14
		1	0
3	How are the curricula and syllabi in relation to the real life applications?	4	21.4
		3	60.71
		2	17.85
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	7.14
		3	64.28
		2	28.57
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	10.71
		3	39.28
		2	46.42
		1	3.57
6	Imparting of human values and ethics through the curriculum is:	4	10.71
		3	53.57
		2	25
		1	0
7	How do you rate the sequence of the courses in the programme of study?	4	21.4
		3	53.57
		2	25
		1	7.14

8	How do you rate the course design in terms of course contents and realization of course outcomes ?	4	14.28
		3	57.14
		2	21.4
		1	7.14
9	Availability of text books/study materials related to the course is:	4	14.28
		3	35.71
		2	42.85
		1	7.14
10	How do you rate on the flexibility given in the curriculum for out-of-the-class learning?	4	14.28
		3	46.42
		2	25
		1	14.28

Analysis:

According to the structured feedback collected, the 78.57 percent of students find that CJMC's curriculum addresses the emerging national and global trends to a good degree, 67.85 percent find that the coverage of advanced and inter-disciplinary topics in curriculum is good, 60.71 percent feel that our curricula and syllabi are good in relation to the real life applications, 64.28 percent found that the curricula enhances innovation and critical thinking skills, 53.57 percent expressed that the syllabi imparts human values and ethics to a good degree, 53.57 percent found the sequence of the courses in the programme good and 57.14 percent rated the course design in terms of course contents and realization of course outcomes to be good.

Recommendations:

- Focus should be more on employability.

- Sequence of the courses should be reworked.

- Add more books to the library and create a database of texts and notes.

- Out class learning should be given more importance.

- Content of the courses should not be too heavy.

Teachers/Faculty feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Total number of teachers: 4

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	0
		3	100
		2	0
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	50
		3	50
		2	0
		1	0
3	How are the curricula and syllabi in relation to the real life applications?	4	25
		3	75
		2	0
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	25
		3	25
		2	50
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	50
		3	50
		2	0
		1	0
6	Imparting of human values and ethics through the curriculum is:	4	25
		3	75
		2	0
		1	0
7	The system followed by DSU for the design and development of curriculum is:	4	50
		3	50
		2	0
		1	0
8	How do you rate the course design in terms of course contents and realization of course outcomes?	4	25
		3	75
		2	0
		1	0
9	How do you rate the academic flexibility provided for delivery of course contents in the academic frame-work?	4	50
		3	25
		2	25
		1	0
10	How do you rate the course contents from the perspective of coverage for competitive exams?	4	0
		3	50
		2	50
		1	0

Analysis:

According to the structured feedback collected, all the teachers find that CJMC's curriculum addresses the emerging national and global trends to a good degree, 50 percent find that the coverage of advanced and inter-disciplinary topics in curriculum is excellent, 75 percent feel that our curricula and syllabi are good in relation to the real life applications, 75 percent expressed that the syllabi imparts human values and ethics to a good degree, 50 percent found the system followed by DSU for the design and development of curriculum to be good and 75 percent rated the course design in terms of course contents and realization of course outcomes to be good.

Recommendations:

- Out of the box thinking and creativity should be given more room.
- Course content should not be too heavy.
- Offer more flexibility in the program.
- Course should also focus on catering aspirants of competitive exams.
- Syllabi should incorporate soft skills and time relevant computer skills.

Alumnae feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Number: 12

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	8.33
		3	83.33
		2	8.33
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	8.33
		3	58.33
		2	25
		1	8.33
3	How are the curricula and syllabi in relation to the real life applications?	4	8.33
		3	66.66
		2	25
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	0
		3	50
		2	50
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	8.33
		3	16.66
		2	66.66
		1	8.33
6	Imparting of human values and ethics through the curriculum is:	4	25
		3	58.33
		2	8.33
		1	8.33
7	How do you rate the course design in terms of course contents and realization of course outcomes?	4	16.66
		3	41.66
		2	33.33
		1	8.33
8	How do you rate the relevance of courses that you have learned in relation to your current job?	4	33.33
		3	41.66
		2	25
		1	0
9	How do you rate the syllabi in bridging the gap between academia and industry?	4	33.33
		3	25
		2	33.33
		1	8.33
10	How do you rate the overall learning environment offered in the campus with respect to curricula and syllabi?	4	16.66
		3	16.66
		2	58.33
		1	8.33

Analysis:

According to the structured feedback collected, 83.33 percent alumni find that CJMC's curriculum addresses the emerging national and global trends to a good degree, 58.33 percent find that the coverage of advanced and inter-disciplinary topics in curriculum is excellent, 66.66 percent feel that our curricula and syllabi are good in

relation to the real life applications, 58.33 percent expressed that the syllabi imparts human values and ethics to a good degree, 50 percent found the system followed by DSU for the design and development of curriculum to be good.

Recommendations:

- Focus should be more on employability.

- Inclusion of inter-disciplinary topics in curriculum is needed.

- Decreasing the gap between academia and industry should given more focus.

Employers feedback:

Rubrics: 4 - Excellent, 3 - Good, 2 - Average, and 1 - Poor.

Number: 2

Sl. No.	Criteria	Rubrics	Percentage
1	Curriculum, with respect to addressing emerging national and global trends, is	4	100
		3	0
		2	0
		1	0
2	Coverage of advanced and inter-disciplinary topics in curriculum is:	4	50
		3	50
		2	0
		1	0
3	How are the curricula and syllabi in relation to the real life applications?	4	100
		3	0
		2	0
		1	0
4	Enhancement of innovation and critical thinking skills through curriculum is:	4	50
		3	50
		2	0
		1	0
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	4	50
		3	50
		2	0
		1	0
6	Imparting of human values and ethics through the curriculum is:	4	100
		3	0
		2	0
		1	0
7	How do curricula and syllabi incorporate computer skills and other soft skills needed for employment?	4	100
		3	0
		2	0
		1	0
8	The effectiveness of curricula and syllabi in developing skill oriented human resources is:	4	50
		3	50
		2	0
		1	0
9	The way the curricula and syllabi providing opportunities for integrated learning is:	4	0
		3	100
		2	0
		1	0
10	How do you rate the curricula and syllabi in bridging the gap between academia and industry?	4	0
		3	100
		2	0
		1	0

Analysis:

According to the structured feedback collected, all the employers find that CJMC's curriculum addresses the emerging national and global trends to a good degree, 50 percent find that the coverage of advanced and inter-disciplinary topics in curriculum is excellent, 50 percent feel that our curriculum enhances innovation and critical

thinking skills, 100 percent feel that our curricula and syllabi are good in relation to the real life applications, 100 percent expressed that the syllabi imparts human values and ethics to a good degree, 100 percent found the curricula and syllabi to be excellent in-terms of incorporating computer skills and other soft skills needed for employment, 50 percent found CJMC's syllabi to be effective in developing skill oriented human resources, 100 percent found opportunities for integrated learning to a good degree and all the employers rate the curricula and syllabi in bridging the gap between academia and industry to be good.

Recommendations:

- Inclusion of inter-disciplinary topics in curriculum is needed.

- Sequence of the courses should be revisited.

- Focus on competitive exams should be increased.

- More flexibility should be provided in terms of out-of-class learning.

DAYANANDA SAGAR UNIVERSITY

COLLEGE OF JOURNALISM AND MASS COMMUNICATION

ACTION TAKEN REPORT (ATR)

2020-2021

The following actions were taken to address the issues found during the stakeholder feedback process:

1. Incorporation of short film production and single episodes of programs so that students will be absorbed faster by the TV industry because they know that skill.

2. Lightening of syllabus of subjects like Research methodology, so that it will not be too extensive for a UG programme.

3. Reporting and editing is no longer taught in the first semester, so that students can be slowly introduced to the more complex concepts gradually.

4. Additionally many courses were rearranged to ensure greater flow and phased learning between semesters.

5. Books by Indian authors for Sociology have been introduced.

Prof. V. Krishna

Principal

College of Journalism and Mass Communication

Dayananda Sagar University

Ogilvy
INDIA
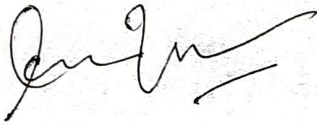
16th June 2021

Feedback on curriculum

CJMC offers a comprehensive program that caters to emerging trends media industry. Inter-disciplinary courses in the program provide students with the much needed perspective about the world. The curriculum design seems to inculcate critical thinking among the students. Problem solving through critical thinking and creative thinking are valuable in any field of career.

The college has introduced courses such as digital media journalism and Integrated Marketing Communication which are very essential in today's internet driven world. My suggestion apart from the questions asked in the feedback form would be that of introducing internships by the end of first year itself. You can refer to the attached feedback form for more details.

Namita Liz Koshy

Vice President, Ogilvy India (North)

Feedback on curricula - Employers

Greetings,

College of Journalism and Mass Communication, Dayananda Sagar University, Bengaluru kindly requests you to give feedback on our curricula and score the same with respect to the following particulars.

We thank you for giving us your valuable feedback and precious time.

Please rate each question on a scale of 1 to 4: Excellent - 4, Very Good - 3, Average - 2 and Poor - 1.

Curriculum, with respect to addressing emerging national and global trends, is *

1	2	3	4
○	○	○	◉

Coverage of advanced and inter-disciplinary topics in curriculum is: *

1	2	3	4
○	○	○	◉

How are the curricula and syllabi in relation to the real life applications? *

1	2	3	4
○	○	○	◉

Enhancement of innovation and critical thinking skills through curriculum is *

1	2	3	4
○	○	◉	○

Scope for acquiring employability and entrepreneurship skills through curriculum is *

	1	2	3	4
	O	O	O	O

Imparting of human values and ethics through the curriculum is *

	1	2	3	4
	O	O	O	◉

How do curricula and syllabi incorporate computer skills and other soft skills needed for employment? *

	1	2	3	4
	O	O	O	◉

The effectiveness of curricula and syllabi in developing skill oriented human resources is *

	1	2	3	4
	O	O	O	◉

The way the curricula and syllabi providing opportunities for integrated learning is *

	1	2	3	4
	O	O	O	◉

How do you rate the curricula and syllabi in bridging the gap between academia and industry? *

	1	2	3	4
	O	O	O	◉
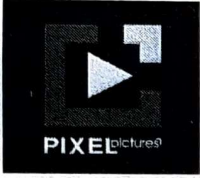
23 August 2021

Sub: Feedback

The proposed curriculum syllabus is well thought through. The program gives well deserved attention to emerging trends as well as applied fields including inter-disciplinary topics. The potential for acquiring employability and entrepreneurship skills through curriculum seems very likely, but subject to individual drive of the student. Human values and ethics instilled in the students is also crucial.

The program offers flexibility and the electives offered provide students with choices to choose and follow their interest. Ultimately, the students should be job ready by the time they complete the program and CJMC seems to do exactly this.

I have recorded my responses to the survey and I believe it is a good practice to invite comments on curriculum from the industry experts. The questions in the survey cover a lot of points which should be considered before locking in the syllabus.

Head of Production
PIXEL Pictures Pvt. Ltd.

Attachments:

1. Survey form

DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING

- School : Arts and Humanities
- College : Journalism and Mass Communication
- Program/Department : BA Journalism and Mass Communication
- Mode of BOS Held : Hybrid
- Date : 13.09.2021
- Venue : VII Floor, Building No.13, New Business Block, Kumaraswamy Layout, Bangalore
- Time : 2 PM

- Members Present :

SL.No	Name	Designation & Affiliation	Signature
1	Rakesh S. Katarey	Professor, CJMC	
2	Dr. Leela Rao	Senior Professor, Editorial Consultant of National and International Journals	
3	Dr. Syed Amjed Ahmed	UGC Professor Emeritus, Bangalore	13/09/2021
4	Dr. S. Balasubramanya	ICSSR Research Fellow and Former Chairman, JMC, Karnatak University	
5	Ms.H S Vaishnavi	Former Chief, Zee Kannada, Radio City and former Programming Head, Colors channel	
6	Prof. Krishna V	Dean IC, SoAH and Principal, CJMC	

- Invitees Present :

SL.No	Name	Designation & Affiliation	Signature
1	Mr. Giri Kurichiyath	Asst Prof, CJMC	
2	Ms. RenukaPhadnis	Asst Prof, CJMC	
3	Dr. Meghana H R	Asst Prof, CJMC	
4	Ms. Ms. Abhilasha R	Asst Prof, CJMC	

SL.No	Name	Designation & Affiliation
1.	Prof. R Janardhan,	Pro Vice Chancellor, DSU
2.	Ms. Annisa Joseph	Senior Television Producer, Fremantle Media
3.	Ms. Parul Agarwal	former Chief of Bureau, *The Quint*, CNBC

• Agenda

SL.No	Particulars
1.	Syllabus for Year III of the BA (Honours) Journalism 2019 Batch.
2.	Syllabus for Year III of the BA (Journalism and Mass Communication) with Honours Option for the 2020 Batch.
3.	Discussion and finalizing the Program structure - Scheme (Course Matrix) for Year I (Sem I & II), Year II (Sem III & IV) and Year III (Sem V & VI) in CBCS model and respective syllabus for BA (Journalism and Mass Communication) 2021 Batch.
4.	Discussion and finalizing electives for 2021 BA Batch (specified in the Program structure)
5.	Continuation of the Scheme of Evaluation for Year I of the BA (Journalism and Mass Communication) with Honours Option for 2021 Batch. The Scheme of Evaluation is currently in force for the 2020 batch. That is, a. 60:40 weightage for CIE and SEE respectively and a passing mark of 40% in aggregate. b. Basis of final assessment of marks based only on continuous internal assessment in case of practical subjects.
6.	Placing of Action Taken Report (ATR) of Structured feedback from the stakeholders for the academic year 2020-2021 and discussing the ATR and plans to incorporate the suggestions.

Agenda	Discussions Brief
1.	Suggestion by Ms.Vaishnavi to consider teaching of short film production and single episodes of programs. It was based on the thought that students will be absorbed faster by the TV industry because they know that skill. Students should also be taught different forms of scripting and how to produce a complete short film, which also will give them an added advantage.
2.	It was suggested by Dr. Amjed that the syllabus for Research Methodology is a little extensive. Only basics should be taught as it is not possible to go in-depth. Referring to books by Indian authors was suggested
3.	It was suggested by Dr. Amjed that in Sociology books by Indian authors should be added to the current textbook as reference.
4.	Prof. Amjad said the focus in the first semester should be on introducing to journalism only. Reporting and editing should not be taught in the first semester, which had indeed been accommodated. The discussion centred around the revised curriculum and syllabus. Prof. Rakesh drew the attention of the members to the important provisions of NEP, including the multiple exit points for students and the need to divide the programme into majors and minors. Members agreed that there was a need to

	revisit the NEP once there was greater clarity on its implementation by the various committees. Members also agreed that some of the features of proposed by NEP – particularly on need to integrate other disciplines had already been incorporated into the curriculum through general electives in addition to the DSEs. Members discussed the rearrangement of some subjects in the curriculum to ensure greater flow and phased learning between semesters. There was for instance, a semester's gap between Photography and Videography and Broadcast Journalism. Members addressed this anomaly and the gap was closed. Consequently, CIH was moved to the first semester while P&V was placed in the second semester closer to Broadcast Journalism in the third. *Incorporation of the guidelines of Karnataka's NEP into CJMC's syllabus.* Soft skills and Life skills have been in introduced in along with Health and Wellbeing. The last has been made an audit subject.
4.	Action Taken Report (ATR) of Structured feedback from the stakeholders for the academic year 2020 - 2021 was discussed in detail and the ATR was appreciated by the BOS members.
5.	A presentation was made by Prof.Krishna with the updates in the syllabus in which 95 per cent of the syllabus is the same. The syllabus has followed the guidelines as defined by Karnataka government's New Education Policy.
6.	The board approved the introduction of new courses: Social Media Marketing (19JH3505), Development Communication(19JH3506), Workshop II (19JH3603), Project-Lab Journal/Bulletin (19JH3604), Project-Documentary/Production (19JH3605), Project-Ad Or Corporate Film/Newsletter (19JH3606), Project-Development Communication (19JH3607) and Audio and Video Editing Tools (21JH1205)
7.	CJMC has incorporated the CBCS model for the three batches, i.e 2019,2020 and 2021. i. CJMC is offering 24 credits in V sem and 20 credits in VI sem (2019 batch). ii. 2020 batch has a total of 32 credits in III year. iii. 2021 batch has a total of 48 credits in I year, 46 in II year and 42 credits III year.

- Final Decisions/Resolutions/Recommendations

Agenda	Decisions/Resolutions/Recommendations
1.	It was agreed by Prof.Katarey and Ms. Vaishnavi that that short, five-minute films or a specific scene of a sitcom should be taught to students. The formats were agreed upon. Students will be taught different forms of scripting and how to produce a complete short film.
2.	Dr. Amjed will send the book list for Research Methodology.
3.	CBCS model to be followed for the 2021 Batch BA program structure.
4.	Approval of program structure and electives of 2021 batch.
5.	As per the suggestions from the structured feedback and ATR, the BOS members have agreed that i. Focus in the first semester is only on basic writing and reporting. ii. Reporting and editing are not taught at the same time. iii. More time to be allotted for practical work/student production to build student portfolio.

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

Agenda	Following discussion, the Board declared the following proposals – along with their respective schemes - as enclosed - as appropriate and recommended them to the University's statutory boards for approval/ratification:
1	Syllabus for Year III of the BA (Honours) Journalism 2019 Batch.
2	Syllabus for Year III of the BA (Journalism and Mass Communication) with Honours Option for the 2020 Batch.
3.	Program structure - Scheme (Course Matrix) for Year I, Year II and Year III and Syllabus for Year I of the BA (Journalism and Mass Communication) for 2021 Batch.
4.	The Scheme of Evaluation for Year I of the BA (Journalism and Mass Communication) with Honours Option for 2021 Batch will continue to be 60:40 weightage for CIE and SEE respectively and a passing mark of 40% in aggregate. In case of practical subjects, the Board recommended, as previously approved, a complete shift away from end-semester exams to continuous internal assessment for award of marks.
5.	Action Taken Report (ATR) of Structured feedback from the stakeholders for the academic year 2020 - 2021 and sample feedback form.

Signature of Chairman of BOS with Date

DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF THE 9TH BOS MEETING

School : SCHOOL OF HEALTH SCIENCES
College : COLLEGE OF PHYSIOTHERAPY
Program/Department : BPT & MPT – PHYSIOTHERAPY
Mode of BOS Held : Online
Date : 09TH JULY 2021
Venue : Google platform meet link - https://meet.google.com/ibc-pkjt-mpg
Time : 11.00 AM to 12.30 PM

- Members Present :

SL.No	Name	Designation & Affiliation		Signature
1.	Dr Pushpa Sarkar	Dean, SAHS	Co-opted Member	
2.	Dr Anil T John	Principal & Professor Musculoskeletal & Sports Physiotherapy, DSU.	Chairperson	
3.	Dr Savitha Ravindra	Dean of allied health sciences, RGUHS.	Member	
4.	Dr Arun Maiya	Dean – SOAHS, MAHE - Manipal University.	Member	
5.	Dr Saikumar N	Principal, Sanjay Gandhi Institute of Trauma & Orthopedics (Physiotherapy) Bangalore.	Member	
6.	Dr Mallikarjunaiah H	Professor/Principal Acharya's NR Institute of Physiotherapy, Bangalore.	Member	
7.	Dr Abraham M Joshua	Associate Professor,Dept of Physiotherapy, KMC Mangalore.	Member	
8.	Dr Srihari Sharma K N	Assistant Professor, Dept. of Cardio Respiratory Physiotherapy, DSU.	Member	
9.	Dr Vinodkumar K C	Assistant Professor, Dept of Musculoskeletal & Sports Physiotherapy, DSU.	Member	

- Members Absent :

SL.No	Name	Designation & Affiliation	
1	Dr Sherin George	HOD , Dept. of Physiotherapy , HOSMAT Hospital	

- Agenda

SL.No	Particulars
1.	Review of regulations of UG and PG programs.
2.	Approval of program structure for BPT and MPT programs offered during the academic year 2021-22 including elective courses offered under MPT program.
3.	PG and Ph.D Guides and student ratio.
4.	NEP and its implications in Physiotherapy.
5.	Any other matter with the permission of the chair.

- Discussions on Agenda

Agenda	Discussions Brief
1	The minutes of the 8th BOS meeting held on 4th March 2020 was read and approved. In the UG regulation, 11.1, it states that "Normally a candidate should complete all the requirements for undergraduate programme in Four and a half years. However, academically weaker candidates who do not fulfil some of the requirements in their first attempt and have to repeat them in subsequent semesters may be permitted up to Eight consecutive years (from the first year of registration) to complete all the requirements of the degree". There was ambiguity in the statement and it needs to be clarified whether the period of internship has to be considered in calculating the maximum duration allowed for fulfilling all requirements of the degree.
2	The program structures for the programs that will be offered during the Academic Year 2021-22 (including 1st, 2nd, 3rd and 4th Year BPT as well as 1st and 2nd Year MPT) was presented before the BOS. The list of Elective courses that will be offered during the 2nd Year MPT program was also presented.
3	MPT regulation PG 9.5.2 states that "The Guide must be a teacher with MPT qualification with a minimum of 5 years of fulltime experience". Here, there is a necessity to spell out clearly that it should be 'post- PG experience'. It should be rephrased as " a teacher with MPT qualification with a minimum of 5 years full time post PG experience'. It was discussed that publication should also be considered as a criteria to be qualified for MPT guide. The points discussed were, that since assistant professor or associate professor is the current qualification required, as of now, it may not be advised to consider the publication criteria to be qualified for PG guide. However, 5 years post PG, the faculty owe to have at least 2 publications as 1st, 2nd or corresponding author. The DSU practice is to consider indexed unpaid journal as a priority and hence it may be considered to have 2 publications with Scopus/ Web of Science index. Since the DSU Ph D guidelines states similar credentials following Ph D degree to qualify as Ph D guide, it may not be appropriate to emphasise on Scopus and Web of Science indexed journals alone, but to consider even the journals listed in UGC care list as well since it is also well accepted academically. Further, it was pointed out that usually post MPT, within 5 years, the faculty may not get a chance to have his/her own project to be the first author, neither he/ she can be the second

	author given that he/ she would not have a chance to guide any project worth publishing. It would not be appropriate to mandate for a MPT guide to be either first/ second/ corresponding author.
4	The possible implication of NEP on physiotherapy education was discussed. Dr Arun Maiya, who happens to be one of the NEP advisory committee members, shared some valuable information in this regard.
5	It was mentioned that the National commission for allied health care was almost unfolded and that physiotherapy profession will be allowed under the act. However, the analysis of the stakeholders' feedback on curriculum being offered currently at DSU was presented.

- Final Decisions/Resolutions/Recommendations

Agenda	Decisions/Resolutions/Recommendations
1	UGC norm states it as "double the program duration". As per this, the program duration for BPT is 4. 5 years since internship is a part of the program and it is termed as the 'Compulsory Internship'. Since 6 months of internship is very much a part of the curriculum, 8 years and 6 months was unanimously accepted by all members.
2	During the 3rd BOS meeting held on 4th January 2016, there was a discussion on the recommendation of UGC regarding the Choice Based Credit System (CBCS). There was a consensus among the members that CBCS may not be suitable for a health science program like Physiotherapy as of now. However, the students are offered Elective Courses under the MPT program, the details of which are attached with his document. The program structures of both BPT and MPT programs that will be offered during the academic year 2021-22 were unanimously approved at the BOS meeting
3	"The guide must be a teacher with MPT qualification with a minimum of 5 years full time post PG experience". It may be stated that to qualify to be a MPT guide, the faculty shall be one of the authors for a publication in an indexed journal. Ph D qualified MPT guides: Taking into account that a Ph D scholar will be actively involved in research and a considerable amount of UG and PG teaching activities during the Ph.D tenure, a minimum of 2 years of teaching experience post Ph D with all other criteria fulfilled shall qualify for MPT guide ship. In case of electives such as women health, where there is a dearth in qualified MPT guides, guides specialized in the closest subject area shall be assigned to guide the MPT students for a certain period of time until the speciality area attain independence. To be called as a co-guide, he/ she shall fulfil all the criteria laid down to be qualified as a guide.

	Co-guides shall be assigned to bridge the gap in the domain knowledge for a MPT project. For example, for a MPT project in the area of women health, if the guide, who is required to be a full time faculty of the college of physiotherapy belongs to cardio-pulmonary speciality, there shall be a provision to assign a gynaecologist as the co-guide. It has to be noted that in any case, to guide a MPT student, the guide shall be from the physiotherapy faculty.
4	It was stated that, as of now, it is not proposed to bring about any drastic changes under the NEP in the health care programs (especially certificate courses and diploma courses). The only proposal is integrating masters with Ph D.
5	The syllabi are also due for revision and is being planned once the commission is launched. The conventional guidelines for physiotherapy education shall be continued till the commission comes in place. Hence major policy decisions regarding the same not be taken at this juncture. Also, since the analysis report of the feedback on curriculum collected from the stakeholders indicated an overall satisfaction with respect to the content of the curriculum, there was a consensus among the members that further feedback reports shall stipulate the further course of action in this regard.

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

Agenda	Particulars
1	Minutes of 3rd BOS meeting.
2	List of elective courses offered under the MPT program- 'Elective/ Specialization groups'.
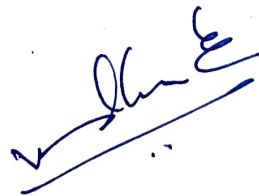
Signature of Chairman of BOS with Date

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 1ˢᵗ 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

Stakeholder feedback discussion:

Student, faculty, alumni and employer, VC were discussed. Based on the feedback collected the following changes in the curriculum have been incorporated;

- Economics for Engineers
- Minor project
- Lab practice should be brought in to Electives
- Mini projects in the lab
- Cryptography and network security
- MOOC courses

BTech CSE Program Structure – CBCS scheme 2019-23 (160 credits)

I/II SEM - CHEMISTRY CYCLE

SL	COURSE CODE	COURSE TITLE	CR / AU	SCHEME OF TEACHING					SCHEME OF EVALUATION	
				L	T	P	S/P	C	CIA	END EXAM
1		ENGINEERING MATHEMATICS – I /ENGINEERING MATHEMATICS – II	CR	03	01	--	--	04	50	50
2		CHEMISTRY	CR	03	01	--	--	04	50	50
4		COMPUTER PROGRAMMING & PROBLEM SOLVING	CR	03	--	--	--	03	50	50
5		BASIC ELECTRONICS*	CR	03	--	02	--	04	50	50
6		CHEMISTRY LABORATORY	CR	--	--	03	--	1.5	50	50
7		COMPUTER PROGRAMMING & PROBLEM SOLVING LABORATORY	CR	--	--	04	--	02	50	50
8		WORKSHOP PRACTICE	CR	01	--	03	--	2.5	50	50
9		CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	AU	02	--	--	--	--	50	50
10		KANNADA	AU	02	--	--	--	--	50	50
		GRAND TOTAL =900		17	02	12	--	21		

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 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 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 form others Schools.

iv) Members suggested that the Minor Projects be given more weighage 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

Dept. of Computer Science & Engineering.
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road,
Bengaluru

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 Semster 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.

Thie 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

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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.

Stakeholder feedback discussion:

Student, faculty, alumni and employer, VC were discussed. Based on the feedback collected the following changes in the curriculum have been incorporated;

1. Projects at the course level
2. Full Stack Development
3. Computational Thinking with Python
4. Agile Software Engineering
5. Liberal studies
6. Cybersecurity
7. Secure Programming
8. Application Development in the Cloud
9. Internship
10. Prerequisites for the courses

BTech CSE Program Structure – 2020-24

III SEM

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/ AU	SCHEME OF TEACHING					PREREQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1		BS	Discrete Mathematical Structures	CR	3	-	-	-	3	*	***
2		CS	Data Structures	CR	3	-	-	-	3	I/II	20EN1103
3		CS	Digital Electronics & Logic Design	CR	2	1	-	-	3	*	***
4		CS	Database Management Systems	CR	3		-	-	3	*	***
5		CS	Computational Thinking with Python	CR	3		-	-	3	*	***
6		CS	Agile Software Engineering	CR	3	1	-	-	4	*	***
7		*	Data Structures Lab	CR	-	-	2	-	1	*	***
8		*	Database Management Systems Lab	CR	-	-	2	-	1	*	***
9		LS	Management and Entrepreneurship	CR	2	-	-	-	2	*	***
10		LS	Liberal Studies – 1	CR	1	-	-	-	1	*	***
					20	2	4	-	24		

IV SEM

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/ AU	SCHEME OF TEACHING					PREREQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1		BS	Probability and Statistics	CR	2	-	-	-	2	*	***
2		CS	Design and Analysis of Algorithms	CR	3	-	-	-	3	III	DS
3		CS	Principles of Microprocessors and Computer Organization	CR	3	1	-	-	4	III	DELD
4		CS	Computer Networks	CR	3	-	-	-	3	*	***
5		CS	Cybersecurity	CR	2	1	-	-	3	*	***

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.

—

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 !!

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

Phone Number- +919342560303

Ph No: 080-22167864

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 teh 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.

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.

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,

Sag R.Ch
_22/7/23_

Best Regards,

Dr. Sanjay Chitnis

Chairperson, Dept. of CSE

Dayananda Sagar University, Bengaluru

Attachments area

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

DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING: ACY- 2021-22

- 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.Rajnijkanth Lal	Solution Director,HCL Technologies, Bengaluru
2	Mr Vishwanath Shastry	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 **2021-25 CBCS scheme** of BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity
3	Discussion on the syllabi of **2021-25 CBCS scheme of** BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity and approving the same
4	Deliberations on the **2021-23 CBCS scheme** of MTech. CS&E
5	Discussion on the syllabi of **2021-23 CBCS scheme of** MTech. CS&E
6	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. - 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	**Discussion on the CBCS scheme for 2021-25 BTech CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity** **Program structure**

Sl. No	Category	current breakup of credits (Total 160)	AICTE suggested Breakup of credits (Total 160)	No of courses	New curriculum breakup of credits (Total 160)
1	Liberal Studies Courses	12	12	10	12 (16-24)
2	Basic Science courses	26	25	8	23
3	Engineering Science courses	29	24	8	23

Sl. No	Course code	Course Title	SCHEME OF TEACHING				PREREQUISITE	
			L	T	P	C	SEM	COURSE CODE
1	BS	Probability and Statistics	3			3		
2	CS	Relational and NoSQL Databases	3		2	4		
3	CS	Microcontrollers and Embedded Systems	3		2	4		
4	CS	Agile Software Engineering Studio	2		4	4		
5	CS	Data Structures and Applications	3		2	4		
6	CS	Computer Organization	2			2		
7	LS	Management and Entrepreneurship	2			2		
8	LS	Liberal studies - 1	1			1		
		Total no of credits				24		

SEMESTER IV								
Sl. No	Course code	Course Title	SCHEME OF TEACHING				PREREQUISITE	
			L	T	P	C	SEM	COURSE CODE
1	BS	Calculus and Numerical Methods	3			3		
2	CS	Machine Learning Studio	2		4	4		
3	CS	Design and Analysis of Algorithms	3		2	4		
4	CS	Web Technologies	1		2	2		
5	CS	Computer Networks	3		2	4		
6	CS	Cybersecurity	2		2	3		
7	CS	Special Topics – 1			4	2		
8	LS	Liberal studies - 2	1			1		
9	LS	Liberal studies: 3	1			1		
		Total no of credits				24		

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 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 prerequisite for CN.

Cybersecurity course feedback:

- Members Suggested to move this course to V semester

Special Topics course feedback:

- 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 session with mentoring from experts and resource person is given more flexibility for conduction as well as assessment.

6. V & VI semester

SEMESTER V

Sl. No	Course code	Course Title	SCHEME OF TEACHING				PREREQUISITE	
			L	T	P	C	SEM	COURSE CODE
1	CS	Operating Systems	3		2	4		
2	CC	Program Specific Core-1: Finite Automata & Formal Languages/ Artificial Intelligence/Data Science/ Cryptography and Network Security	3	1	2	4		
3	CS	Object Oriented Programming	3		2	4		
4	PE	PE-1	3			3		
5	PE	PE-2	3			3		
6	CC	Program Specific Core -2:Full Stack Development/Deep Learning,/Deep Learning/ Intro to Ethical Hacking	3		2	4		
7	LS	Liberal studies -4	1			1		
		Total no of credits				23		

SEMESTER VI

Sl. No	Course code	Course Title	SCHEME OF TEACHING				PREREQUISITE	
			L	T	P	C	SEM	COURSE CODE
1	CS	Application development in the Cloud-studio	2		4	4		
2	CC	Program Specific Core - 3: Compiler Design and System Software/ Big Data Analytics/Big Data Analytics/Cybersecurity with AI	3		2	4		
3	CS	Special Topics -2			4	2		
4	PE	PE-3	3			3		
5	PE	PE-4	3			3		
6	OE	OE-1	3			3		
7	LS	Liberal studies -5	1			1		
8	CC	Program Specific Core – 4: Secure Programming/ Sequence Networks and GAN/Data Visualization/Secure Programming	3		2	4		
					Total no of credits	24		

Operating system Course feedback:
- Members recommended to have 3 Hrs lab for OS course
- Members suggested to keep OS in IV semester

FAFL course Feedback:
- Suggested to keep finite automata as a professional course for all branches as it helps many students to take up Gate exam

CDSS Course feedback:
- Suggested to combine FAFL & CDSS course if possible

Application development in the cloud course feedback:
- 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

7. VII & VIII semester

SEMESTER VII								
Sl. No	Course code	Course Title	SCHEME OF TEACHING				PREREQUISITE	
			L	T	P	C	SEM	COURSE CODE
1	PE	PE - 5	2		2	3		
2	Project	Project / Practice School - I			12	6		

3	Seminar	Seminar		1		1		
				Total no of credits		10		

SEMESTER VIII								

Sl. No	Course code	Course Title	SCHEME OF TEACHING				PREREQUISITE	
			L	T	P	C	SEM	COURSE CODE
1	PE	PE-6	2		2	3		
2	Project	Project/Project School- II			14	7		
		Total no of credits				10		

- 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 works. This can be done by having sufficient no of courses in each semester (8-9 courses including lab courses)

4,5	**Discussion on the scheme & syllabi of 2021-23 CBCS scheme of MTech. CS&E**

It is a 4 semester program with total **80 credit**
It is mentioned that same scheme and syllabus of 2020-22 also applies to 2021-23 batch
SEMESTER I:

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR AU	SCHEME OF TEACHING					SCHEME OF EVALUATION	
					L	T	P	S/P	C	CIA	END EXAM
1	202		MATHEMATICAL FOUNDATIONS FOR EMERGING TECHNOLOGIES	CR	03	02	–	–	05	60	40
2			Programming and Algorithms Studio	CR	03	–	04	–	05	60	40
3			DATA SCIENCE	CR	03	–	04	–	05	60	40
4			DEPARTMENT ELECTIVE – I	CR	03	–	02	–	04	60	40
5			DEPARTMENT ELECTIVE – II	CR	03	–	02	–	04	60	40
6			SPECIAL TOPICS-I	CR		–	–	02	01	50	--
GRAND TOTAL	= 550				15	02	12	02	24	350	200

SEMESTER II:

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR AU	SCHEME OF TEACHING				SCHEME OF EVALUATION	
					L	T	P	S/P	C	CIA	END EXAM

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	L	T	P	S/P	C	CIA	END EXAM
1			BIG DATA ANALYTICS	CR	03	-	04	-	05	60	40
2			AGILE PROJECT MANAGEMENT & DEVOPS	CR	03	-	04	-	05	60	40
3	202		CLOUD COMPUTING & APPLICATIONS	CR	03	02	-	-	05	60	40
4			DEPARTMENT ELECTIVE – III	CR	03	-	02	-	04	60	40
5			DEPARTMENT ELECTIVE – IV	CR	03	-	02	-	04	60	40
6			SPECIAL TOPICS-II	CR		-	-	02	01	50	--
GRAND TOTAL	= 550				15	02	12	02	24	350	200

SEMESTER III

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	SCHEME OF TEACHING					SCHEME OF EVALUATION	
					L	T	P	S/P	C	CIA	END EXAM
1	202		DEPARTMENT ELECTIVE – V	CR	03	-	02	-	04	60	40
2			DISSERTATION-I (INTERNSHIP PROJECT)	CR	-	-	-	24	12	180	120
GRAND TOTAL	= 400				03	-	02	24	16	240	160

SEMESTER IV

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	SCHEME OF TEACHING					SCHEME OF EVALUATION	
					L	T	P	S/P	C	CIA	END EXAM
1			DEPARTMENT ELECTIVE – VI	CR	03	-	02	-	04	60	40
2	202		DISSERTATION-II (INDUSTRY PROJECT)	CR	-	-	-	24	12	180	120
GRAND TOTAL	= 400				03	-	02	24	16	240	160
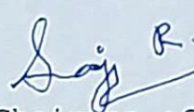
- Final Decisions/Resolutions/Recommendations

Agenda	Decisions/Resolutions/Recommendations
2,3,4,5	• 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 • 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 decide 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 • Decision was taken to have the same scheme and syllabus of MTech CS&E 2020-22 also applies to MTech CS&E 2021-23 batch
6	BoS members suggestions were discussed and appropriate changes were made

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

Agenda	Particulars
1,2,3,4,5,6	BoS Meeting Invitation

Signature of Chairman of BOS with Date

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 : 15th July 2022
- Venue : Block B, DSU
- Time : 9:15 AM

- Members Present :

SL. No	Name	Designation & Affiliation	Signature
1	Dr.Girisha G S	Professor & Chairman, Dept of CS&E Dayananda sagar University	
2	Dr.M N Murty	Professor CS&A, IISc, Bengaluru	
3	Dr. K S Sreedhar	Professor CS&E, Principal, VTU-UBDT College of Engineering, Davangere	
4	Dr. M K Banga	Professor & Dean, Research, Dayananda Sagar University	
5	Dr.Samir Kelekar	Head of Cyber Security, CTO Organization, CISCO, Bangalore	
6	Dr M Shahina Parveen	Professor & Chairman, Dept of CS&T, DSU	

- Members Absent:

SL. No	Name	Designation & Affiliation
1	Mr.Rajnijkanth Lal	Solution Director, HCL Technologies, Bengaluru
2	Mr Vishwanath Shastry	Sr.Director, Retail BU-Harman International Samsung Corporation, Bengaluru
3	Dr. Nagesh Poojary	Head of Computer Vision Group, Continental Corporation India, Bengaluru
4	Dr.S A Sanjay	Professor & Head, Dept of Information Science & Engineering, Nitte Meenakshi Institute of Technology, Bengaluru

- Agenda

SL. No	Particulars
1	Stakeholder feedback on curriculum 2022-23: student, faculty, alumni
2	Deliberations on the BTech 2020 scheme 5th to 8th semester of BTech.CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity
3	Discussion on CBCS syllabi of 5th & 6th Sem (2020 scheme) ofBTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity and approving the same
4	Deliberations on the 2021 scheme 3rd to 8th semester of BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech-Cybersecurity
5	Discussion on CBCS syllabi of 3rd Sem & 4th sem (2021 scheme)and approving the same
6	Discussion on the CBCS syllabi of 7th Semester new Electives of B Tech CS&E (2019 scheme) and approving the same
7	Discussion on CBCS syllabi review of 2nd semester MTech (2021 scheme) and approving the same
8	Discussion on CBCS syllabi of new open electives and approving the same
9	Deliberations on the 2022 CBCS scheme as per NEP 2020 and Discussion on the syllabi of courses of 1st semester and 2nd semester and approving the same.
10	Overall suggestions and directions, Concluding remarks

- Discussions on Agenda

Agenda	Discussions Brief
1	Stakeholder feedback on curriculum 2022-23: student, faculty, alumniand honorable VC were discussed. Based on the feedback collected the following changes in the curriculum have been incorporated; Java Programming, Full Stack Development, Most of the theory courses have been incorporated with integrated Lab. Courses related to Liberal education have been incorporated as per the inputs from the VC Sir.
2	Deliberations on the CBCS 2020 scheme 5th to 8th semesterB.Tech- CS&E were discussed. 1. Suggested to rename the 7th Semester course to from "Informational Retrieval" to "Information Retrieval". 2. The Panel Experts suggested including only Open Electives instead of Professional Electives in the form of MOOCS courses and allowing the students to concentrate on Projects and Internships. 3. The experts suggested including two MOOC courses from NPTEL on Pattern Recognition by Prof P S Sastry and Deep Learning by Prof Nitesh in the MOOC courses list.
3	Discussion on syllabi of 5th & 6th Sem (2020 scheme) of BTech. CS&E, BTech AI & ML, BTech. Data Science & BTech. Cybersecurity and approval of the same 1. Semester wise CBCS Curriculum for 2020 and 2021 were presented.

Syllabi of Third Year B.Tech CSE :(2020 Batch)

Computer Network course(L-3:T-0:P-2:S/P-0:C-4)

feedback:

- Members opined to increase the Theory hours by 1 Hour.
- To reduce the Theory Course content and to go bit deeper into the Subject.

DAA course (L-3:T-0:P-0:S/P-0:C-3) feedback:

Members suggested including a textbook by Steven, Design Manual as a Reference Book.
Microcontroller and Embedded System Course Feedback:

Suggestions were received to remove the content referring to Arduino and to have Raspberry PI on Linux.

UG Research Project-1 course;

It is suggested to extend for both the semesters. It is already incorporated.

OS course feedback:

Members suggested including a textbook by P S Sastry as a Reference Book.

Course Feedback on Secure Programming:
Members have submitted to add topics related web security.

Course Feedback on VLSI:

Members suggested including a Textbook by J D Ullman's, Computational Aspects of VLSI as a Reference Book.

Professional Elective Course(L-3:T-0:P-0:S/P-0:C-3): IOT Feedback:

Members suggested including a Textbook by ÇISCO as a Reference Book titled IOT Fundamentals: Networking Technologies, Protocols.

Course Feedback on AI:

Members suggested including a Textbook by Vallabh Das Gupta as a Reference Book.

Course Feedback on Cloud Computing:

A topic on Security in Cloud was suggested and this topic already exists in the curriculum. More thrust to be given to the applications.

		Course Feedback on Game Theory: It is suggested to include deep learning oriented algorithms basically in the domains of finance and economics. Recommended to include Textbook by Prof. Narahari (It is already included in the text books section
4		Deliberations on 3rd to 8th semester 2021 scheme of BTech-CS&E were discussed (Total credits-160(1st to 8th Sem))
5		Syllabi of 3rd and 4th Semester BTech CSE (2021-scheme) Course Feedback on DMS(L-3:T-0:P-0:S/P-0:C-3): Members suggested including a Textbook by Lewis as a Reference Book. It is recommended to include topics related to Group and Ring Theory. Course Feedback on Introduction to Networks and Cybersecurity(L-3:T-0:P-0:S/P-0:C-3): It is suggested to add topics related to "zero trust" applications. Course Feedback on Management and Entrepreneurship(L-2:T-0:P-0:S/P-0:C-2): Suggested to arrange for Expert lectures on related topics Course Feedback on computational Thinking with python(L-2:T-0:P-2:S/P-0:C-3): It was suggested to add OOPs concepts (it is already incorporated). It was Recommended to run the course as practical rather than theory. Course Feedback on Graph Theory(L-3:T-0:P-0:S/P-0:C-3): Members suggested trimming the topics and reducing the content. Members suggested including a course on Web Application Security and Malware Analysis Lab using Assembly Language for CSE (Cyber Security). It was suggested to include state of the art Protocols as Transport Layer Security in the course Computer Networks and Cyber Security. Course Feedback on Semantic Web(L-3:T-0:P-0:S/P-0:C-3): It is recommended to include topics related to knowledge Graphs 1. Discussion on syllabi of 3rd Sem & 4th Sem (2021 scheme) and approving the same 2. Discussion on the syllabi of 7th Semester new Electives of B Tech CS&E (2019 scheme) and approving the same 3. Discussion on syllabi review of 2nd semester MTech (2021 scheme) and approving the same -
6		New Electives of B Tech CS&E (2019 scheme) were discussed 1. Natural Language Processing (L-3:T-0:P-0:S/P-0:C-3)

			2. AWS Services (TCS Collaboration)(L-3:T-0:P-0:S/P-0:C-3)								

7	Detailed discussion on the syllabi of 2nd semester MTech CSE(2021 scheme) was held for the Course Machine Learning
8	Detailed discussion on the syllabi of new open elective(L-3:T-0:P-0:S/P-0:C-3) and review of existing open elective courses was held for the following courses 1. Foundations of Data science (new course) 2. Web Technologies (existing course reviewed)

9

Deliberations on the BTech CSE CBCS scheme of 2022 as per NEP 2020 and Discussion on the syllabi of courses of 1st semester and 2nd semester and approving the same. (Total credits-160 (1st to 8th Sem))

1. It was recommended to include four Math courses along with practical aspects to facilitate the students who wish to pursue their MS Programme. It is suggested to distribute course delivery among both the Math and CS faculty. The CSE faculty may teach applications of math in the CSE domain whilethe math faculty may deliver core math concepts.

2. Multiple entry and exit criteria as per NEP guidelines as mentioned below were discussed
I year Exit - Certificate
II Year Exit - Diploma (except for lateral entry students)III Year Exit - Advance Diploma
IV Year - Degree

3. For the first year CSE programs, the following courses havebeen proposed to get certification
   1. Fundamentals of Computer Programming
   2. Introduction to Computer System (Architecture of Computer, OS, N/W,DS[Introduction only])
   3. App development

4. Drafted scheme from 1st to 8th semester was presented

I SEM - CHEMISTRY CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR / AU	SCHEME OF TEACHING					PREREQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	101-105 & 121-123	22EN1101	LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS	CR	3	—	—	—	3	*	***
2	101-105 & 1 121-123	22EN1102	C PROGRAMMING FOR PROBLEM SOLVING	CR	2	—	2	—	3	*	***
3	101-105 & 121-123	22EN1103	ENGINEERING CHEMISTRY	CR	3	—	2	—	4	*	***
4	101-105 & 121-123	22EN1104	ELEMENTS OF MECHANICAL ENGINEERING	CR	2	—	2	—	3	*	***
5	101-105 & 121-123	22EN1105	INTRODUCTION TO ELECTRICAL ENGINEERING	CR	3	—	—	—	3	*	***

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR / AU	L	T	P	S/P	C	SEM	COURSE CODE
6	101-105 & 121—123	22EN1106	BIOLOGY FOR ENGINEERS	CR	3	—	—	—	3	*	***
7	101-105 & 121—123	22EN1107	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	CR	1	—	—	—	1	*	***
8	101-105 & 121—123	22EN1108	KANNADA KALI / MANASU	CR	1	—	—	—	1	*	***
					18	—	06	—	21		

I SEM - PHYSICS CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR / AU	SCHEME OF TEACHING					PREREQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	101-105 & 121-123	22EN1101	LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS	CR	3	—	—	—	3	*	***
2	101-105 & 121-123	22EN1102	C PROGRAMMING FOR PROBLEM SOLVING	CR	2	—	2	—	3	*	***
3	101-105 & 121-123	22EN1109	ENGINEERING PHYSICS	CR	3	—	2	—	4	*	***
4	101-105 & 121-123	22EN1110	ENGINEERING MECHANICS	CR	3	—	—	—	3	*	***
5	101-105 & 121-123	22EN1111	INTRODUCTION TO ELECTRONICS	CR	3	—	—	—	3	*	***
6	101-105 & 121-123	22EN1112	ENGINEERING GRAPHICS AND DESIGN THINKING	CR	2	—	2	—	3	*	***
7	101-105 & 121-123	22EN1113	ENVIRONMENTAL SCIENCE	CR	1	—	—	—	1	*	***
8	101-105 & 121-123	22EN1114	TECHNICAL ENGLISH	CR	1	—	—	—	1	*	***
					18	—	06	—	21		

II SEM - CHEMISTRY CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR / AU	SCHEME OF TEACHING					PREREQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	101-105 & 121-123	22EN1201	SINGLE AND MULTIVARIATE CALCULUS	CR	3	—	—	—	3	*	***
2	101-105 & 1 121-123	22EN1202	PYTHON PROGRAMMING FOR PROBLEM SOLVING	CR	2	—	2	—	3	*	***

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR / AU	L	T	P	S/P	C	SEM	COURSE CODE
3	101-105 & 121—123	22EN1103	ENGINEERING CHEMISTRY	CR	3	—	2	—	4	*	***
4	101-105 & 121—123	22EN1104	ELEMENTS OF MECHANICAL ENGINEERING	CR	2	—	2	—	3	*	***
5	101-105 & 121—123	22EN1105	INTRODUCTION TO ELECTRICAL ENGINEERING	CR	3	—	—	—	3	*	***
6	101-105 & 121—123	22EN1106	BIOLOGY FOR ENGINEERS	CR	3	—	—	—	3	*	***
7	101-105 & 121—123	22EN1107	CONSTITUTION OF INDIA AND PROFESSIONAL ETHICS	CR	1	—	—	—	1	*	***
8	101-105 & 121—123	22EN1108	KANNADA KALI / MANASU	CR	1	—	—	—	1	*	***
					18	—	06	—	21		

II SEM - PHYSICS CYCLE

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR / AU	L	T	P	S/P	C	SEM	COURSE CODE
1	101-105 & 121—123	22EN1201	SINGLE AND MULTIVARIATE CALCULUS	CR	3	—	—	—	3	*	***
2	101-105 & 121—123	22EN1202	PYTHON PROGRAMMING FOR PROBLEM SOLVING	CR	2	—	2	—	3	*	***
3	101-105 & 121—123	22EN1109	ENGINEERING PHYSICS	CR	3	—	2	—	4	*	***
4	101-105 & 121—123	22EN1110	ENGINEERING MECHANICS	CR	3	—	—	—	3	*	***
5	101-105 & 121—123	22EN1111	INTRODUCTION TO ELECTRONICS	CR	3	—	—	—	3	*	***
6	101-105 & 121—123	22EN1112	ENGINEERING GRAPHICS AND DESIGN THINKING	CR	2	—	2	—	3	*	***
7	101-105 & 121—123	22EN1113	ENVIRONMENTAL SCIENCE	CR	1	—	—	—	1	*	***
8	101-105 & 121—123	22EN1114	TECHNICAL ENGLISH	CR	1	—	—	—	1	*	***
					18	—	06	—	21		

S.N	Course Type	Course Code	Course Name	Teaching Department	Teaching Hours / Week				Examination				Credits
					Lecture L	Tutorial T	Practical P	Project J	Duration in Hours	CIE Marks	SEE Marks	Total Marks	
1	BSC		All Depts: Transforms and Numerical Techniques	MAT	3	0	0	0	03	60	40	100	3
2	IPCC		CS Cluster & ECE: Data Structures	CSE	3	0	2	0	03	60	40	100	4
3	IPCC		CS Cluster & ECE: Digital Logic Design	ECE	3	0	2	0	03	60	40	100	4
4	PCC		CS Cluster & ECE: Discrete Mathematics and Graph Theory	CSE	3	0	0	0	03	60	40	100	3
5	PCC		CS Cluster & ECE: Introduction to Computer Networks	CSE / ECE	3	0	0	0	03	60	40	100	3
6	AEC		Liberal Studies	Any Dept.	1	0	0	0	01	50	--	50	1
7	SEC		Skill Enhancement Course – I	Resp. Dept.	1	0	2	0	01	100	--	100	2
			Total		17	0	06	0	17	450	200	650	20

Liberal Studies	
Course Code	Course Name
	Drama
	Dance
	Music
	Photography
	Introduction to Japanese language
	Law for Engineers
	Canvas Painting
	Communication in Sanskrit
	Vedic Mathematics
	Critical Thinking
	Introduction to Film Studies
	Yoga & Meditation
	Cyber Crimes, Policies & Laws

Skill Enhancement Course - I	
Course Code	Course Name
	Linux Programming
	MATLAB Programming
	Scripting Languages
	Designing Arduino Circuits using Tinkercad

IV SEMESTER

S.N	Course Type	Course Code	Course Name	Teaching Department	Teaching Hours / Week			Examination					
					Lecture L	Tutorial T	Practical P	Project J	Duration in Hours	CIE Marks	SEE Marks	Total Marks	Credits
1	BSC		All Depts: Probability & Statistics	MAT	3	0	0	0	03	60	40	100	3
2	IPCC		CS Cluster: Design and Analysis of Algorithms	CSE	3	0	2	0	03	60	40	100	4
			ECE: Signals and Systems	ECE	3	1	0	0	03			100	4
3	IPCC		CS Cluster & ECE: Database Management System	CSE	3	0	2	0	03	60	40	100	4
4	IPCC		CS Cluster & ECE: Embedded System Design	ECE	3	0	2	0	02	60	40	100	4
5	PCC		CS Cluster & ECE: Computer Organization and Architecture	CSE	3	0	0	0	03	60	40	100	3
6	SEC		Skill Enhancement Course – II	Resp. Dept.	1	0	2	0	--	100	--	100	2
			Total		16	01	08	0	14	400	200	600	20

Course Code	Course Name
	Programming in C++
	Introduction to Unmanned Aerial Vehicle
	Technical Writing
	Open Source Middleware Components

V SEMESTER

S.N	Course Type	Course Code	Course Name	Teaching Department	Lecture L	Tutorial T	Practical P	Project J	Duration in Hours	CIE Marks	SEE Marks	Total Marks
1	IPCC		Finite Automata & Formal Languages	CSE	3	0	0	0	03	60	40	100
2	PCC		Software Engineering & Project Management	CSE	3	0	0	0	03	60	40	100
3	IPCC		Machine Learning	CSE	3	0	2	0	03	60	40	100
4	IPCC		Introduction to Web & Java Programming	CSE	3	0	2	0	03	60	40	100
5	IPCC		Operating System	CSE	3	0	2	0	03	60	40	100
6	PEC		Professional Elective Course – I / MOOC	CSE	3	0	0	0	03	60	40	100
7	SEC		Special Topics	CSE	0	0	0	2	01	50	--	50
8	SEC		Skill Enhancement Course – III	CSE	1	0	2	0	01	100	--	100
			Total		18	01	10	02	20	510	240	750

Course Code	Course Name
	R Programming
	DevOps
	Copilot-code generation tool
	Python Libraries for Machine Learning
	Spring Boot
	Tableu & RapidMiner
	Django & Flask
	Node JS, React JS, GraphQL

VI SEMESTER

S.N	Course Type		Course Name	Teaching	Teaching Hours / Week	Examination

S.N	Course Type	Course Code	Course Name	Teaching Department	Lecture L	Tutorial T	Practical P	Project IJ	Duration in	CIE Marks	SEE Marks	Total Marks	Credits
1	HSMC		Management and Entrepreneurship	CSE	3	0	0	0	03	60	40	100	3
2	IPCC		Computer Networks	CSE	3	0	2	0	03	60	40	100	4
3	IPCC		Compiler Design & System Software	CSE	3	0	2	0	03	60	40	100	4
4	OEC		Open Elective – I	CSE	3	0	0	0	03	60	40	100	3
5	PEC		Professional Elective Course – II / MOOC	CSE	3	0	0	0	03	60	40	100	3
6	PEC		Professional Elective Course – III / MOOC	CSE	3	0	0	0	03	60	40	100	3
7	PROJ		Minor Project	CSE	0	0	0	2	01	50	--	50	1
8	INT		Internship	Evaluation – Respective Dept.	Completed during intervening period of IV and V sem				03	100	--	100	2
			Total		17	0	4	2	22	510	240	750	23

VII SEMESTER

S.N	Course Type	Course Code	Course Name	Teaching Department	Lecture L	Tutorial T	Practical P	Project J	Duration in Hours	CIE Marks	SEE Marks	Total Marks	Credits
1	HSMC		Fundamentals of Economics	CSE	2	0	0	0	03	60	40	100	2
2	OEC		Open Elective – II	CSE	3	0	0	0	03	60	40	100	3
3	PEC		Professional Elective Course – IV / MOOC	CSE	3	0	0	0	03	60	40	100	3
4	PEC		Professional Elective Course – V / MOOC	CSE	3	0	0	0	03	60	40	100	3
5	PROJ		Major Project- Phase 1	CSE	0	0	0	6	03	60	40	100	3
			Total		12	0	0	6	15	300	200	500	14

VIII SEMESTER

S.N	Course Type	Course Name	Teaching Department	Lecture L	Tutorial T	Practical P	Project J	Duration in Hours	CIE Marks	SEE Marks	Total Marks	Credits
1	PEC	Blockchain Technology	CSE	3	0	0	0	03	60	40	100	3
2	PROJ	Major Project-Phase 2	CSE	0	0	0	22	03	60	40	100	11
3	INT	Research Internship/ Industry Internship	CSE	0	0	6	0	03	--	100	100	03

			PEC-I		PEC-II		PEC-III		PEC-IV		PEC-V	
			Total	3	0	6	22	09	120	180	300	17

PROFESSIONAL ELECTIVE COURSES

S.No	Domain in which	Domain Clusters	PEC-I (5th Semester)		PEC-II (6th Semester)		PEC-III (6th Semester)		PEC-IV (7th Semester)		PEC-V (7th Semester)	
			Course Code	Course Name	Course Code	Course Name	Course Code	Course Name	Course Code	Course Name	Course Code	Course Name
1	Domain-1	Machine Learning		Digital Image Processing		Deep Learning		Machine Learning for HealthCare		Natural Language and Speech Processing		Automated Driving Assistance Systems
				Pattern recognition		Computer Vision		Biomedical Image and Signal Processing		AI & ML for Robotics		Reinforcement learning
2	Domain-2	Gaming, Animation and Immersive Learning		Computer Graphics		Animation &VFX		Game Development		Augmented Reality and Virtual Reality		UI/UX Design
3	Domain-3	Networks, IOT, Cloud & Security		Cloud Computing		Internet of Things		Cryptography		Wireless Networks		Industrial Automation
								Cloud & IoT Security		Open Cloud Web Services		Cybersecurity
4	Domain-4	Data Science		Cloud Data warehouse and Data Lakes		Data Analytics		Information Retrieval		Social Networks Analytics		Business Intelligence
5	Domain-5	General Computer Science		Mobile Computing Apps Development		Agile Methodology		Software Testing		Object Oriented Modelling & Design		Human Computer Interface
				MOOC		MOOC		MOOC		MOOC		MOOC
				Robotic Process Automation		UG Research Project-I/Product Development Foundation-I		Quantum Computing		UG Research Project-II/Product Development Foundation-II		Digital Forensic Science

OPEN ELECTIVE COURSES

Open Elective-I		Open Elective-II	
Course Code	Course Name	Course Code	Course Name
	Fundamentals of Cloud Computing		Object Oriented programming with Java
	Introduction to IoT		Web Technologies

5. It was discussed that the first year syllabus draft will be shared through email to the BoS members for the final approval

- Overall suggestions and directions, Concluding remarks

Agenda	Decisions/Resolutions/Recommendations
1-9	- Decision was taken to include only Open Electives instead of Professional Electives in the form of MOOCS courses and relieving the students from coming to the college and allowing them to concentrate on Projects and Internships for the Final Year students. - Decision was taken to include two MOOC courses from NPTEL on Pattern Recognition by Prof P S Sastry and Deep Learning by Prof Nitesh in the MOOC courses list

B.Tech CSE (2020 scheme) 5th and 6th Semester:

Computer Network course (L-3:T-0:P-2:S/P-0:C-4)

- Members opined to increase the Theory hours by 1 Hour.
- To reduce the Theory Course content and to bit deeper into the Subject.

For the DAA course (L-3:T-0:P-0:S/P-0:C-3)

A Textbook by Koyna to be included as a Reference Book.

For OS course feedback

A Textbook by P N Sastry as a Reference Book.

For Microcontroller and Embedded System Course

Suggestions were received to remove the content referring to Arduino and to have RaspberryPI on Linux.

Course Feedback on VLSI:

Members suggested including a Textbook by J D Ullman's, Computational Aspects of VLSI as a Reference Book.

Course Feedback on IOT:

Members suggested including a Textbook by CISCO as a Reference Book titled IOT Fundamentals: Networking Technologies, Protocols.

Course Feedback on AI:

A Textbook by Vallabh Das Gupta was recommended as a Reference Book.

Course Feedback on Cloud Computing:

A topic on Security in Cloud to be included

Renamed the 7th Semester course to "Information Retrieval".

B.Tech CSE (2021 scheme) 3rd and 4th Semester:

Course Feedback on DMS
A Textbook by Lewis has been included as a Reference Book.

Course Feedback on Graph Theory Course:

Members suggested to make the course less complex.

	Decision was taken to include four Math courses for 1st year BTech CSE programmes (2022 scheme)
	Recommended to adopt CBCS structure for the following categories of courses: Fundamental core, professional core, Professional elective, Open elective, liberal studies, Internship and Project

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

Agenda	Particulars
	BoS Meeting Invitation
1-9	Proceedings of the BoS Meeting

Signature of Chairman of BOS with Date

: Dept. of Computer Science & Engineering
: School of Engineering
· **Dayananda Sagar University**
Kudlu Gate, Hosur Main Road,
Bengaluru

Board of Studies - Computer Science and Technology Year-2020

Sl. No.	Name	Affiliation & contacts	Designation	Email
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11	Prof.Srinivas	Dean, SOE,DSU	Special Invitee	dean-engg@dsu.edu.in
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13	Dr. Sanjay Chitnis	Professor & Chairman, Dept. of CSE	Member	chairman-cse@dsu.edu.in

Chairperson
Dept. of Computer Science & Technology
School of Engineering
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Dayananda Sagar University
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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.

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

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 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

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

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.	Single custom made book to be prepared

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

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

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

DEPARTMENT OF COMPUTER TECHNOLOGY

2018-19

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	HPKincha
4.	Prof. Puttamadappa	
5.	Dr. A. Srinivas	
6.	Mr.Aravindan Sitaram	
7.	Dr. Satheesh K S Sateesh K S	K Sat
8.	Dr. M. R. Sholapur	
9.	Prof. Capt. Rao	27/02
10.	Mr. NC Sriraman	NCSriraman
11.	Dr. S D Sudarsan	
12.	Mr. Shankar H.N	Shankar 27/2
13.	Mr. Anurag Jalan	Anurag Ji
14.	Dr. Balaji	Balaji
15.	Dr. M K Banga	27/02/19
16.	Dr. I.K.Sateesh	

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

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

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

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.

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

Dayananda Sagar University

School of Engineering

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
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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

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

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

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

Dayananda Sagar University

School of Engineering, Kudlu Gate,
Hosur Main Road,
Bengaluru - 560068

Department of Electronics and Communication Engineering

Board of Studies (BOS) May-2022 (UG Programme of Dayananda Sagar University).
Minutes of meeting – 17th May 2022

Agenda

1. Review of the 3rd year (5th and 6th Sem) Syllabus for New Scheme(60:40) B.Tech (ECE) 2020-24
2. Finalization of the 4th year (7th and 8th Sem) Syllabus for New Scheme B.Tech (ECE) 2019-23
3. Review of the Syllabus (1st and 2nd Sem) and scheme B.Tech (ECE)
4. Major and Minor Degree
5. NEP2020
6. Students Feedback on Curriculum for 2019 -2023
7. Relook into credit assigned to modules of the Subjects.

Board of Studies of Electronics and Communication Engineering Meeting held on 17-05-2022 at 9.30 am A block Broad room and also few members joined virtually on Google meet platform:

- Chairman welcomed all the External and Internal BOS Members.
- Chairman briefed about the agenda of meeting.
- The 2019-2023 Syllabus was discussed in length and suggestions and inputs for Syllabus were noted.
- Chairman briefed about the syllabus of basic electronics and basic electrical.
- Projects can be renamed as Minor Projects I/II and evaluation pattern should be clearly defined.
- Distribution of the teaching hours should be uniform for all five modules.
- Credit assignment and content of syllabus should be matched.
- Students Feedback on Curriculum for 2019 -2023 is discussed. Points to be mentioned in Feedback rather than numbers
- Major and Minor subjects discussed and finalized.
- NEP Document presented<need more discussion and ellobration.
- Common format should be maintained for all the subject before going for the hardbound of the syllabus
- Dr. Gayathri K. M. and Mrs. Shweta M P of the department noted the minutes of the meeting and readout the complete BOS proceedings.
- Chairman of the Department proposed vote of thanks for the valuable inputs given by the External BOS Members.

UG: 7th and 8th Semester – 2019 Course Matrix

Sl.No	Semester	Subject Title	Suggestions by the BOS Committee
1.	7th	ROBOTICS AND CONTROL SYSTEMS	- Credits and hours should be matched properly - Include Practical's wherever necessary - Basics of Control should be included as one module - As per the requirement of the subject prerequisite should be included properly - Syllabus has to be changed to 52 hours including Tutorials
2.	7th	ANTENNAS AND WAVE PROPAGATION	No Change
3.	7th	PROGRAM ELECTIVE – IV OPTICAL COMMUNICATIONS AND NETWORKING	No Change
4.	7th	MIXED MODE VLSI SIGNAL DESIGN Analog Mixed Signal VLSI Design	- Rename the subject as Analog Mixed Signal VLSI Design - Hours should be uniformly distributed in the syllabus properly - Module 3 syllabus can be replaced with PLL, Frequency synthesizer, Sigma –Delta and Analog RF related concepts. - Module 4 syllabus can be reframed with Sub-micron concepts.
5.	7th	FUNDAMENTALS OF EMBEDDED LINUX (EMBEDDED LINUX)	- The word Fundamental should be avoided in the title of the course - Credits mismatch, it should be the 3 credit course - Syllabus should be framed for 39 hours - Module 1 and Module 2 should be reframed - Concepts of Linux programming and Overview of Operating system/Kernel can be included
6.	7th	VLSI TESTING AND TESTABILITY	- No Change - Kindly add Text book for the subject Bushnell and P K Lala
7.	7th	SENSOR AND INTERFACING DEVICES	Title should be changed to Sensors and Signal Conditioning

		(Sensors and Signal Conditioning)	• Module 3 contents are not related to the title • Module 5 can be on application based
8.	7th	**Program Elective – V** **SENSOR NETWORK AND PROTOCOLS**	• Title should be reframed to Sensors, Network and Protocols • Contents of the syllabus should be mapped to Text books
9.	7th	LOW POWER VLSI	• Flow of the Syllabus content should be reframed. • Text books Gary and Heap should be added • Unipower format Concepts can be introduced as 1 module
10.	7th	LINUX DEVICE DRIVERS	• Credits mismatch, it should be the 3 credit course • Syllabus contents should be framed for 39 hours •
11.	7th	NETWORK SECURITY	• No change
12.	7th	VLSI TECHNOLOGY (VLSI Process Technology)	• Change the title into VLSI Process Technology
13.	7th	EMBEDDED SYSTEMS AND ROBOTICS (Embedded System and Automation)	• Title should be reframed to Embedded System and Automation • Credits mismatch, it should be the 3 credit course • Syllabus contents should be framed for 39 hours • Syllabus should be framed as general topics related to title of the course • Word Open source should be avoided • Module 5 case study can be reframed to applications
14.	8th	PROGRAM ELECTIVE – VI WIRELESS SENSOR NETWORKS	• No Change
15.	8th	HARDWARE ARCHITECTURE FOR AI	• Title can be reframed to Hardware platform for AI • Reduce the contents in module 4 • Setup lab using existing resources
16.	8th	ADVANCED EMBEDDED SYSTEMS	• Introduce RISC V Architecture • From module 4 move some contents to other modules
17.	8th	SATELLITE COMMUNICATION	• Add PSLV to syllabus

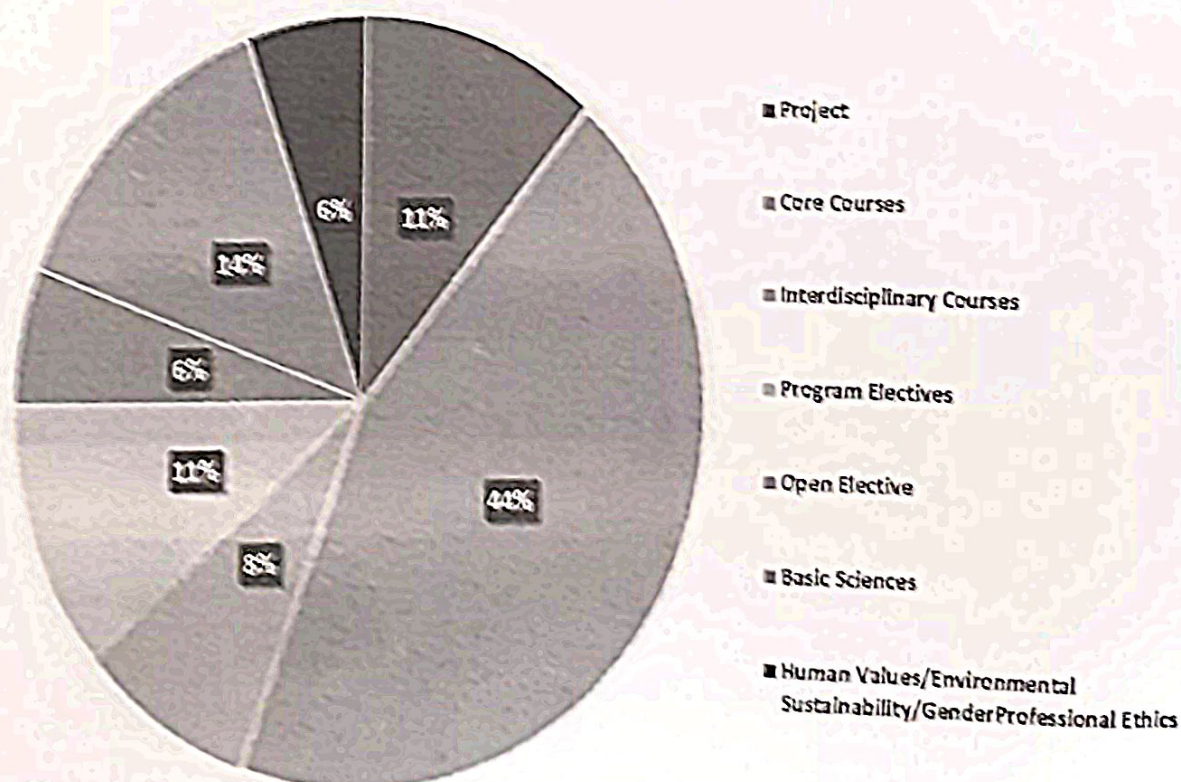| 18.	8th	VLSI - DIGITAL SIGNAL PROCESSING	• In module 2 add Fast adders and Multipliers
19.	8th	SIGNAL CONDITIONING AND DATA ACQUISITION	• In module 1 add Instrumentation amplifiers • Contents in module3 can be moved to module1
20.	8th	Project work phase1 and phase2	• Project work title for 7th semester and 8th semester should be reframed to project1 and project2

UG: 1st and 2nd Semester – 2021 Course Matrix

Sl.No	Semester	Subject Title	Suggestions by the BOS Committee
1	1st /2nd	Basic Electrical	• No Change
2	1st /2nd	Basic Electronics	• No Change

1. The Board of Studies finalized the following scheme and syllabus for B.Tech(ECE) 2019-23. The detailed scheme for 7th and 8th semesters are given as follows:

SCHEME - B.TECH - 2019 -23

Pie Chart-Scheme Distribution

- Project
- Core Courses
- Interdisciplinary Courses
- Program Electives
- Open Elective
- Basic Sciences
- Human Values/Environmental Sustainability/GenderProfessional Ethics

VII SEM - ELECTRONICS & COMMUNICATION ENGINEERING

Sl. No.	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU/CR	Scheme of Teaching				
					L	T	P	S/P	C
1	102	19EC4701	Robotics and Control Systems	CR	03	01	--	--	04
2	102	19EC4702	Antennas and Wave Propagation	CR	03	01	--	--	04
3	102	19EC47XX	Program Elective -IV	CR	03	--	--	--	03
4	102	19EC47XX	Program Elective -V	CR	03		--	--	03
5	102	19OEXXXX	Open Elective-III	CR	03	--	--	--	03
6	102	19EC4703	Projet Stage -I	CR	--	--	--	04	02
			Grand Total		15	02	--	04	19

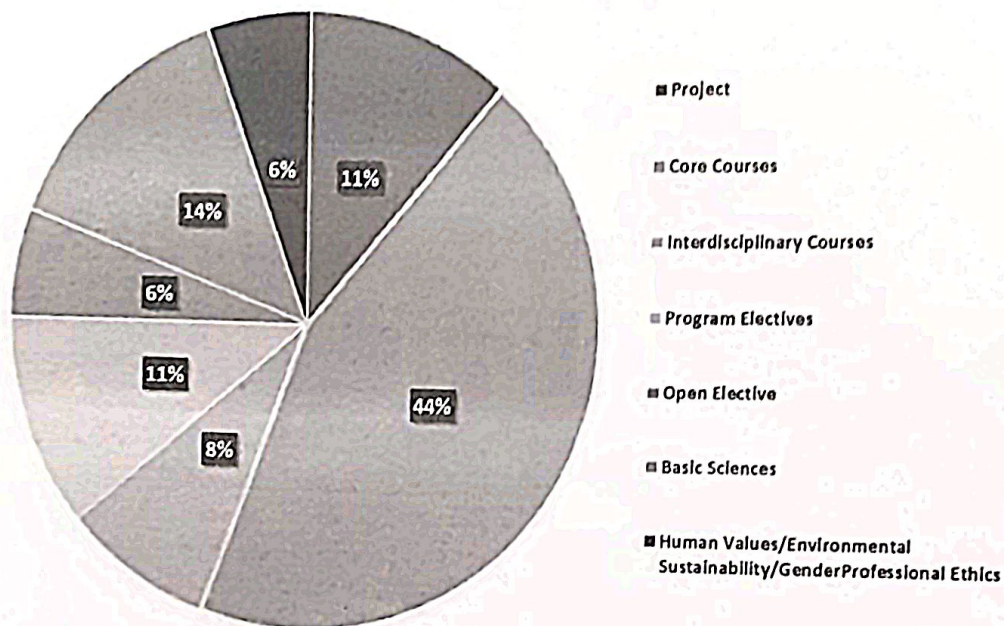## VIII SEM - ELECTRONICS & COMMUNICATION ENGINEERING

Sl. No.	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU/CR	Scheme of Teaching				
					L	T	P	S/P	C
1	102	19EC48XX	Program Elective –VI	CR	03	--	--	--	03
2	102	19EC4801	Projet Stage -II	CR	--	--	--	20	10
			Grand Total		03	--	--	20	13

2. The Board of Studies reviewed and recommended the program to be delivered for B.Tech (ECE) 2020-24 as follows:

SCHEME - B.TECH – 2020-24

Pie Chart-Scheme Distribution

- Project
- Core Courses
- Interdisciplinary Courses
- Program Electives
- Open Elective
- Basic Sciences
- Human Values/Environmental Sustainability/GenderProfessional Ethics

V SEM - ELECTRONICS & COMMUNICATION ENGINEERING

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	$\frac{AU}{CR}$	Scheme of Teaching				
					L	T	P	S/P	C
1	102	20EC3501	Analog and Digital Communication	CR	3	-	2	-	4
2	102	20EC3502	Probability Theory and Stochastic Processes	CR	3	1	-	-	4
3	102	20EC3503	CMOS VLSI Design	CR	3	-	2	-	4
4	102	20EC3504	Digital Signal Processing	CR	3	-	2	-	4
5	102	20EC35XX	Program Elective – I	CR	3	-	-	-	3
6	102	20OEXXXX	Open Elective-I	CR	3	-	-	-	3
7	102	20EC3505	Special Initiatives -III		-	-	-	4	2
	GRAND TOTAL				18	1	6	4	24

VI SEM - ELECTRONICS & COMMUNICATION ENGINEERING

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	$\frac{AU}{CR}$	Scheme of Teaching				
					L	T	P	S/P	C
1	102	20EC3601	RF and Microwave Communication	CR	03	--	02	--	04
2	102	20EC3602	Networking and Communication	CR	03	--	02	--	04
3	102	20EC3603	Power Electronics	CR	03	--	02	--	04
4	102	20EC36XX	Program Elective -II	CR	03	--	--	--	03
5	102	20EC36XX	Program Elective –III	CR	03	-	--	--	03
6	102	20OEXXXX	Open Elective-II	CR	03	--	--	--	03
	GRAND TOTAL				18	--	06	—	21

3.   The Board of Studies reviewed and approved the syllabus and scheme to be delivered for B.Tech (ECE) First year students as follows:
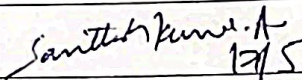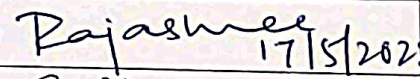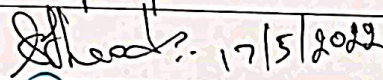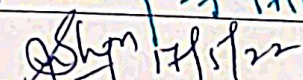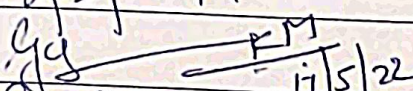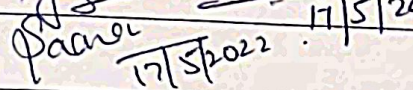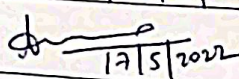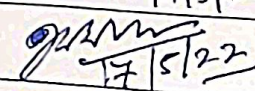
SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	$\frac{AU}{CR}$	Scheme of Teaching				
					L	T	P	S/P	C
1	101-105 & 121-123	21EN1105	INTRODUCTION TO ELECTRICALENGINEERING	CR	3	-	-	-	3
2	101-105 & 121-123	21EN1111	INTRODUCTION TO ELECTRONICS	CR	3	-	-	-	3

Bengaluru, Karnataka, India
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Long 77.641888°
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Long 77.641906°
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Chairman
Department of Electronics & Communication Engineering
School of Engineering
Dayananda Sagar University, Bengaluru

List of BoS Members Present

BOS MEMBERS	Signatures
Dr. Vaibhav Mesharam Chairman Department of ECE , SOE, DSU	*(signature)*
Dr. Ravish Aradhya H V, Professor, Dept. of ECE, RVCE, Bangalore	*(signature)* 17/5
Mr. C P Ravikumar, Texas Instrument	ONLINE meet.google.com/ffi-bgem-zbd
Dr. Cyril Raj MS College of Engineering Bangalore	ONLINE meet.google.com/ffi-bgem-zbd
Mr. Santhosh Adinarayana, Maxim Integrated India Pvt Ltd.	*(signature)* Santhosh kumar. A 17/5
Dr.Narasimha kaulgud, Professor, NIE Mysore	ONLINE
Dr Kiran A Gupta DSCE Bangalore	*(signature)* 17/5/22
Mr. Abhinav G A, Alumni 2016 Batch Research Engineer Continental Indial Pvt Lts	ONLINE meet.google.com/ffi-bgem-zbd
Mr.Abhishek Alumni 2017 Batch Design Engineer L&T Infotech	ONLINE meet.google.com/ffi-bgem-zbd
Dr. Rajashre.N, Department of ECE , SOE, DSU	Rajashree 17/5/2022
Dr. Puspha P V Department of ECE , SOE, DSU	*(signature)* 17.5.2022
Dr. Theoder Chandra Department of ECE , SOE, DSU	*(signature)* 17/5/2022
Dr. Arungalai Vendan Department of ECE , SOE, DSU	*(signature)* 17/5/2022
Dr. Pusphamala S Department of ECE , SOE, DSU	*(signature)* 17/5/22
Dr. Gayathri K M Department of ECE , SOE, DSU	*(signature)* KM 17/5/22
Dr. Saara K Department of ECE , SOE, DSU	*(signature)* 17/5/2022
Mr. Abhinav Karan Department of ECE , SOE, DSU	*(signature)* 17/5/202
Mr. Puneeth S Department of ECE , SOE, DSU	S.Puneeth 17/5/2022
Mrs. Anna Merian George Department of ECE , SOE, DSU	*(signature)* 17/5/2022
Dr.Rupam B Department of ECE , SOE, DSU	*(signature)* 17/5/22

20th May 2022

ACTION TAKEN REPORT

1. The suggestions were implemented in the syllabus as recommended in the 9th BoS meeting held on 17th May 2022.

2. Members suggested that the feedback collected is having only percentage (numbers) and based on this conclusion cannot be arrived, so we have incorporated comments in the feedback form where students can comment about the individual course.

3. Common format for syllabus to be followed for all courses.

Chairman ECE

Chairman,
Dept. of Electronics and Communication Engineering
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru - 560 068

Board of Studies (BOS) May-2022 (UG Programme of Dayananda Sagar University).

Minutes of meeting – 8th May 2021

Agenda

1. Review of the 2nd year (4th and 5th Sem) Syllabus for New Scheme (60:40) B.Tech (ECE) 2020-24
2. Finalization of the 3rd year (7th and 8th Sem) Syllabus for New Scheme B.Tech (ECE) 2019-23
3. Review of the Scheme and Syllabus (1st and 2nd Sem) and scheme B.Tech (ECE)
4. Major and Minor Degree
5. NEP 2020
6. Students Feedback on Curriculum for 2019 -2023
7. Approval of revised mission and vision.

Minutes of the Board of Studies of Electronics and Communication Engineering Meeting held on 17-05-2022 virtually on Google meet platform at 09:30 am:

The following members were present during the online meeting

BOS MEMBERS PRESENT	
Dr. Vaibhav Mesharam Chairman Department of ECE , SoE, DSU	Dr. Arungalai Vendan Department of ECE , SOE, DSU
Dr. Ravish Aradhya H V, Professor, Dept. of ECE, RVCE, Bangalore	Dr. Pusphamala S Department of ECE , SoE, DSU
Mr. C P Ravikumar, Texas Instrument	Dr. Gayathri K M Department of ECE , SoE, DSU
Dr. Cyril Raj	Dr. Sneha Sharma Department of ECE , SoE, DSU
Mr. Santhosh Adinarayana, Maxim Integrated India Pvt Ltd.	Mr. Abhinav Karan Department of ECE , SoE, DSU
Dr.Narasimha kaulgud, Professor, NIE, Mysore	Mr. Puneeth S Department of ECE , SoE, DSU
Dr Kiran A Gupta, DSCE	Mrs. Anna Merian George Department of ECE , SoE, DSU
Mr. Abishek S Alumini, L & T	Mrs. Manasa K R Department of ECE , SoE, DSU
Mr. Abhinav G A, Alumini	Mrs. Kanmani BS Department of ECE , SoE, DSU
Dr. Rajashee N, Department of ECE , SoE, DSU	Mrs Kokila S Department of ECE , SoE, DSU
Dr. Puspha P V Department of ECE , SOE, DSU	Dr. Theodore Chandra Department of ECE , SoE, DSU

- ✓ Chairman welcomed all the External and Internal BOS Members.
- ✓ Chairman briefed about the agenda along with the introduction of Alumni members.
- ✓ The 2019-2023 Course Scheme was discussed in length and suggestions and inputs for Scheme and Syllabus were noted.
- ✓ Chairman briefed about the 2021 scheme and syllabus of basic electronics and basic electrical.
- ✓ Chairman seek the approval to include the subjects with respective to the MOU signed with BOSCH Rexroth.
- ✓ Chairman seeks the approval for revised mission and vision of the department.
- ✓ It is suggested to have **ONE PROPER TEXT BOOK** for framing the syllabus at the Undergraduate Level.
- ✓ Special initiatives can be renamed as Minor Projects I/II and evaluation pattern should be clearly defined.
- ✓ BoS strongly suggested to make embedded system design as a core subject.
- ✓ BoS suggested to make Information theory and coding as a core subject.
- ✓ Distribution of the teaching hours should be uniform for all five modules.
- ✓ BoS suggested to reorganize the contents for subjects such as C programming for embedded System, Embedded system design and Real time Embedded systems.
- ✓ Alumni members suggested to push the subjects like antenna wave propagations and power electronics before seventh semester as this subject highly demands concentration and time.
- ✓ Common format should be maintained for all the subject before going for the hardbound of the syllabus
- ✓ Dr. Gayathri K. M. of the department noted the minutes of the meeting and readout the complete BOS proceedings.
- ✓ Chairman of the Department proposed vote of thanks for the valuable inputs given by the External BOS Members.

REVISED VISION STATEMENT:

- To create innovative Engineers and Entrepreneurs with technological excellence, professional commitment, and social responsibility for serving national and global needs.

REVISED MISSION STATEMENT:

- Inculcate Academic Excellence through innovative teaching and learning processes and espousing appropriate pedagogical parameters.
- Reinforce the Students with desired technical aptitude, entrepreneurial and leadership skill sets enabling them to face the challenges of globalization and technological sophistication.
- Initiation with understanding the psychology of students, socio-cultural aspects of the bidirectional learners, vitality of interdisciplinary approach, value addition through interactive and collaborative learning. This is followed by systematic and sequential implementation of syllabus upgradations on par with industrial revolution.

SLNo	Semester	Subject Title	Suggestions by the BOS Committee
1.	5th	Analog and Digital Communication	• TDM concept can be removed if it is not much relevant. • Include multirate sampling, sampling rate conversion, one or two topics of new trends of communication. • Alumni suggested one module should be on application
2.	5th	PTSP	• The subjects can be correlated to the applications of engineering domains such as signal processing, Machine learning, Data science • The open-ended problems can included from the domains such as communication, control, verification and so on • The team of analog and digital communication and PTSP can frame 5th module syllabus in terms of application or case studies which account for mini projects.
3.	5th	CMOS VLSI design	• Finfets and memsistors can be removed or pushed to advanced subjects of VLSI • Include MOS model parameters and Scaling concepts
4.	5th	Digital Signal Processing	• BoS members suggested to open a new elective on DSP Architecture and Algorithms implementation.
5.	5th	Information theory and coding	• No change
6.	5th	MEMS	• No Change
7.	5th	C Programing for embedded system	• Module 1 and 2 can be combined • Include more concepts on interfacing with output devices and sensors. • Basics C concepts can be removed as it is thought prior • The textbook provided covers only the basic of C, which will not emphasize on embedded system. Hence provide proper textbook which emphasize on

			both such as " Peterson for embedded C programming" • Application of this subject should bring in terms of case studies • Clearly define the syllabus is for embedded systems or it is C programming.
8.	5th	PLC (Introduced New Subject related to Bosch Rexroth Lab) Request for the code	• No Change
9.	6th	RF and microwave	• No Change
10.	6th	Power Electronics	• Include in module 5 the concepts related to battery and battery charging which is more relevant to electric vehicles. • Ned Mohan can also be included as a textbook
11.	6th	Analog VLSI Design	• No change • Needs clarity on one stage opamp
12.	6th	Embedded System design	• Module 5 can be a part of embedded programming • Include Overview of operating systems. • Some of the topics such as traffic light sequencing can be moved to C programming for embedded system. • Module 3 is repetition. • After the scrutiny of 5th Sem and 6th Sem subjects, members opinioned to reorganize the contents in embedded system design and C programming for embedded system • Alumni suggested the following points from industry perspective ➢ Module 1 and 2 should be the specification of applications ➢ Pointers and structures can be elaborated. ➢ Include RAM and ROM read and writing ➢ Include HSM (Hardware Security Module)
13.	6th	Digital IC design	• Include the concept of metastability • Focus on few concepts and specify the adders.
14.	6th	Digital Image Processing	• No Change

15.	6th	Industry 4.0(Introduced New Subject related to Bosch Rexroth Lab) Request for the code	- Can be renamed as IIoT (Industrial IoT) - Check the availability of textbook which is mentioned, and also selection of the good textbook is very important at UG level. - TCP/IP is already introduced in networking subject, hence can be removed. - The syllabus should be reorganized. - Members suggested to emphasize on history, evolution and introduction about IIOT.

UG: 1st and 2nd Semester – 2021 Course Matrix

Sl.No	Semester	Subject Title	Suggestions by the BOS Committee
1	1st /2nd	Basic Electrical	▪ No Change
2	1st /2nd	Basic Electronics	▪ No Change
3	Scheme 2021-2025	B.Tech (ECE)	▪ No Change

1. The Board of Studies finalized the following scheme and syllabus for B.Tech(ECE) 2019-23. The detailed scheme for 5th and 6th semesters are given as follows:

SCHEME - B. TECH – 2019 -20

Pie Chart-Scheme Distribution
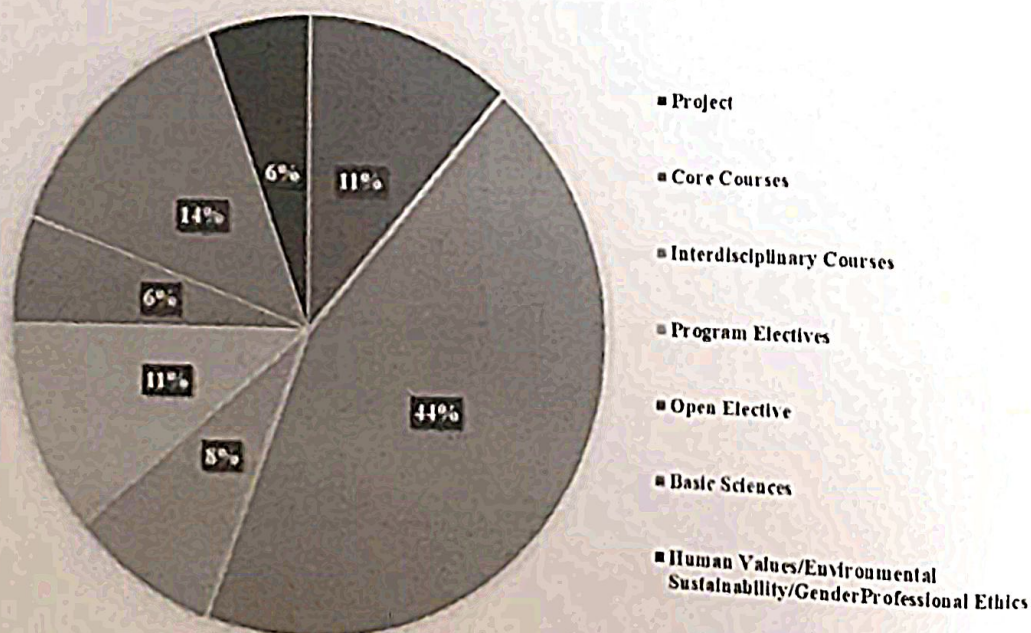
- Project
- Core Courses
- Interdisciplinary Courses
- Program Electives
- Open Elective
- Basic Sciences
- Human Values/Environmental Sustainability/GenderProfessional Ethics

(6%, 11%, 14%, 6%, 11%, 8%, 44%)

V SEM - ELECTRONICS & COMMUNICATION ENGINEERING

Sl. No.	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU/CR	Scheme of Teaching				
					L	T	P	S/P	C
1	102	19EC3501	Analog and Digital Communication	CR	03		02		04
2	102	19EC3502	Probability Theory and Stochastic Processes	CR	03	01	--		04
3	102	19EC3503	CMOS VLSI Design	CR	03	--	02		04
4	102	19EC3504	Digital Signal Processing	CR	03		02		04
5	102	19EC35XX	Program Elective – I	CR	03		--		03
6	102	19OEXXXX	Open Elective-I	CR	03	--	--		03
7	102	19EC3505	Special Initiatives -III	CR	--	--		04	02
			Grand Total		18	01	06	04	24

SCHEME-B.TECH – 2019-20

VI SEM - ELECTRONICS & COMMUNICATION ENGINEERING

Sl. No.	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU/CR	Scheme of Teaching				
					L	T	P	S/P	C
1	102	19EC3601	RF and Microwave Communication	CR	03	--	02	--	04
2	102	19EC3602	Networking and Communication	CR	03	--	02	--	04
3	102	19EC3603	Power Electronics	CR	03	--	02	--	04
4	102	19EC36XX	Program Elective - II	CR	03	--	--	--	03
5	102	19EC36XX	Program Elective –III	CR	03	--	--	--	03
6	102	19OEXXXX	Open Elective-II	CR	03	--	--	--	03
			Grand Total		18	--	06	--	21

2. The Board of Studies recommended that the program be delivered for B.Tech (ECE) 2020-24 as follows:

Pie Chart-Scheme Distribution

- Project
- Core Courses
- Interdisciplinary Courses
- Program Electives
- Open Elective
- Basic Sciences
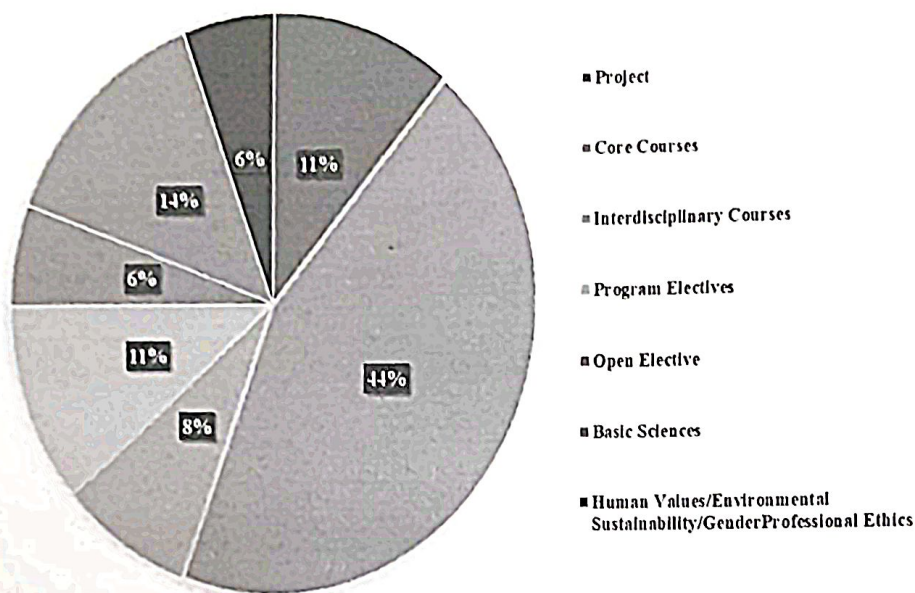- Human Values/Environmental Sustainability/GenderProfessional Ethics

SCHEME - B.TECH – 2020-21

III SEM - ELECTRONICS & COMMUNICATION ENGINEERING

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU/CR	Scheme of Teaching				
					L	T	P	S/P	C
1	102	20EC2301	ENGINEERING MATHEMATICS-III	CR	3	1	-	-	4
2	102	20EC2302	ANALOG CIRCUITS	CR	3	-	2	-	4
3	102	20EC2303	DIGITAL SYSTEM DESIGN WITH VERILOG	CR	3	-	2	-	4
4	102	20EC2304	NETWORK ANALYSIS	CR	3	1	-	-	4
5	102	20ENC001	ENGINEERING ECONOMICS	CR	2	-	-	-	2
8	102	20EC2305	SPECIAL INITIATIVES -I	CR	-	-	-	4	2
GRAND TOTAL					14	2	4	4	20

SCHEME - B. TECH – 2020 -21 ONWARDS
IV SEM - ELECTRONICS & COMMUNICATION ENGINEERING

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU / CR	Scheme of Teaching				
					L	T	P	S /P	C
1	102	20EC2401	SIGNALS AND SYSTEMS	CR	3	1	-	-	4
2	102	20EC2402	COMPUTER SYSTEM ARCHITECTURE	CR	3	1	-	-	4
3	102	20EC2403	MICROCONTROLLERS	CR	3	-	2	-	4
4	102	20EC2404	ELECTROMAGNETIC WAVES	CR	3	-	2	-	4
5	102	20ENC002	LAW FOR ENGINEERS	CR	2	-	-	-	2
6	102	20EC2405	SPECIAL INITIATIVES -II	CR	-	-	-	4	2
	GRAND TOTAL				14	2	4	4	20

3.   The Board of Studies reviewed and approved the syllabus and scheme to be delivered for B.Tech (ECE) 2021-25 as follows:

SL	PROGRAM CODE	COURSE CODE	COURSE TITLE	AU / CR	Scheme of Teaching				
					L	T	P	S /P	C
1	101-105 & 121-123	21EN1105	INTRODUCTION TO ELECTRICALENGINEERING	CR	3	-	-	-	3
2	101-105 & 121-123	21EN1111	INTRODUCTION TO ELECTRONICS	CR	3	-	-	-	3

Chairman
Department of Electronics & Communication Engineering
School of Engineering
Dayananda Sagar University, Bengaluru
Dept. of Electronics and Communication Engineering
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru - 560 068

Chairman
Department of Electronics & Communication Engineering
School of Engineering
Dayananda Sagar University, Bengaluru

Chairman
Dept of Electronics and Communication Engineering
School of Engineering
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru - 560 068

Dayananda Sagar University
School of Engineering
Innovation Campus, Kudlu Gate, Hosur Road, Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Board of Studies Meeting held on 8th May 2021 Agenda and Actionplan.

Sl. No.	Agenda
1	Review of the 2nd year Syllabus for New Scheme (60:40) B.Tech (ECE) 2020-24.
2	Finalization of the 3rd Year (7th Sem and 8th Sem) Syllabus for New Scheme B.Tech (ECE) 2020-24.
3	Review of the scheme and syllabus (1st and 2nd Sem) and scheme B.Tech (ECE)
4	Major and Minor Degree
5	NEP 2020
6	Students Feedback on Curriculum for 2019-2023

Action Plan:

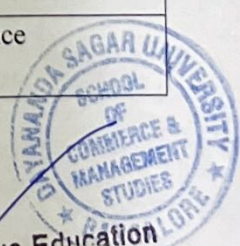| Sl. No	Sugee	Action Taken
1	**Analog and Digital Communication:** • TDM concept can be removed if its not much relavant. • Include multirating sampling, sampling rate conversion one or two topics of new trends of communication. • Alumni suggested one module should be on application.	• Suggestions are incorporated in the syllabus.
2	**PTSP:** • The subjects can be correlated to the applications of engineering domains such as signal processing, Machine learning, Data Science. • The open-ended problems can be included from the domains such as communication, control, verification and so on. • The team of analog and digital communication and PTSP can frame 5th module syllabus in terms of application or case studies which account for mini projects.	The PTSP syllabus has been formulated to align with diverse engineering domains and is application-based, providing students with opportunities to leverage their knowledge in the creation of meaningful mini projects.
3	**CMOS VLSI Design:** • Finefets and memsistors can be removed or pushed to advanced subjects of VLSI. • Include MOS model parameters and scaling concepts.	• Suggestions are incorporated in the syllabus.
4	**Digital Signal Processing:** • BoS members suggested to open a new elective on DSP Architecture and Algorithms implementation.	• "DSP Architecture and Algorithms implementation" elective subject has been introduced.
5	**C Programming for Embedded systems:** • Module 1 and 2 can be combined. • Include more concepts on interfacing with output devices and sensors. • Basics C concepts can be removed as it is thought prior. • The textbook provided covers only the basic of C, which will not emphasize on embedded system. Hence provide proper textbook which emphasize on both such as "Peterson for embedded C programming". • Application of this subject should bring in terms of case studies.	• Suggestions are incorporated in the syllabus.

Ch..........
of Electronics and Communication Engineering
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru - 560 068

Dayananda Sagar University
School of Commerce and Management Studies
Action Taken Report (ATR) – Board of Studies (BoS)
MBA Program 2017-2018

Minutes – Curriculum Feedback, Suggestions and Outcomes		
Date: July 12, 2018	Time: 3.30 PM to 5.00 PM	Location: Innovation Campus, DSU
Meeting Called By	Prof. (Capt.) A. Nagaraj Subbarao, Dean, CEE, Professor- SCMS	
Type of the Meeting	Deliberations on Curriculum Feedback and Actions to be considered	

Summary	The School of Commerce and Management Studies – PG Programs - MBA Department of Dayananda Sagar University collects the feedback on the overall curriculum aspects from various stake holders. Once a feedback is collected, it is analysed thoroughly and the same is submitted as a report to the academic council and the Board of Studies for necessary actions. The BoS examines the analysis report and detailed deliberations are done based on which the necessary actions are considered and implemented.

Stakeholder	Feedback/Suggestions	Action Taken or Suggested
Students	Introduce new edge specialization courses	Understand the importance of new edge specialization and will be introduced in the next curriculum
	Need skill development course	Will be strengthen by various workshops and value added programs
Alumni	Suggested to offer internship for full semester	Will discuss with the curriculum committee and revise in the next curriculum
Employer	Introduce courses in the area of analytics, advanced excel and online courses	Next curriculum revision, we will focus on doing the same
Faculty	Strength the evaluation process of internship and project work	Already monitoring and evaluation
	Proposed to introduce statistical software for data analysis	Planning to introduce

Dean
Centre for Executive Education
Dayanand

Dean
Centre for Executive Education
Dayananda Sagar University

BOARD OF STUDIES

Center for Executive Education (SCMS-DSU)

Meeting – July 12, 2018

#	Name of Member	Signature
1	Ashwani Sharma	
2	Anurag Jalan	DNA
3	Dr.Geetha R	
4	N.V.Krishna	
5	Dr.Latha Chakravarty	
6	H.N.Shankar	
7	Dr. Shankara Prasad	
8	Srinivas B Vijayaraghavan	Srinivas B. V
9	Sujoy Guha	
10	Swami Krishnan	DNA
11	A.V.Venkatesh	
12	A. Nagaraj Subbarao	

Invitee:

#	Name	Signature
1	Dr.Veena	
2	Dr.Punith Cariappa	
3	Dr.Saibaba	DNA
4	Aravind .N.V.	

Dean
Centre for Executive Education
Dayananda Sagar University

Dayananda Sagar
University

Action Taken Report
13 messages

Capt. Nagaraj Rao <dean-cee@dsu.edu.in>   Thu, Sep 16, 2021 at 2:19 PM
To: "A V Venkatesh Kumar, HR, BBAN" <venkatesh.kumar@buhlergroup.com>, "Dr. R. Venkatamuni Reddy"
<rvmunireddy@gmail.com>, Arindam Sen <arin_sen@yahoo.com>, srinivas iyengar <Ars_iyengar@live.com>,
Anantharaman Subramanian1 <saraman123@in.ibm.com>, HOD MBA <hodmba@dsatm.edu.in>, Utkarsh Thakur
<uthakur@gmail.com>, Srinivas Rajendram <rgsrinivas@hotmail.com>, ashish@oncofocus.com, Srinivas
Padmanabhuni <spadmanabhuni@gmail.com>, Sunil Bhumralkar <sunil.bhumralkar@gmail.com>, Rahul Dighe
<rdighe@dsu.edu.in>, gcascs@gmail.com, "Dr. H N Shylaja" <hnshylaja@dsu.edu.in>, Dean Post Graduate
Management Programs <dean-cee@dsu.edu.in>
Cc: "Dr. Suresh R" <drsuresh-socm@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>

```
Dear Member-BoS:

We have taken stake-holder (Students/Alumni/Faculty) feedback regarding our MBA and
Executive MBA programs across parameters and the Action Taken Report has been attached to
this email.

Please peruse and approve, with comments if any.
```

Thanks & Warm Regards,

```
Prof. (CAPT) A. Nagaraj Subbarao
Dean-School of Commerce & Management Studies (PGP),
Innovation Campus,
Kudlu Gate, Hosur Main Road, Bangalore 560 068
Tel #       +91 80 49092931
Mobile: +91 9986321964
```

Dayananda Sagar
University

http://www.dsu.edu.in

First, make it work. Then make it beautiful!

---

2 attachments

📄 **DSU.MBA.ATR.2020-2021.docx**
344K

📄 **EMBA. ATR Oct 2020 to Aug 2021.pdf**
2486K

Dr. Geetha R HOD-MBA DSATM <hodmba@dsatm.edu.in>   Thu, Sep 16, 2021 at 4:21 PM
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>

Dear Sir,

I went through the action plan and approve the content. but I think employer feedback is missing please check in
the Manual for Universities on NAAC portal.

Best regards,

Dr. Geetha R

Professor & HOD- MBA
Dayananda Sagar Academy of Technology and Management,
Udayapura , Opposite Art of Living International Center,
Kanakapura Road, Bangalore 560 102
Mobile: +91 9008004004
Email: hodmba@dsatm.edu.in
https://www.dsatm.edu.in/mba/

[Quoted text hidden]

Dr. R. Venkatamuni Reddy <rvmunireddy@gmail.com>   Thu, Sep 16, 2021 at 4:31 PM
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>

Respected Sir,

I have gone through the Action Taken Report and it is represented with the facts and figures, which is presented in the report. I really appreciate the effort taken by the team members. No comment from my side.

Thanking you

With regards

On Thu, Sep 16, 2021 at 2:20 PM Capt. Nagaraj Rao <dean-cee@dsu.edu.in> wrote:
[Quoted text hidden]

--
Dr. R. Venkatamuni Reddy
Professor
Department of Commerce
New Management Block
Near 9th Block
MIT Campus
Manipal Academy of Higher Education (MAHE)
Manipal
Karnataka - 576 104
Mob: 9686416733
rvm.reddy@manipal.edu
www.manipal.edu

Srinivas Padmanabhuni <spadmanabhuni@gmail.com>   Thu, Sep 16, 2021 at 7:49 PM
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>

Approved
[Quoted text hidden]

Shankar HN <hn.shankar@gmail.com>   Thu, Sep 16, 2021 at 8:31 PM
To: Dean Center for Executive Education <dean-cee@dsu.edu.in>

Suggestion points noted. Will comply.

Regards
Prof. HN Shankar

On Thu, 16 Sep 2021, 19:17 VV Rajan, <vvrajan@dsu.edu.in> wrote:

Best Regards,

Prof VV Rajan
[Quoted text hidden]

Ashish Shukla <ashish@oncofocus.com>   Fri, Sep 17, 2021 at 12:05 AM
To: dean-cee@dsu.edu.in

Dear Captain,

I have throught the report and I am OK with it.

Thank you.

Best Wishes,
Ashish

---- On Thu, 16 Sep 2021 14:19:28 +0530 **dean-cee@dsu.edu.in** wrote ----
[Quoted text hidden]

Arindam Sen <arin_sen@yahoo.com>   Sun, Sep 19, 2021 at 9:43 PM
Reply-To: Arindam Sen <arin_sen@yahoo.com>
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>, "A V Venkatesh Kumar, HR, BBAN" <venkatesh.kumar@buhlergroup.com>, "Dr. R. Venkatamuni Reddy" <rvmunireddy@gmail.com>, srinivas iyengar <Ars_iyengar@live.com>, Anantharaman Subramanian1 <saraman123@in.ibm.com>, HOD MBA <hodmba@dsatm.edu.in>, Utkarsh Thakur <uthakur@gmail.com>, Srinivas Rajendram <rgsrinivas@hotmail.com>, ashish@oncofocus.com, Srinivas Padmanabhuni <spadmanabhuni@gmail.com>, Sunil Bhumralkar <sunil.bhumralkar@gmail.com>, Rahul Dighe <rdighe@dsu.edu.in>, gcascs@gmail.com, "Dr. H N Shylaja" <hnshylaja@dsu.edu.in>
Cc: "Dr. Suresh R" <drsuresh-socm@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>

I have through this and it is approved by me.

Regds,
Arindam

Sent from Yahoo Mail on Android
[Quoted text hidden]

A V Venkatesh Kumar, HR, BBAN <venkatesh.kumar@buhlergroup.com>   Mon, Sep 20, 2021 at 8:55 AM
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>, "Dr. R. Venkatamuni Reddy" <rvmunireddy@gmail.com>, Arindam Sen <arin_sen@yahoo.com>, srinivas iyengar <Ars_iyengar@live.com>, Anantharaman Subramanian1

<saraman123@in.ibm.com>, HOD MBA <hodmba@dsatm.edu.in>, Utkarsh Thakur <uthakur@gmail.com>, Srinivas Rajendram <rgsrinivas@hotmail.com>, "ashish@oncofocus.com" <ashish@oncofocus.com>, Srinivas Padmanabhuni <spadmanabhuni@gmail.com>, Sunil Bhumralkar <sunil.bhumralkar@gmail.com>, Rahul Dighe <rdighe@dsu.edu.in>, "gcascs@gmail.com" <gcascs@gmail.com>, "Dr. H N Shylaja" <hnshylaja@dsu.edu.in>
Cc: "Dr. Suresh R" <drsuresh-socm@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>

Dear Sir,

I have gone through the details and consider this as approved.

Best regards,

Venkat

A.V. Venkatesh Kumar

Head of HR & Admn

Buhler (India) Pvt Ltd

Human Resources

13-D, KIADB Industrial Area,

Attibele - 562 107,

Dist.Bangalore

T+91 80 6777 0000

mailto:venkatesh.kumar@buhlergroup.com

http://www.buhlergroup.com/

[Quoted text hidden]

Utkarsh Thakur <uthakur@gmail.com> Mon, Sep 20, 2021 at 9:37 AM
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>
Cc: "A V Venkatesh Kumar, HR, BBAN" <venkatesh.kumar@buhlergroup.com>, "Dr. R. Venkatamuni Reddy"

<rvmunireddy@gmail.com>, Arindam Sen <arin_sen@yahoo.com>, srinivas iyengar <Ars_iyengar@live.com>, Anantharaman Subramanian1 <saraman123@in.ibm.com>, HOD MBA <hodmba@dsatm.edu.in>, Srinivas Rajendram <rgsrinivas@hotmail.com>, ashish@oncofocus.com, Srinivas Padmanabhuni <spadmanabhuni@gmail.com>, Sunil Bhumralkar <sunil.bhumralkar@gmail.com>, Rahul Dighe <rdighe@dsu.edu.in>, gcascs@gmail.com, "Dr. H N Shylaja" <hnshylaja@dsu.edu.in>, "Dr. Suresh R" <drsuresh-socm@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>

Hi Captain Nagaraj,

I am good with this, thanks.
[Quoted text hidden]
--

Regards,
Utkarsh.

---

sunil.bhumralkar@gmail.com <sunil.bhumralkar@gmail.com>   Mon, Sep 20, 2021 at 10:29 AM
To: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>
Cc: Rajan VV <vvrajan@dsu.edu.in>

Dear Sir, I am fine with the report.
Warm regards Sunil

Sent from my iPhone

On 16-Sep-2021, at 2:20 PM, Capt. Nagaraj Rao <dean-cee@dsu.edu.in> wrote:

[Quoted text hidden]
<DSU.MBA.ATR.2020-2021.docx>
<EMBA. ATR Oct 2020 to Aug 2021.pdf>

Ashish Shukla <ashish@oncofocus.com>   Mon, Sep 20, 2021 at 1:37 PM
To: Dean Cee <dean-cee@dsu.edu.in>
Cc: drsuresh-socm <drsuresh-socm@dsu.edu.in>, Vvrajan <vvrajan@dsu.edu.in>

Dear Captain,

Forwarding my response again.

Best Wishes,
Ashish

Ashish Shukla, PhD
Managing Director
Oncofocus Solutions

Office Phone: +91 89044 00482
WhatsApp: +91 99000 58002
LinkedIn: https://www.linkedin.com/in/ashukla1980/
Website: https://www.oncofocus.com

============ Forwarded message ============
From: Ashish Shukla <ashish@oncofocus.com>

To: <dean-cee@dsu.edu.in>
Date: Fri, 17 Sep 2021 00:05:31 +0530
Subject: Re: Action Taken Report
============ Forwarded message ============
[Quoted text hidden]

[Quoted text hidden]

Rahul Dighe <rdighe@dsu.edu.in>   Mon, Sep 20, 2021 at 6:12 PM
To: Arindam Sen <arin_sen@yahoo.com>
Cc: "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>, "A V Venkatesh Kumar, HR, BBAN"
<venkatesh.kumar@buhlergroup.com>, "Dr. R. Venkatamuni Reddy" <rvmunireddy@gmail.com>, srinivas iyengar
<ars_iyengar@live.com>, Anantharaman Subramanian1 <saraman123@in.ibm.com>, HOD MBA
<hodmba@dsatm.edu.in>, Utkarsh Thakur <uthakur@gmail.com>, Srinivas Rajendram <rgsrinivas@hotmail.com>,
ashish@oncofocus.com, Srinivas Padmanabhuni <spadmanabhuni@gmail.com>, Sunil Bhumralkar
<sunil.bhumralkar@gmail.com>, gcascs@gmail.com, "Dr. H N Shylaja" <hnshylaja@dsu.edu.in>, "Dr. Suresh R"
<drsuresh-socm@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>

    I agree with the contents of the report.

    Rgds,
    Rahul Dighe

        On 19-Sep-2021, at 9:43 PM, Arindam Sen <arin_sen@yahoo.com> wrote:

        I have through this and it is approved by me.
        [Quoted text hidden]

Govt College Sanquelim Goa <gcascs@gmail.com>   Tue, Sep 21, 2021 at 7:46 AM
To: Rahul Dighe <rdighe@dsu.edu.in>
Cc: Arindam Sen <arin_sen@yahoo.com>, "Capt. Nagaraj Rao" <dean-cee@dsu.edu.in>, "A V Venkatesh Kumar, HR,
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socm@dsu.edu.in>, VV Rajan <vvrajan@dsu.edu.in>

    I hereby convey my agreement
    [Quoted text hidden]

Action Taken Report (ATR) – Board of Studies(BoS)
MBA Program – SCMS, DSU -2020-2021

Minutes – Curriculum Feedback – Stakeholders (Students, Alumni and Faculties) – Suggestions and Outcomes		
Date: September 15, 2021	Time: 10am to 1pm	Location: Online - Zoom
Meeting Called By	Captain.Nagaraj Subbarao, Dean, PG Programs, SCMS	
Type of the Meeting	Deliberations on Curriculum Feedback and Actions to be considered	
Notes and Minutes	Dr.Suresh R and Dr. Nisha Goyal	
Time Keeper	Dr.Nisha Goyal	

Attendees:

Members of the Board of Studies (Post Graduate Programs in Management)

#	Member	Designation/Industry	Education/ Experience	Contact Details	Signature
1	CAPT. A. Nagaraj Subbarao (Chairperson)	Professor& Dean – PG Programs SCMS, DSU	Master Mariner, LBS Nautical & Engineerting College, Mumbia;UIC, (UC), USA	9986321964 dean-cee@dsu.edu.in	
2	A.V. Venkatesh	Director – HR/ Buhler India	IIM-B, Bangalore	9845959004 venkatesh.kumar@buhlergroup.com	
3	Dr.R.V. Reddy	Professor (MAHE), Manipal, Karnataka	SV University, Tirupati	9686416733 rvmunireddy@gmail.com	
4	Dr. Geetha Reddy	Professor & HoD, MBA Program - DSATM, DSI	Mysore University	9008004004 hodmba@dsatm.edu.in	
5	Anantharaman Subramanian	Director, Future Skills, IBM Global Business Services	IISC, Bangalore; Cornell University, USA	9845193842 saraman123@gmail.com	
6	Utkarsh Thakur	Head - Ecommerce, Watches & Wearables at Titan Company Limited	MICA, Ahmedabad	97400 30885uthakur@gmail.com	
7	Srinivas RG	Chief Revenue Officer (CRO) at TIBIL Solutions	BITS-Pilani; University of New South Wales, Australia	9845466500rgsrinivas@hotmail.com	
8	Dr. Ashish Shukla	Founder and MD Oncofocus Solutions	Deutsches Krebsforschungszentrum (German	9900058002 ashish@oncofocus.com	

			Cancer Research Center)		
9	Dr. Srinivas Padmanabhuni	CityMandy - Founder & CTO	IIT-B, Mumbai; University of Alberta, USA	9845116391 spadmanabhuni@gmail.com	
10	Dr. Arindam Sen	Director at HCL Technologies	Asian Institute of Management, Philippines	80951 76206 arin_sen@yahoo.com	
11	Srinivas Iyengar	Vice President at Tieto EVRY, Finland	CA	98450 67662 Ars_iyengar@live.com	
12	Sunil Bhumralkar	Consultant Former Managing Partner E&Y	CA	98450 61909 sunil.bhumralkar@gmail.com	
13	Dr. Rahul Dighe	Professor - SCMS	IIT-B, Mumbai; MIT- USA	86005 55144 rdighe@dsu.edu.in	
14	Dr. Gervasio SFL Mendes	Add. Director (HE), Directorate of HE, Govt of Goa Professor & Principal, GASC, Sanquelin, Goa	BA, MA,PGDM, PhD (Utkal University)	8668513153 gcascs@gmail.com	
15	H.N. Shankar	Consultant & Former CEO – DDE:ORG Denmark	BE, MBA - Mysore University	99728 66797 hn.shankar@gmail.com	

Summary	The School of Commerce and Management Studies – PG Programs - MBA Department of Dayananda Sagar University collects the feedback on the overall curriculum aspects from various stake holders such as students, alumni and faculty. Once a feedback is collected, it is analysed thoroughly and the same is submitted as a report to the academic council and the Board of Studies for necessary actions. The BoS examines the analysis report and detailed deliberations are done based on which the necessary actions are considered and implemented.
Introduction	Introduction was done by the Dean, PG Programs, SCMS on the feedback on the MBA Program Curriculum received from various stakeholders and the need for considering the same among the members of BoS and deliberate upon to bring out suggestions based on which actions shall be considered for implementation and execution.
Discussions	The following were the questions asked among the stakeholders for feedback

a) Curriculum, with respect to addressing emerging national and global trends, is
b) Coverage of advanced and inter-disciplinary topics in curriculum is:
c) How are the curricula and syllabi in relation to the real life applications?
d) Enhancement of innovation and critical thinking skills through curriculum is:
e) Scope for acquiring employability and entrepreneurship skills through curriculum is:
f) Imparting of human values and ethics through the curriculum is:
g) How do you rate the sequence of the courses in the programme of study?
h) How do you rate the course design in terms of course contents and realization of course outcomes ?
i) Availability of text books / study materials related to the course is:
j) How do you rate on the flexibility given in the curriculum for out-of-the-class learning?
k) The system followed by DSU for the design and development of curriculum is:
l) How do you rate the course design in terms of course contents and realization of course outcomes?
m) How do you rate the academic flexibility provided for delivery of course contents in the academic frame-work?
n) How do you rate the course contents from the perspective of coverage for competitive exams?
o) How do you rate the course design in terms of course contents and realization of course outcomes?
p) How do you rate the relevance of courses that you have learnt in relation to your current job?
q) How do you rate the syllabi in bridging the gap between academia and industry?
r) How do you rate the overall learning environment offered in the campus with respect to curricula and syllabi?

The stakeholders were given the options as Rubrics ranging from 4 to 1 as following

Values	Rubrics
4	Excellent
3	Good
2	Fair
1	Poor
Overall Range	4 to 1

The Analysis Report Taken up for deliberations	Furnished under the Feedback and Analysis report

QUESTION NO.	Questions	RUBRICS	STUDENTS			TEACHERS			ALUMNI			OVERALL		AVERAGE
			Numbers	Percentage	Average	Numbers	Percentage	Average	Numbers	Percentage	Average	Numbers	Percentage	
1	Curriculum, with respect to addressing emerging national and global trends, is	4	34	60.7	3.55	4	44.4	3.44	2	25	3	40	59.70149254	3.33
		3	13	33.9		5	55.6		4	50		22	32.8358209	
		2	3	5.4		0	0		1	12.5		4	5.970149254	
		1	0	0		0	0		1	12.5		1	1.492537313	

2	Coverage of advanced and inter-disciplinary topics in curriculum is:	**4**	30	53.6		5	55.6		1	12.5		36	56.25	
		3	16	44.6		4	44.4		5	62.5		25	39.0625	
		2	1	1.8	3.51	0	0	3.55	1	12.5	2.85	2	3.125	0
		1	0	0		0	0		1	12.5		1	1.5625	
3	How are the curricula and syllabi in relation to the real life applications?	**4**	23	55.4		4	44.4		1	12.5		28	48.27586207	
		3	13	33.9		5	55.6		4	50		22	37.93103448	
		2	4	8.9	3.42	0	0	3.44	2	25	2.71	6	10.34482759	0
		1	1	1.8		0	0		1	12.5		2	3.448275862	
4	Enhancement of innovation and critical thinking skills through curriculum is:	**4**	34	60.7		4	44.4		1	12.5		39	53.42465753	
		3	18	32.1		5	55.6		6	75		29	39.7260274	
		2	4	7.1	3.53	0	0	3.44	0	0	2.85	4	5.479452055	0
		1	0	0		0	0		1	12.5		1	1.369863014	
5	Scope for acquiring employability and entrepreneurship skills through curriculum is:	**4**	33	58.9		7	77.8		0	0		40	54.79452055	
		3	17	30.4		2	22.2		5	62.5		24	32.87671233	
		2	6	10.7	3.48	0	0	3.77	1	12.5	2.29	7	9.589041096	
		1	0	0		0	0		2	25		2	2.739726027	
6	Imparting of human values and ethics through the curriculum is:	**4**	35	62.5		2	22.2		0	0		37	50.68493151	3.016667
		3	15	26.8		6	66.7		4	50		25	34.24657534	
		2	6	10.7	3.51	1	11.1	3.11	3	37.5	2.43	10	13.69863014	
		1	0	0		0	0		1	12.5		1	1.369863014	
7	How do you rate the sequence of the	**4**	30	53.6								30	53.57142857	3.46
		3	23	41.1	3.46							23	41.07142857	
		2	2	3.6								2	3.5714	

#	Question	Scale	Count	%				Avg							Count	%	Avg
	courses in the programme of study?	1	1	1.8											1	1.7857 14286	
8	How do you rate the course design in terms of course contents and realization of course outcomes?	4	27	48.2				3.42							27	48.214 28571	3.42
		3	26	46.4											26	46.428 57143	
		2	3	5.4											3	5.3571 42857	
		1	0	0											0	0	
9	Availability of text books / study materials related to the course is:	4	17	30.4				3							17	30.357 14286	3
		3	27	48.2											27	48.214 28571	
		2	7	12.5											7	12.5	
		1	5	8.9											5	8.9285 71429	
10	How do you rate on the flexibility given in the curriculum for out-of-the-class learning?	4	26	46.4				3.28							26	46.428 57143	3.28
		3	20	35.7											20	35.714 28571	
		2	10	17.9											10	17.857 14286	
		1	0	0											0	0	
11	The system followed by DSU for the design and development of curriculum is:	4			6	66.7			3.55						6	66.666 66667	3.55
		3			2	22.2									2	22.222 22222	
		2			1	11.1									1	11.111 11111	
		1			0	0									0	0	
12	How do you rate the course	4			6	66.7			3.66						6	66.666 66667	3.66
		3			3	33.3									3	33.333 33333	

	design in terms of course contents and realization of course outcomes ?	**2**					0	0					0	0	
		1					0	0					0	0	
13	How do you rate the academic flexibility provided for delivery of course contents in the academic frame-work?	**4**					7	77.8					7	77.777 77778	
		3					2	22.8					2	22.222 22222	
		2					0	0	3.77				0	0	3.77
		1					0	0					0	0	
14	How do you rate the course contents from the perspective of coverage for competitive exams?	**4**					3	33.3					3	33.333 33333	
		3					6	66.7					6	66.666 66667	
		2					0	0	3.33				0	0	3.33
		1					0	0					0	0	
15	How do you rate the course design in terms of course contents and realization of course outcomes ?	**4**								0	0		0	0	
		3								6	75		6	75	
		2								1	12.5		1	12.5	
		1							2.57	1	12.5		1	12.5	2.57
16	How do you rate	**4**								1	12.5	2.71	1	12.5	2.71
		3								5	62.5		5	62.5	

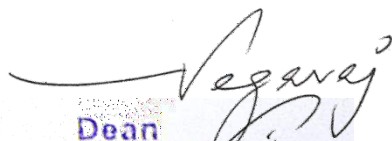|										Count	%	Avg	Count	%	Avg
	the relevance of courses that you have learnt in relation to your current job?	2								1	12.5		1	12.5	
		1								1	12.5		1	12.5	
17	How do you rate the syllabi in bridging the gap between academia and industry?	4								0	0		0	0	
		3								4	50		4	50	
		2								2	25	2.43	2	25	2.43
		1								2	25		2	25	
18	How do you rate the overall learning environment offered in the campus with respect to curricula and syllabi?	4								0	0		0	0	
		3								6	75		6	75	
		2								1	12.5	2.57	1	12.5	2.57
		1								1	12.5		1	12.5	

Considerations	Based on the common consensus among the members of the Board of Studies, the points(questions) with ratings of 3 and less than that were considered for further necessary actions
Suggestions	The following are the suggestions made by the members of the BoS • Students need to be taken more frequently through contemporary case studies and reading material to get greater exposure to the industry focused issues and problem solving. • All faculties will have access to HBR case studies to be taken up among all the semester students • Include Finance focused certification course for T3 students before they get enrolled into Finance specializations

	• Introduce an attendance component into the program (5% marks towards attendance) • Increase the number of reference and text books along with the existing books that are available in the Library • Enable e-book platforms through library for students to access reading required books online • Source relevant case study and other study materials through various online subscription platforms
Actions Items	Prof. Rajan and Mr.Ragavendra will circulate the outcomes to all the faculty concerned and also initiate appropriate measures to ensure the implementation of the suggestions.
Conclusion	The session was concluded with thanking all the members who spared their time for the presented cause and valuable suggestions

Prof. Capt. Nagaraj SubbaraoDean
– SCMS (PGPM)
Dayananda Sagar University
Innovation

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING
KUDLU GATE, BANGALORE- 560068

Department of Computer Application

BOS Meeting Held on 18-03-2021

Proceedings of the Meeting

Members Present :

i)	Dr. Manjunath M B	Member	
ii)	Dr. Ram Kumar P S	Member	
iii)	Dr. M K Banga	Member	
iv)	Dr. Sanjay Chitnis	Member	
v)	Dr. S Shyam Pandeya	Member	
vi)	Dr. G Babu Karthick	Member	
vii)	Dr. Vasanthi Kumari P	Chairman	

Points Discussed and Observations:

i) Deliberated on the scheme of the Core courses of 2 year MCA Programme

    a. The members were given the details of the draft syllabus of I and II semesters and bridge courses for the non-Computer Science graduates of the 2 year MCA Programme in the scheme. The members suggested changes in the draft scheme and syllabus.

    b. Members felt that the challenge of the MCA course and the syllabus must be designed for the current technology which will go along with the placement of students. They also suggested the core and elective areas for placements such as Software testing, Big Data and Data Science, Full Stack development, Computational intelligence and cloud computing.

    c. The department electives-I were discussed and finalized.

    d. The I semester of MCA will have the compulsory core courses.

    e. The II semester of MCA will have one departmental elective and III semester of MCA will have two departmental electives where the students can select the electives out of options given.

    f. The IV semester of MCA will have three electives out of which one will be Departmental elective, the next one will be a MOOC and the third one will be an open elective where the students can select the electives out of options given.

    g. The syllabi of all the core courses and the Labs were presented one after another.

i. Members proposed that the I Semester Core course "Advanced Software Engineering" must include software testing and tools.

j. Members proposed that the I Semester Core course "Probability and Statistics" must include Statistical Modelling.

k. Members proposed that the I Semester Lab course "Advanced Operating System" must include programs on parallel programming.

l. Members proposed that the II Semester Core course "Java Programming" must include Advanced Frameworks.

m. Members proposed that the II Semester Lab course "Java Programming and Network" must include programs on Real time applications.

n. Members proposed three Departmental Elective I courses of II Semester which includes "Data Analytics & Visualization", "Virtualization & Cloud Computing" and "Full Stack Development".

ii) Chairman and members suggested and recommended to encourage students with sound theoretical and practical background to take up projects in Industry.

iii) All lab courses will include mini projects.

iv) Action Taken on Feedback Analysis: The feedback collected from students, Alumni have given positive feedback and it was suggested to include more advanced technologies in the curriculum. In the forthcoming syllabus we are planning to add more advanced technologies will be incorporated in the curriculum.

Decisions taken :

i) The intake for MCA will be BCA/B. Sc.(CS/IT) or B.Sc./B.Com/BA from a recognized University with Mathematics at 10+2 level of Graduation Level(**with additional Bridge Courses as per the norms of the University**). Obtained atleast 50% marks in the Qualifying Examination.

ii) With reference to the 2020 BOS feedback analysis decided to modify the scheme and syllabi of the courses in I and II semesters and the syllabus of the bridge courses of MCA were approved. This will be circulated among the members for their concurrence. Details are in Annexure – I.

(Dr. Vasanthi Kumari P)
Chairman,
BoS in Computer Applications

SCHEME - MCA - 2021 - 22 ONWARDS

I Semester

#	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	SCHEME OF TEACHING					PRE-REQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	224	21MCA4101	DATA STRUCTURES	CR	3	-	-	-	3	*	***
2	224	21MCA4102	COMPUTER ARCHITECTURE AND MICROCONTROLLER	CR	3	-	2	-	4	*	***
3	224	21MCA4103	ADVANCED OPERATING SYSTEMS	CR	3	-	-	-	3	*	***
4	224	21MCA4104	ADVANCED SOFTWARE ENGINEERING AND TESTING	CR	3	-	2	-	4	*	***
5	224	21MCA4105	PROBABILITY & STATISTICS	CR	3	-	2	-	4	*	***
6	224	21MCA4106	DATA STRUCTURES LAB	CR	-	-	4	-	2	*	***
7	224	21MCA4107	ADVANCED OPERATING SYSTEM LAB	CR	-	-	4	-	2	*	***
					15	-	14	-	22		

CR – Credit, AU – Audit, L – Lecture, T – Tutorial, P – Practical, S/P – Seminar/Project, C – No. of Credits

Cco & CO/L

Aaij R Chitra

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
Kudlu Gate, Hosur Main Road
Bangalore – 560114

1

SCHEME - MCA - 2021 - 22 ONWARDS

II Semester

#	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	SCHEME OF TEACHING					PRE-REQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	224	21MCA4201	ADVANCED ALGORITHMS	CR	3	-	-	-	3	*	***
2	224	21MCA4202	JAVA PROGRAMMING	CR	3	-	-	-	3	*	***
3	224	21MCA4203	COMPUTER COMMUNICATION AND NETWORKS	CR	3	-	-	-	3	*	***
4	224	21MCA4204	DATABASE MANAGEMENT SYSTEMS	CR	3	-	-	-	3	*	***
5	224	21MCA4205	ADVANCED ALGORITHMS LAB	CR	-	-	4	-	2	*	***
6	224	21MCA4206	JAVA PROGRAMMING AND NETWORKS LAB	CR	-	-	4	-	2	*	***
7	224	21MCA4207	DATABASE MANAGEMENT SYSTEMS LAB	CR	-	-	4	-	2	*	***
8	224	21MCA4208	SUMMER INTERNSHIPS	CR	-	-	4	-	2	*	***
9	224	21MCA42XX	DEPARTMENT ELECTIVE - I	CR	3	-	2	-	4	*	***
					15		18	-	24		

CR – Credit, AU – Audit, L – Lecture, T – Tutorial, P – Practical, S/P – Seminar/Project, C – No. of Credits

#	COURSE CODE	DEPARTMENT ELECTIVE – I
1	21MCA4209	DATA ANALYTICS & VISUALIZATION
2	21MCA4210	VIRTUALIZATION & CLOUD COMPUTING
3	21MCA4211	FULL STACK DEVELOPMENT

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
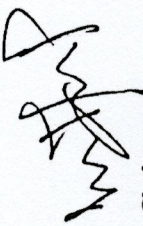Kudlu Gate, Hosur Main Road
Bangalore - 560114

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III SEMESTER

#	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	SCHEME OF TEACHING					PRE-REQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	224	21MCA4301	AI AND MACHINE LEARNING	CR	03	-	-	-	03	*	***
2	224	21MCA4302	EMBEDDED SYSTEMS AND INTERNET OF THINGS	CR	03	-	-	-	03	*	***
3	224	21MCAXXXX	DEPARTMENT ELECTIVE –2	CR	03	-	02	-	04	*	***
4	224	21MCAXXXX	DEPARTMENT ELECTIVE –3	CR	03	-	02	-	04	*	***
5	224	21MCA4303	AI AND MACHINE LEARNING LAB USING PYTHON	CR	-	-	04	-	02	*	***
6	224	21MCA4304	EMBEDDED AND INTERNET OF THINGS LABORATORY	CR	--	--	04	-	02	*	***
7	224	21MCA4305	SOCIALLY RELEVANT PROJECT	CR	--	--	08	-	04	*	***
					12	-	20	-	22		

COURSE CODE	DEPARTMENT ELECTIVES II & III
21MCA4306	DISTRIBUTED COMPUTING (HADOOP AND SCALA)
21MCA4307	DATA MINING
21MCA4308	BUSINESS INTELLIGENCE TECHNOLOGY
21MCA4309	BIG DATA WITH R
21MCA4310	DATA SCIENCE
21MCA4311	CLOUD NETWORKING & SECURITY
21MCA4312	CLOUD STORAGE
21MCA4313	MOBILE APPLICATION DEVELOPMENT TECHNIQUES

Cc 5 co,l

Aaja R Chitro

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
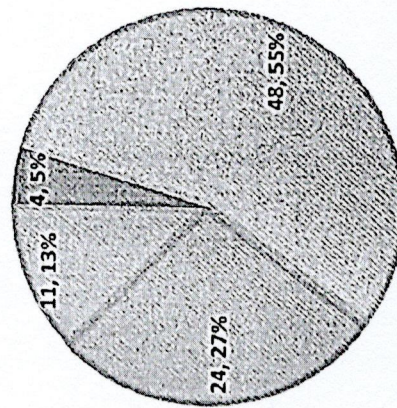Kudlu Gate, Hosur Main Road
Bangalore – 560114

IV SEMESTER

#	PROGRAM CODE	COURSE CODE	COURSE TITLE	CR/AU	SCHEME OF TEACHING					PRE-REQUISITE	
					L	T	P	S/P	C	SEM	COURSE CODE
1	224	21MCAXXXX	DEPARTMENT ELECTIVE –4	CR	03	-	02	-	04	*	***
2	224	21MCAXXXX	OPEN ELECTIVE –(MOOC)	CR	03	-	02	-	04	*	***
3	224	21MCAXXXX	OPEN ELECTIVE(MOOC)	CR	03	-	02	-	04	*	***
4	224	21MCA4404	DISSERTATION	CR	-	-	10	-	05	*	***
					09		16	-	17		

COURSE CODE	DEPARTMENT ELECTIVES IV
21MCA4401	INFORMATION SECURITY
21MCA4402	INTRODUCTION TO SOCIAL NETWORK ANALYSIS
21MCA4403	DEEP LEARNING
21MCA4405	BLOCK CHAIN TECHNOLOGY

COURSE CODE	LIST OF OPEN ELECTIVES
21MCA4406	BUSINESS DATA ANALYTICS
21MCA4407	INDUSTRIAL SAFETY
21MCA4408	OPERATIONS RESEARCH
21MCA4409	COST MANAGEMENT OF ENGINEERING PROJECTS
21MCA4410	COMPOSITE MATERIALS
21MCA4411	WASTE TO ENERGY

Cu & CU/C

Aajy R Chitre

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
Kudlu Gate, Hosur Main Road
Bangalore – 560114

Department of Computer Applications
MCA
Programe Structure for 2021 Scheme

Dayananda Sagar University Bangaluru

I Sem

Course code	Course Name	Credits	Course type
21MCA4101	DATA STRUCTURES	5	PCC
21MCA4102	COMPUTER ARCHITECTURE AND MICROCONTROLLER	4	PCC
21MCA4103	OPERATING SYSTEMS	5	PCC
21MCA4104	SOFTWARE ENGINEERING AND	4	PCC
21MCA4105	PROBABILITY AND STATISTICS	4	BSC
	TOTAL	22	

II Sem

Course code	Course Name	Credits	Course type
21MCA4201	ADAVANCED ALGORITHMS	5	PCC
21MCA4202	JAVA PROGRAMMING	5	PCC
21MCA4203	COMMUNICATIONS AND	5	PCC
21MCA4204	MANAGEMENT SYSTEM	5	PCC
21MCA4205	SUMMER INTERNSHIPS	2	P/I
21MCA42XX	DEPARTMENT ELECTIVE-I	4	PEC
	TOTAL	26	

III Sem

Course code	Course Name	Credits	Course type
21MCA4301	MACHINE LEARNING	5	PCC
21MCA4302	EMBEDDED SYSTEMS AND IOT	5	PCC
21MCA43XX	DEPARTMENT ELECTIVE-II	4	PEC
21MCA43XX	DEPARTMENT ELECTIVE-III	4	PEC
21MCA4305	RELEVANT PROJECT	4	P/I
	TOTAL	22	

IV Sem

Course code	Course Name	Credits	Course type
21MCA44XX	DEPARTMENT ELECTIVE-IV	4	PEC
21MCA44XX	MOOC1	4	PEC
21MCA44XX	MOOC11	4	PEC
21MCA4404	DISSERTATION	5	P/I
	TOTAL	17	

	Credits
4 BSC	4
ESC	0
HSC	0
48 PCC	48
24 PEC	24
OEC	0
11 P/I	11
Total Credits	**87**

BSC	Basic Sciences (Subjects such as Physics, Chemistry, Maths)	
HSC	Humanities Sciences	
ESC	Engineering Sciences Courses (subjects such as, 1st year EC, EE, CPP, etc.)	
PCC	Program Core Courses	
PEC	Program Elective Courses	
OEC	Opoen Elective Coursez	
P/I	Major Project/Technical Seminar/Internship	

COURSE TYPE DISTRIBUTION

48,55%
24,27%
11,13%
4,5%

■ BSC ■ ESC ■ HSC ■ PCC ■ PEC ■ OEC ■ P/I

Chairperson
Department of Computer Applications
School of Engineering
Dayanand Sagar University
Kudlu Gate, Hosur Main Road
Bangalore – 560114

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES

DOCUMENT TITLE: BOARD OF STUDIES MEETING of B.Sc. and M.Sc., DSU
DATE: 13.01.2018
TIME: 9: 30 AM TO 12:00PM
VENUE: BOARD ROOM, CIL, Dr. C.D. SAGAR CENTRE FOR LIFE SCIENCES.

AGENDA OF THE MEETING:

1. Proposing III and IV semester M.Sc., Biotechnology, Microbiology and Biochemistry syllabus of academic year 2017-18 for consideration and approval.

2. Proposing hour reduction in B.Sc syllabus from existing 52 hours to 44 hours for the academic year 2019-20.

3. Proposing existing B.Sc syllabus for fine tuning.

4. Proposing new examination scheme from the existing 40:60 to 50:50 internals to end semester exams for B.Sc., course combinations for the academic year 2019-20II.

5. Any other concerning matter, with the permission of the Chairman.

BOS Members:

1. Dr. Sunil More
   Chairman - B.O.S.
   Dean - SBAS,
   DayanandaSagar University,
   Bangalore.

2. Dr. Harish Pai
   External Member,
   Associate Director,
   Research & Development, Biocon,
   Bangalore
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   Email: harishvpai@gmail.com

3. Dr. Ravindra Gudihal
   External Member,
   Lead Scientist – Biopharma
   Agilent Technologies India Pvt. Ltd.
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   Email: rgudihal@gmail.com

4. Dr. P Kondaiah
   Professor, Dept of Molecular Reproduction, Development and Genetics,
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   paturu@mrdg.iisc.ernet.in

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6. Dr. Rita Christopher
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   Professor and Head, Department of Neurochemistry,
   National Institute of Mental Health and Neuro Sciences,
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   Email: rita@nimhans.kar.nic.in

7. Dr. Sidhalingamurthy
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   HOD & Associate Professor, Department of Chemistry,
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   Email: nagarajun@yahoo.com

9. Dr. Gautham S. A.
   Internal Member,
   Asst. Professor - Microbiology
   Department of Biological Sciences
   DayanandaSagarUniversity, Bangalore.
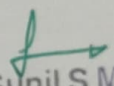
10. Dr. Shyamala K. V.
    Internal Member,
    Asst. Professor - Genetics,
    Department of Biological Sciences
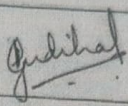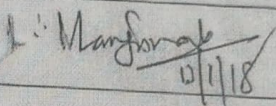   DayanandaSagarUniversity, Bangalore.
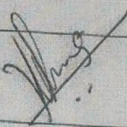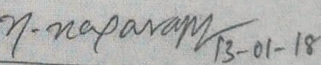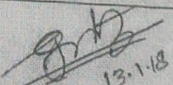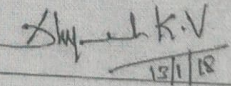
Invited Members:
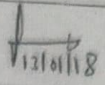
11. Dr. Anu Sharma
    Internal Member,
    Asst. Professor - Biotechnology
    Department of Biological Sciences
    Dayananda Sagar University, Bangalore.

12. Dr. Pradipta Banerjee
    Internal Member,
    Asst. Professor - Biochemistry
    Department of Biological Sciences
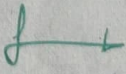   Dayananda Sagar University, Bangalore.

13. Dr. Santosh Choudhari
    Internal Member,
    Asst. Professor - Chemistry
    Department of Biological Sciences
    Dayananda Sagar University, Bangalore.

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar University,
K. S. Layout, Bengaluru-78.

Members Present:

Sl. No.	Name of the Member	Signature
1.	Dr. Sunil More	*(signed)* 12/01/18
2.	Dr. Harish Pai	— Absent —
3.	Dr. Ravindra Gudihal	Gudihal
4.	Dr. P Kondaiah	— Absent —
5.	Dr. Manjunath K	L. Manjunath 13/1/18
6.	Dr. Rita Christopher	— Absent —
7.	Dr. Sidhalingamurthy	*(signed)*
8.	Dr. Nagaraju N	N. nagaraju 13-01-18
9.	Dr. Gautham S. A.	*(signed)* 13.1.18
10.	Dr. Shyamala K. V.	Shy—l K.V 13/1/18

Members Absent: 1) Dr. Harish Pai
2) Dr. P. Kondaiah
3) Dr. Rita Christopher.

Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar University,
K. S. Layout, Bengaluru-78.

Proceedings of the B.O.S Meeting of B. Sc., Dayananda Sagar University, held on 13.01.2018

- The meeting of the Board of Studies of was held in the Board Room, CIL, Dr. C.D. Sagar Centre for Life Sciences on 13.01.2018 from 9:30 am.
- The Chairman, welcomed all the members of the board, introduced the external and internal members and initiated the meeting.
- The agenda of the meeting was briefed by the chairman.
- The Board took up the appropriate decisions on all the agendas of the meeting after a detailed deliberation.

Agenda 1:

Proposing III and IV semester M.Sc., Biotechnology, Microbiology and Biochemistry syllabus of academic year 2017-18 for consideration and approval.

- The board after a thorough deliberation suggested the following corrections in the syllabus of M.Sc. courses. The subject wise suggestions and corrections incorporated are as listed below

BIOTECHNOLOGY: [Annexture- 1a]

III Semester

ANIMAL BIOTECHNOLOGY - 17MBT303

- Module III - Transgenic animals Concept of Artificial Tissue Printing should be incorporated

METABOLISM OF BIOMOLECULES - 17MBT321

- Module III: Amino acid and nucleotide metabolism
- To specify the De novo and salvage pathway of purines and pyrimidine

GENOMICS AND PROTEOMICS - 17MBT322

- Module III: Proteomics - Change MALDI-TOF to Mass Spectroscopy
- Include Concept of MudPIT (Multidimensional Protein Identification Technology)
- Remove "Yeast two hybrid system, protein micro array"

IV Semester

BIOPROCESS TECHNOLOGY - 17MBT401

- Module III: Upstream and Downstream Processing
- Include concept of 'Rheology of fermentation media'

MEDICAL GENETICS AND CYTOGENETICS - 17MBT422

- Change the course title of the paper from Medical genetics and cytogenetics to "Human Disease Genetics"

BIOPROCESS TECHNOLOGY - 17MBT471

- Include "Demonstration of batch fermenter"

BIOCHEMISTRY: [Annexture- 1b]

III Semester

Metabolism of Nitrogen Compounds: 17MBC302

- The title of the paper was renamed as "metabolism of nitrogen compounds" rather than Metabolism of proteins and nucleic acids.
- Module: II - SCID was added.
- Module: IV - Regulations of the amino acids were incorporated.

Ecology and developmental biology: 17MBC305

- Ecology and developmental biology (soft core) was reformatted and made uniform throughout the program including the course matrix.

Membrane Biochemistry and Nanoscience: 17MBC321

- Module I - was renamed as Membrane lipids rather than lipid properties.
- Module III - was suggested to be reframed and restructured into the following order: synthesis, property and applications with specific example of nanoparticle application in biology.
- Module III: The words "Brief account" on nanolithography was incorporated instead of the phrase "brief idea".
- Module IV: Nanotechnology application to include specific example of nanobiosensors.
- Module IV: STM and AFM – The words "Principle and applications" have to be included before the techniques.

Plant and Microbial Secondary Metabolites: 17MBC322

- Module I - Gel-filtration chromatography instead of gel-chromatography.

- Module II - The experts suggested to choose one phytochemical (terpenoids or flavonoids) and describe the techniques needed to identify that particular compound.
- Module II - The words "application" has to be included before the techniques.
- Module II – Change MALDI-TOF to Mass Spectroscopy
- Module IV - Metabolites for food fortification. Definition and specific examples of food additives to be included.

Molecular Biology & Immunotechniques: 17MBC371

- Isolation and estimation of DNA from only estimation.
- Isolation of immunoglobulins from serum has been incorporated.

Protein Biochemistry: 17MBC372

- Isoelectric focusing (IEF) was incorporated.

IV Semester

Genetic Engineering and Biotechnology: 17MBC401

- Module IV: Safety and handling of PCR was added.

Food Biochemistry and Nutrition: 17MBC421

- Module III - Nutraceuticals spelling was finalized.
- Module III - FSSAI and health claims regulatory bodies were incorporated.
- Module IV - Functional foods – specific exams of millets were added.

Clinical Biochemistry and Bioengineering: 17MBC422

- Module I: Diabetes, muscle dystrophy, atherosclerosis and renal failure were added.
- Module II: Regulatory and quality assurance of drugs was incorporated.
- If possible, in third semester industrial visits were suggested by the BOS panel.

MICROBIOLOGY: [Annexture- 1c]

III Semester

- **Medical Microbiology - 17MMB301**

  Module 1: It has been suggested to include epidemiology of emerging and re-emerging diseases.

  Module 3: It has been suggested prion infections to be separated from viral infections.

  Module 4: It has been suggested to incorporate PCR diagnostics and biosafety measures.

- **Industrial Microbiology - 17MMB303**

Module 3– Upstream Processing: It has been suggested to incorporate rheology of fermentation media.

- **Applied Microbiology - 17MMB322**

  It has been suggested to incorporate any other elective paper such as Pharmaceutical Microbiology instead of Applied Microbiology during the next complete revision of course matrix.

IV Semester

- **Clinical Microbiology - 17MMB421**

  It has been suggested to include care and handling of pathogens, biological materials and disposal.

- **Microbial Biotechnology - 17MMB422**

  It has been suggested to exclude Human genome project and incorporate Yeast Genome Project.

  It has been suggested to modify GMO to Genetically Modified Microorganisms

- **Agriculture microbiology and phytopathology - 17MMB471**

  It has been suggested to incorporate the below practicals

  1. Quality control assessment of biofertilizers (vialibity and shelf life).

  2. Study of liquid and solid carrier material.

  The suggested modifications and corrections have been accepted and have been duly incorporated in all the papers. The modified syllabus of III and IV semester courses is as per **Annexure Ia, Ib and Ic** for Biotechnology, Biochemistry and Microbiology respectively.

Agenda 2:

Proposing hour reduction in B.Sc syllabus from existing 52 hours to 44 hours for the academic year 2019-20.

- After deliberation the board members suggested that the B.Sc. syllabus for all the courses is exhaustive and in consideration to the number of available working days to offer the course in a semester, they have suggested and approved to appropriately reduce the B.Sc syllabus hours from 52 to 44 for the academic year 2019-20. The attachment is as per **Annexure II.**

Agenda 3:

Proposing existing B.Sc syllabus for fine tuning.

Chemistry

V Semester:

Paper: Physical Chemistry and Cheminformatics - 15CH301

- Unit VI: Cheminformatics II the topic regarding "Quantitative Structure-Property Relations; Descriptor Analysis; Structure-Spectra correlations; Prediction of NMR, IR and Mass spectra" was removed.

VI Semester

Paper: Inorganic & Analytical Chemistry - 15CH302

- Unit IV: Spectroscopy II topic regarding "Predicting the structure of the simple organic compounds using the principles of above spectroscopic techniques" was included.

The suggested modifications have been accepted and incorporated in the papers. The modified chemistry syllabus of V and VI semester B.Sc., course is as per **Annexure III**

Agenda 4:

Proposing new examination scheme from the existing 40:60 to 50:50 internals to end semester exams for B.Sc., course combinations for the academic year 2019-20.

New examination scheme 50:50 internals to end semester exams for B.Sc., course combinations was presented to the Board members for consideration and approval. The board members were skeptic regarding the equal weightage of CIA and SEE. However they have suggested the following to be incorporated before initiating the new pattern.

Suggestions:

- New examination scheme requires very strong and transparent evaluation system.
- Monitoring of the documents should be kept open for everybody.
- Overall performance of internals and end semester exams should be matched.
- The committee strongly felt that research of the faculty will be affected as the proposed scheme requires continuous evaluation and monitoring by the faculty.
- Continuous examination will be helpful in improving the student's attendance.

Implementation of new proposed examination scheme is possible only if above mentioned criteria are met - **Annexure IV**.

Agenda 5:

Any other concerning matter, with the permission of the chairman.

BoS members strongly recommended for the formation of Institutional Bio-safety and ethical committee as the courses involve handling of bio hazardous material which is mandatory for all the accreditation and regulatory processes.

The feedback inputs were obtained from various stake holders like teachers, students, alumni and employers regarding curriculum adopted at School of Basic and Applied Sciences, Dayananda Sagar University.

Outline and Summary:

1. Majority of the students are appreciative of teaching- learning experience.
2. The Students have appreciated the extracurricular activities.
3. Alumni feedback is largely encouraging.
4. Majority of them found the syllabus for all the courses exhaustive.

Actions suggested / taken at BoS meeting

- The revised syllabus was proposed, the suggestions were provided subject wise by the members' and all the corrections were incorporated in the syllabus.
- The committee approved the reduction in the syllabus and the hours from 52h to 44h for the academic year 2019-2020.
- The committee suggested for the inclusion of project work in curriculum and arrangement of conferences herewith.

13|01|18

Chairman BoS
Dean
School of Basic & Applied Scien---
Dayananda Sagar University
K.S. Layout, Bengaluru - 560 078.,

Date: 13.01.2018
Place: Bangalore

DAYANANDA SAGAR UNIVERSITY SCHOOL
OF BASIC AND APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES

DOCUMENT TITLE: BOARD OF STUDIES MEETING of B.Sc. and M.Sc., DSU

DATE: 09.02.2019

TIME: 9: 30 AM TO 12:00PM

VENUE: BOARD ROOM, CIL, Dr. C.D. SAGAR CENTRE FOR LIFE SCIENCES.

AGENDA OF THE MEETING:

1. Proposing new course matrix scheme for all six semesters BSc as per choice based credit system (CBCS) guidelines.

2. Proposing new course matrix scheme for all four semesters MSc as per CBCS guidelines.

3. Approval of 1 year BSc syllabus as per CBCS.

4. Approval of 1 year MSc syllabus as per CBCS.

5. Any other concerning matter, with the permission of the Chairman.

BOS Members:

1. Dr. Sunil More
   Chairman - B.O.S.
   Dean - SBAS,
   DayanandaSagar University,
   Bangalore.

2. Dr. Harish Pai
   External Member,
   Associate Director,
   Research & Development, Biocon,
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5. Dr. Manjunath K
   External Member,
   Prof., Dept. of Post- Graduate Studies in Biotechnology & Microbiology,
   Bangalore University
   Ph: 9611434966
   Email: Ushamanjunath58@rediffmail.com

6. Dr. Rita Christopher
   External Member,
   Professor and Head, Department of Neurochemistry,
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    Email : anirudha.lakshminarasimhan@gmail.com

10. Dr. Anu Sharma
    Internal Member,
    Asst. Professor - Biotechnology
    Department of Biological Sciences
    Dayananda Sagar University, Bangalore.

11. Dr. Gautham S. A.
    Internal Member,
    Asst. Professor - Microbiology
    Department of Biological Sciences
    DayanandaSagarUniversity, Bangalore.

12. Dr. Nagaraju N
    External Member,
    HOD & Associate Professor, Department of Chemistry,
    St. Joseph College (Autonomous), Bangalore
    Ph: 9886765760
    Email: nagarajun@yahoo.com

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
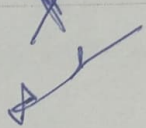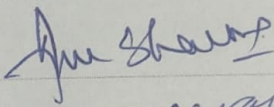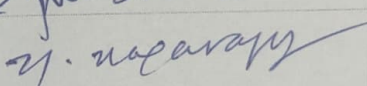### DEPARTMENT OF BIOLOGICAL SCIENCES
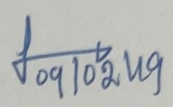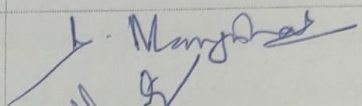
DOCUMENT TITLE: BOARD OF STUDIES MEETING of B.Sc. and M.Sc., DSU
DATE: 09.02.2019
TIME: 9: 30 AM TO 12:00PM
VENUE: BOARD ROOM, CIL, Dr. C.D. SAGAR CENTRE FOR LIFE SCIENCES.

Members present

Name	Designation	Signature
Dr. Sunil More	Chairman	09|02|19
Dr. Manjunath K	External member	
Dr. Sidhalingamurthy	External member	
Dr Anirudha Lakshminarasimhan	External member	
Dr. Anu Sharma	Internal member	
Dr. Nagaraju N	External member	

Members Absent :

1. Dr Harish Pai
2. Dr P. Kondaiah
3. Dr Sundaram P M
4. Dr. Rita Christopher.
5. Dr Girish S K.
6. Dr Gautham S A.

Proceedings of the B.O.S. Meeting of Dayananda Sagar University, held on 09.02.2019

- The meeting of the board studies was held in C.D. Sagar Building on 09.02.2019 from 10.00 am.
- The chairman welcomed all the members of the board, introduced the members and initiated the meeting.
- The agenda of the meeting was briefed by chairman.
- The Board took up the appropriate decisions on all the agendas of the meeting after a detailed deliberation.

Agenda 1: Proposing new course matrix scheme for all six semesters B.Sc. as per choice based credit system (CBCS) guidelines.(Annexure 1)

- The board members suggested to include basic life science course as common subject for the all the combinations. The suggestion was included in the B.Sc. course matrix.No separate course was created instead changes included in the existing papers.
- Board members suggested to change the name of ability enhancement course 'English' to 'Communicative English'.
- The new course matrix for the B.Sc. was appreciated and approved by the B.O.S. members.

Agenda 2: Proposing new course matrix scheme for all four semesters M.Sc. as per CBCS guidelines. (Annexure 2)

- The new course matrix for the M.Sc. was appreciated and approved by the B.O.S. members.

Agenda 3: Approval of 1 year B.Sc. syllabus as per CBCS. **(Annexure 3)**

- A blow up syllabus was presented before the BOS members. After detailed deliberation BOS members suggested few changes in the papers of 1st semester such as basic chemistry paper and fine tuning was suggested in paper Basic genetics (19BS103). However Cell Biology, Basic Genetics and all associated labs were well appreciated and approved without any changes.

- The 2nd semester BSc common blow up syllabus of life science was presented before the BOS member. After deliberation corrections were suggested in few modules and find tuning suggested in hour allocations in subjects like general microbiology and analytical techniques, basic biochemistry papers and practicals pertaining to core subjects were approved without any changes.

Agenda 4: Approval of 1 year M.Sc. syllabus as per CBCS. **(Annexure 4a, 4b and 4c)**

- A blow up syllabus of MSc first year was presented before the BOS members after detailed deliberation. Members suggested few changes in the following syllabus of Biochemistry, Biotechnology and microbiology papers.

- BOS appreciated the common syllabus for 1st sem and 2 core papers in 2nd semester uniformly across all the 3 PG programmes.

- This will prevent redundancy of the paper and enhance higher skills for advance studies, placements and competitive exams.

- A blow up syllabus of 1st semester common M.Sc. syllabus was presented before the BOS members and they suggested fine tuning in Fundamentals of Chemistry, Biomolecules, Genetic engineering and module restructuring was suggested for General Microbiology paper.

- However the associated labs were well appreciated with no changes.

- For soft core and skill enhancement courses member felt the core should be expected in bioinformatics lab to get hands on skills which should lead to complete understanding of real time problems.

- Two common papers, Molecular Biology and Analytical techniques in 2nd semester of MSc were presented before the members. After detail deliberations members appreciated and approved the syllabus.

- In MSc Biochemistry, for Human Physiology and Metabolism I fine tuning was suggested. Respective labs in the semester were approved without any changes.

- Complete syllabus of Genetic Engineering and Advanced Cell Biology, was presented and fine tuning was suggested in Genetic Engineering course by BOS members and associated labs were appreciated and approved.

- Complete syllabus of Prokaryotic and Eukaryotic Microbiology, Microbial Physiology was presented and fine tuning was suggested by BOS members and associated labs were appreciated and approved.

- Minor title correction in 2nd semester MSc Microbiology lab course - Prokaryotic and Eukaryotic Microbial Physiology was changed to Prokaryotic and Eukaryotic Microbiology and Microbial physiology.

*Agenda 5:*Any other concerning matter, with the permission of the Chairman.

- Detailed scheme of evaluation of B. Sc. Courses for theory and practical's have been placed before BOS members and approved.(**Annexure 5**)

- Question paper pattern for the end semester examination of B. Sc. Courses has been placed before BOS. members and approved.(**Annexure 6**)

- A new question paper pattern for the end semester examination of M. Sc. Courses has been placed before BOS members and approved. (**Annexure 7**)

- The feedback inputs were obtained from various stake holders like teachers, students, alumni and employers regarding curriculum adopted at School of Basic and Applied Sciences, Dayananda Sagar University.

Outline and Summary:

1. Majority of the students appreciated the curriculum of undergraduate program.
2. Majority of the stakeholders suggested for a common syllabus in the first two semesters across departments for PG programs
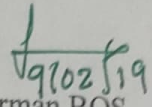3. The stakeholders were appreciative of the extracurricular activities

Actions suggested / taken at BoS meeting

1. The BoS members appreciated the idea of common papers across departments for the PG courses that would help in competitive exams.
2. The same will be followed from the next academic year.

The Chairman of the BOS thanked all the externals and internals for their time and valuable suggestion for revising the UG and PG syllabus of Biological Sciences.

Date:

Place: Bangalore

Chairman BOS
Dr. Sunil S More
Professor & Dean
School of Basic & Applied Sciences,
Dayananda Sagar University,
K. S. Layout, Bengaluru-78.

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED
SCIENCES DEPARTMENT OF BIOLOGICAL
SCIENCES

DOCUMENT TITLE: 7th BOARD OF STUDIES MEETING of Dept of Biological
Sciences, School of Basic and Applied Sciences, DSU

DATE: 22.02.2020

TIME: 9: 30 AM TO 2:00PM

VENUE: BOARD ROOM, CIL, Dr. C.D. SAGAR CENTRE FOR LIFE SCIENCES.

AGENDA OF THE MEETING:

1. Approval of 2nd year B.Sc. syllabus as per CBCS.
2. Approval of 2nd year M.Sc. syllabus as per CBCS.
3. Approval for the change of course title "Food and Industrial Microbiology
   (19MMB5302)" to "Industrial, Food and Dairy Microbiology" and to retain
   the same course code.
4. Discussion on feedback from stakeholders and any other concerning
   matter, with the permission of the Chairman.

BOS Members:

1. **Dr. Sunil More**
   Chairman - B.O.S.
   Dean - SBAS,
   Dayananda Sagar University,
   Bangalore.

2. **Dr. Harish Pai**
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   Development and Genetics, Indian Institute of Science, Bangalore
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10. **Dr. Nagaraju N**
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    HOD & Associate Professor, Department of
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    Email: nagarajun@yahoo.com

11.Dr. Shilpa BM

    Internal Member,

    Asst. Professor

    School of Basic and Applied Sciences

    Dayananda Sagar University, Bangalore.

12.Dr. Suswetha S Das

    Internal Member,

    Asst. Professor

    School of Basic and Applied Sciences

    Dayananda Sagar University, Bangalore.

Name of the BOS Member - **PRESENT**
1.   Dr. Sunil More
2.   Dr. Harish Pai
3.   Dr. Sundaram P M
4.   Dr. P Kondaiah
5.   Dr. Rita Christopher
6.   Dr. Sidhalingamurthy
7.   Dr Girish S K
8.   Dr. Anirudha Lakshminarasimhan
9.   Dr. Shilpa BM
10.   Dr. Suswetha S Das

Name of the BOS Member - **ABSENTEES**
1.   Dr. Manjunath K
2.   Dr. Nagaraju N

DAYANANDA SAGAR UNIVERSITY
School of Basic and Applied Sciences,
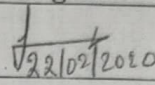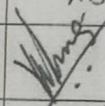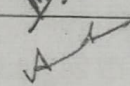### Kumaraswamy Layout, Bangalore-560 111.
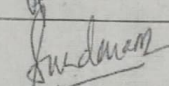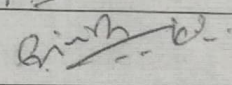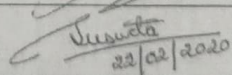
Documentation Title: 7th Board of Studies Meeting of B.Sc and M.Sc, DSU
Date: 22.02.2020
Time: 9:30 A.M to 1:00 P.M
Venue: Board Room, CIL, Dr. CD Sagar, Centre for Life Sciences

Members Present:

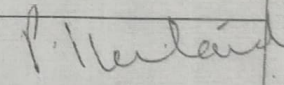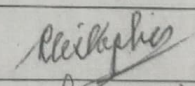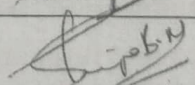| Sl.Nos.	Name of the members	Designation	Signature
1	Dr. Sunil S More	Chairman	22/02/2020
2	Dr. Manjunath K	External Member	ABSENT
3	Dr. Sidhalingamurthy	External Member	
4	Dr. Anirudha Lakshminarasimhan	External Member	
5	Dr. Harish Pai	External Member	
6	Dr. Sundaram P.M	External Member	
7	Dr. Girish S K	External Member	
8	Dr. Nagaraju. N	External Member	ABSENT
9	Dr. P Kondaiah	External Member	
10	Dr. Rita Christopher	External Member	
11	Dr. Shilpa B M	Internal Member	
12	Dr. Susweta Das	Internal Member	22/02/2020

- The meeting of the board studies was held in C.D. Sagar Building on 22.02.2020 from 9.30 am.
- The BOS Chairman, welcomed all the members of the board, introduced the members to newly joined faculty and initiated the meeting.
- Updated the proceedings of previous BOS meet also about course matrix approval of 1st year syllabi of BSc and MSc.
- The agenda of the current meeting was also briefed by the Chairman.
- The Board Members took up the appropriate decisions on all the agendas of the meeting after a detailed deliberation. The agenda wise detailed proceedings is as follows

Agenda 1: **Approval of 2nd year B.Sc. syllabus as per CBCS (Annexure 1)**

- A comprehensive syllabus was presented before the BOS members. After detailed deliberation BOS members suggested few changes in the papers of 2nd year (3rd semester) such as Immunology paper (19BT2301) and fine tuning was suggested in paper Animal Physiology (19BY2301).

- Panel experts also proposed addition of title-based practical in "Fundamentals of Cytogenetics-Lab" (19GN2371) as most of the experiments listed are of basic genetics, not cytogenetics. Fine tuning of syllabi was done by adding relevant experiments justifying the existing title.

- 3rd semester microbiology core paper, Microbial Diversity and Kinetics 19MB2301) where in board suggested to add few applications of microbes in related area. The associated labs were well appreciated and approved with very few changes. Advanced Chemistry-I (19CY2301) was recommended and suggested for the condensation of the curricula in consideration to limited teaching hours and was incorporated as per board recommendation.

- The 4th semester BSc common syllabi of life science Molecular Biology (19BS2401) and Genetic Engineering (19BS2402) was presented before the BOS panel and got the approval. Enzymology and protein chemistry (19BY2401), Advanced chemistry-II (19CY2401) and their respective practical were accepted without much corrections. Retuning of 4th

practical paper titled Techniques in molecular biology was advised by the board team and corrections have been made.

- Minor changes suggested for Genetic Engineering (19BS2402) paper and its related practical.. Expected corrections were incorporated in few modules with sub-title changes for this paper and took approval of the board.

- The 2nd year elective papers Biostatistics and Bioinformatics were approved without any modifications. The audit papers of 3rd and 4th Sem Computer applications and information technology and Entrepreneurship, respectively was accepted without any modifications. [Annexure – I]

Agenda 2: Approval of 2nd year M.Sc. syllabus as per CBCS. (Annexure 2)

The 3rd Semester and 4th Semester MSc syllabus was presented before the BOS members. Fine tuning and minor restructuring of the module was advised.

The suggested modifications were duly incorporated as follows:

MSc Biochemistry Syllabus:

- Certain topics were suggested for reshuffling between the elective courses viz., Course code 19MBC5321 (Immunology) and 19MBC5322 (Molecular Physiology). Accordingly, the Module IV in 19MBC5321, "Path immunology & immunotechniques" was incorporated whereas "cancer biology and apoptosis" topic were retained in molecular physiology course.

- Minor changes suggested for common courses were incorporated as follows:
- In 19MSC5301 Clinical Research, the title of the two modules was modified to MODULE I: Concepts of Clinical Research and Module II: Regulatory perspectives of Clinical Research in place of Preclinical evaluation studies and Overview of regulatory perspectives of clinical trials respectively. However, no changes in the course content were suggested.

- The necessary minor corrections suggested for Open Elective 19MOE5401 "Food and Nutrition" has been incorporated.

- In Open Elective Course: 19MOE5402-HEALTH AND DISEASE incorporation of topics "Chronic and Inherent Diseases in Module II and "viruses SARS, Coronavirus" in module IV was done. The second module heading was changed to "Communicable Diseases and substance abuse".

- As per advice, the Open Elective course 19MOE403 – Science of Happiness was not recommended for the MSc program as open elective.

- It was suggested to devise a General biology course comprising basic concepts of genetics in one of the modules. Accordingly, a course titled "Basic Biology of Cells" was framed and incorporated in place of 19MOE403. The open elective 19MOE405 "Genes and Genomes" was removed and the suggested basic concepts of genetics were included in the newly introduced general biology course.

- All the necessary corrections in course code and corresponding course title in the Course matrix as well as the syllabus have been made. – [Annexure 2a]

MSc Biotechnology Syllabus:

- Minor changes in Course Title of ELECTIVE papers was incorporated as follows: 19MBT5323-Principles of Enzymology and Metabolism in place of "Biochemistry"; 19MBT5324-Health and Environmental Biotechnology in place of "Medical and Environmental Biotechnology" and 19MBT5326-Human Genetic Diseases in place of "Human Disease Genetics"

- In course 19MBT5321 -Plant Biotechnology; the topic on ethical and regulatory aspects of GM crops and food were included in Module IV as per board suggestion.

- Minor changes suggested for common courses were incorporated as follows:
- In 19MSC5301 Clinical Research, the title of the two modules was modified to MODULE I: Concepts of Clinical Research and Module II: Regulatory perspectives of Clinical Research in place of Preclinical evaluation studies and Overview of regulatory perspectives of clinical trials respectively. However, no changes in the course content were suggested.

- The necessary minor corrections suggested for Open Elective 19MOE5401 "Food and Nutrition" has been incorporated.

- In Open Elective Course: 19MOE5402-HEALTH AND DISEASE incorporation of topics "Chronic and Inherent Diseases in Module II and "viruses SARS, Coronavirus" in module IV was done. The second module heading was changed to "Communicable Diseases and substance abuse".

- As per advice, the Open Elective course 19MOE403 – Science of Happiness was not recommended for the MSc program as open elective.

- It was suggested to devise a General biology course comprising basic concepts of genetics in one of the modules. Accordingly, a course titled "Basic Biology of Cells" was framed and incorporated in place of 19MOE403. The open elective 19MOE405 "Genes and Genomes" was removed and the suggested basic concepts of genetics were included in the newly introduced general biology course.

- All the necessary corrections in course code and corresponding course title in the Course matrix as well as the syllabus have been made. [Annexure 2b]

MSc Microbiology Syllabus:

- Minor modification for Pharmaceutical Microbiology was incorporated. However, the associated labs were well appreciated with no changes.

- Minor title correction in 3rd sem MSc Microbiology lab course - Immuno, Medico and Industrial Microbiology to Immunology, Medical and Industrial Microbiology was incorporated

- Minor changes suggested for common courses were incorporated as follows:
- In 19MSC5301 Clinical Research, the title of the two modules was modified to MODULE I: Concepts of Clinical Research and Module II: Regulatory perspectives of Clinical Research in place of Preclinical evaluation studies and Overview of regulatory perspectives of clinical trials respectively. However, no changes in the course content were suggested.

- The necessary minor corrections suggested for Open Elective 19MOE5401 "Food and Nutrition" has been incorporated.

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- As per advice, the Open Elective course 19MOE403 – Science of Happiness was not recommended for the MSc program as open elective.

- It was suggested to devise a General biology course comprising basic concepts of genetics in one of the modules. Accordingly, a course titled "Basic Biology of Cells" was framed and incorporated in place of 19MOE403. The open elective 19MOE405 "Genes and Genomes" was removed and the suggested basic concepts of genetics were included in the newly introduced general biology course.

- All the necessary corrections in course code and corresponding course title in the Course matrix as well as the syllabus have been made. [Annexure 2c]

Agenda 3: Approval for the change of course title "Food and Industrial Microbiology (19MMB5302)" to "Industrial, Food and Dairy Microbiology" and to retain the same course code.

- The changes requested for course title "Food and Industrial Microbiology (19MMB5302)" to "Industrial, Food and Dairy Microbiology" and to retain the same course code was approved by BOS members.

Agenda 4: Discussion on feedback from stakeholders *and* any other concerning matter, with the permission of the Chairman.
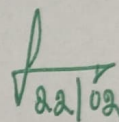
- Fine-tuning of few course titles in PG syllabus was suggested which was incorporated in our course matrix of all the three PG programs and highlighted in respective course matrix.

- The feedback inputs were obtained from various stake holders like teachers, students, alumni and employers regarding curriculum adopted at School of Basic and Applied Sciences, Dayananda Sagar University.

Outline and Summary:

1. Majority of the students were appreciative of the curriculum and the extracurricular activities of the school.

2. The Stakeholders suggested for a more practical based approach to be incorporated in the curriculum like seminars, and projects

3. The teachers suggested incorporating a paper on research methodology to facilitate the students for a better understanding of project work.

Actions suggested / taken at BoS meeting

- BoS members approved the inclusion of seminars and projects as a practical based approach of learning.
- The members included the research methodology course in both undergraduate and postgraduate program.
- The members also included a minor project in undergraduate curriculum, a mjor project and industrial visit in post graduate program.
- A comphrensive Viva by an external evaluator was also suggested and included to improve the effectiveness of the postgraduate program.

22|02|20

Dr. Sunil S More

Chairman BOS

Dean,

School of Basic & Applied Sciences,

Dayananda Sagar Univer

K.S. Layout, Bengaluru - 560 ε

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES

DOCUMENT TITLE: BOARD OF STUDIES MEETING of B.Sc. and M.Sc.,
School of Basic and Applied Sciences, DSU

DATE: 24/04/2021
TIME: 9.30 AM
VENUE: Online through zoom link

AGENDA OF THE MEETING:

1. Proposing new course matrix scheme for BSc (Applied Biology) four years program as per choice-based credit system (CBCS) guidelines.
2. Approval for 1ˢᵗ year BSc syllabus as per new course matrix for the new BSc Applied Biology program.
3. Approval for BSc 2ⁿᵈ year syllabus (3ʳᵈ and 4ᵗʰ semester) as per course matrix for the 2020-2021 batch.
4. Approval for BSc 3ʳᵈ year syllabus (5ᵗʰ and 6ᵗʰ semester) as per course matrix for the 2019-2020 batch.
5. Change of elective paper from Industrial Biotechnology to Clinical Toxicology in course matrix of BSc 6ᵗʰ semester for 2019-20 Batch.
6. MSc Human Genetics - Approval for 2ⁿᵈ year syllabus.
7. Any other matter with the permission of Chair.

BOS MEMBERS:

1. Dr. Sunil More
   Chairman - B.O.S.
   Dean - SBAS,
   Dayananda Sagar University,
   Bengaluru.

2. Dr. Harish Pai
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   paturu@mrdg.iisc.ernet.in

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   Dept. of Post- Graduate Studies in Biotechnology & Microbiology,
   Bangalore University
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6. Dr. Rita Christopher
   External Member,
   Professor and Head, Department of Neurochemistry,
   National Institute of Mental Health and Neuro Sciences,
   Bengaluru
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   Email: rita@nimhans.kar.nic.in

7. Dr. Sidhalingamurthy
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    School of Basic and applied Sciences
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    manjulang-sbas@dsu.edu.in

Name of the BOS Member – **PRESENT**	
1.	Dr. Sunil More
2.	Dr. P Kondaiah
3.	Dr. Harish Pai
4.	Dr. Sundaram P M
5.	Dr. Manjunath K
6.	Dr Girish S K
7.	Dr. Anirudha Lakshminarasimhan
8.	Dr. Dinesh M Gowda
9.	Dr. Manjula N G

Name of the BOS Member - **ABSENTEES**	
1.	Dr. Sidhalingamurthy
2.	Dr. Rita Christopher

DAYANANDA SAGAR UNIVERSITY
SCHOOL OF BASIC AND APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES
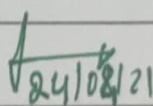
DOCUMENT TITLE: BOARD OF STUDIES MEETING of B.Sc. and M.Sc.,
School of Basic and Applied Sciences, DSU

DATE: 24/04/2021
TIME: 9.30 AM
VENUE: Online Meeting, through zoom link

Members present:

Sl. No	Name of members	Designation	Signature
1	Dr. Sunil More	Chairman	24/08/21
2	Dr. P Kondaiah	External member	
3	Dr. Harish Pai	External member	
4	Dr. Sundaram P M	External member	
5	Dr. Manjunath K	External member	
6	Dr Girish S K	External member	
7	Dr. Anirudha Lakshminarasimhan	External member	
8	Dr. Dinesh M Gowda	Internal member	
9	Dr. Manjula N G	Internal member	

Proceedings of the B.O.S Meeting Dayananda Sagar University, held on 24.04.2021

Due to the present pandemic situation, it was not possible to hold the BOS meeting in the campus. The meeting was held through virtual meet. The revised syllabus for BSc 2019-2020 (5th and 6th semester), BSc 2020-2021 (3rd and 4th semester), MSc (Genetics) syllabus for 2nd year, certificate courses and Course matrix for New BSc 4 years Program (Applied Biology) was sent to the BOS members via email for their kind perusal.

- The Board of studies meet was conducted virtually through zoom link on 24.04.2021 from 9.30 am.
- The Chairman, Dr Sunil S More welcomed all the members of the board and initiated the meeting.
- The agenda of the current meeting was briefed by the Chairman.
- Board Members took up the appropriate decisions on all the agendas of the meeting after a detailed deliberation.
- The course matrix needs to be revised and therefore the syllabus has been kept for further consideration.

AGENDA I: Approval for BSc 2nd year syllabus (3rd and 4th semester) as per course matrix for the 2020-2021 batch. **(ANNEXURE 1)**

- A comprehensive syllabus was presented before the BOS members during the online meet.

- After detailed deliberation, BOS members suggested few changes in the papers. **APPLIED GENETICS (20GN2401)** – for 2nd year (4th semester) has been revised as per the suggestions given by the members. The Module 2, now includes both animal and plant tissue culture concepts as earlier version had only on plant tissue culture.

- Module 4 has been renamed from "Genetics in Medical and Industry" to **"Genetics in medical and Industrial Biotechnology".**

- **TECHNIQUES IN rDNA TECHNOLOGY-LAB (20BT2371):** Practical were fine-tuned with the suggestions given by BOS members. Where in, the word "chemical" has been deleted from the practical component like chemically competent cells and chemical transformation.

AGENDA II: Approval for BSc 3rd year syllabus (5th and 6th semester) as per course matrix for the 2019-2020 batch. **(ANNEXURE 2)**

- For the 6th Semester paper **19GN3601 - APPLIED GENETICS AND GENOMICS** that was presented during the meet was asked to modify with respect to the Module 4. As per the suggestions given, the module 4 includes a component on Proteomics.

- **Elective paper II** in 6th Semester, MATERIAL SCIENCE (19OE3602) was advised to change the Title from "Material Science to INDUSTRIAL MATERIALS (19OE3602)". Since, the latter denoted the subject as vast area the title has been changed on the advice of the BOS members as **INDUSTRIAL MATERIALS (19OE3602).**

- **Elective paper I** in 5th Semester, **Health and Diseases (19OE3502)** has been revised as per the suggestions.

AGENDA III: Change of elective paper from Industrial Biotechnology to **Principles of Clinical Toxicology (19OE3601)** in course matrix of BSc 6th semester for 2019-20 Batch.

- As per the course matrix the subject Industrial Biotechnology reflected the syllabus almost similar to Fermentation technology **(19OE3601).**

- Hence, with the permission and after the syllabus approval the paper has been approved for **PRINCIPLES OF CLINICAL TOXICOLOGY-19OE3601** for 6th semester instead of Fermentation technology.

- BOS members also suggested to include the Eligibility criteria for the open electives.

- Eligibility criteria for **PRINCIPLES OF CLINICAL TOXICOLOGY-(19OE3601)** is open to students who have a course of Animal and Clinical Physiology.

AGENDA IV: MSc Human Genetics - Approval for 2nd year syllabus. **(ANNEXURE 3a)**

- BOS members suggested to modify the paper **"20MHG5371-LABORATORY EXERCISE IN MEDICAL AND CANCER GENETICS".** It was advised by the members to delete the 4th experiment-

"Isolation of mRNA by triazole method." The necessary changes have been made as per suggestions.

- Title of elective paper "20MHG5322-HUMAN BEHAVIORAL AND REPRODUCTIVE GENETICS" was suggested to change as "DEVELOPMENTAL AND REPRODUCTIVE GENETICS (20MHG5322)". The title and two modules of the syllabus for the same has been modified as per the suggestions received from the BOS members.

- Title of 4th module of the paper "DEVELOPMENTAL AND REPRODUCTIVE GENETICS" has been modified as per the suggestions of the BOS members as "GENETICS OF INFERTILITY AND ASSISTED REPRODUCTIVE TECHNIQUES" instead of "GENETICS OF INFERTILITY AND REPRODUCTIVE OPTIONS".

AGENDA V: (Annexure 3b)

- With the concerned permission of the Chairperson and BOS members all the PG programs (Microbiology, Biotechnology, Biochemistry and Genetics) will be conducting Project work for 4th semester exclusively for the students (20MSC5402).

- The **Research methodology paper (20MSC5401)** from the 4th semester has been revised and added in Third semester with the permission and approval of the BOS members.

AGENDA VI:

Any other matter with the permission of Chair.

- **FERMENTATION TECHNOLOGY (19BT3601)** BSc -2019, 6th Semester.
  The module has been added with the heading as follows.
  Module 1: Introduction to fermentation technology as heading.

- **INDUSTRIAL, FOOD AND DAIRY MICROBIOLOGY (20MB2401)**
  BSc-2020, 4th Semester.
  Approval for the change of course title from Food and Industrial Microbiology (20MB2401) to "**Industrial, Food and Dairy Microbiology (20MB2401)** and to retain the same course code.

- **Short certificate courses** were approved by the BOS members after revising the number of hours to be increased to 30 hours.

AGENDA VI: New proposed course matrix scheme for BSc (Applied Biology). (ANNEXURE 4)

- The four years program as per choice-based credit system (CBCS) guidelines was discussed with the Board of members.
- Committee members suggested that there is a **need for further detailed deliberation** with respect to the course matrix pertaining to addition of Basics and taking in consideration with other departments.
- BOS members also suggested that the similar core subjects can be planned simultaneously with the other BSc programs.
- Members suggested to add Project I and Project II in the 7th and 8th semesters instead of Dissertation/Minor project.

AGENDA VII: Approval for 1st year BSc syllabus as per new course matrix for the new BSc Applied Biology program.

- The course matrix needs to be revised and therefore the syllabus has been kept for further consideration.
- With respect to this **in coming weeks we plan to hold a meeting for reviving** the Course matrix and the Syllabus for 1st year.
- The feedback inputs were obtained from various stake holders like teachers, students, alumni and employers regarding curriculum adopted at School of Basic and Applied Sciences, Dayananda Sagar University.
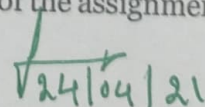
Outline and Summary:

1. Majority of the stakeholders were appreciative of the curriculum and the extracurricular activities of the school.
2. The teachers and students suggested including Basic Microbiology course in undergraduate biotechnology curriculum to understand the subject better.
3. The stakeholders suggested to starting a four year degree undergraduate course for better prospects of graduating students.

Actions suggested / taken at BoS meeting

1. The BoS members appreciated the inclusion of Basic Microbiology paper for an undergraduate program.
2. The members also approved for the preparation/implementation for the four year undergraduate course (B.Sc Honors) from the academic year 2022-23.

We, thank all the BOS members, for investing their valuable time and giving constructive inputs for the curriculum development. In spite of all the difficulties in this present pandemic situation the timely completion of the assignment is very much appreciated.

Date:24-04-2021
Place: Bangalore

24/04/21

Chairman BOS
Dean,
School of Basic & Applied Sciences,
Dayananda Sagar University,
K.S. Layout, Bengaluru - 560 078.,

Dayananda Sagar University

School of Commerce and Management Studies

Action Taken Report (ATR) – Board of Studies (BoS)
MBA Program 2019-2020

Minutes – Curriculum Feedback, Suggestions and Outcomes		
Date: 3rd July 2020	Time: 10.00 AM to 1.00 PM	Location: Dayananda Sagar University, Innovation Campus, Hosur Road, Bengaluru
Meeting Called By	Prof. (Capt.) A. Nagaraj Subbarao, Dean- SCMS-PG	
Type of the Meeting	Deliberations on Curriculum Feedback and Actions to be considered	
Summary	The School of Commerce and Management Studies – PG Programs - MBA Department of Dayananda Sagar University collects the feedback on the overall curriculum aspects from various stake holders like Employers, Faculty, Students and Alumni. Once a feedback is collected, it is analyzed thoroughly and the same is submitted as a report to the academic council and the Board of Studies for necessary actions. The BoS examines the analysis report and detailed deliberations are done based on which the necessary actions are considered and implemented.	

Stakeholder	Feedback/Suggestions	Action Taken or Suggested
Students	Career Orientation and hands on training sessions should be conducted	Planned to discuss with the committee and focus on conducting few for the students
Alumni	Suggested to have more activities for communication skills	Group discussion and other activities along with regular academics
Employer	Employer Suggested to do real projects to enhance employability and their skills	Planned to discuss with the project coordinator
Faculty	Mandatory workshops for the students during their study program	Will focus on conducting few workshops for improving students' skills for employability
	Proposed to introduce New programs in Management like data science, design management, technology management	Planning to introduce in the next curriculum

Dean
Centre for Executive Education
Dayananda Sagar University

Meeting: Board of Studies - Attendance

MBA & Executive MBA- Friday, July 3, 2020
Venue: Dayananda Sagar University, Campus # 3

#	Member	Status	Attended	Signature
1	A.V. Venkatesh	Industry		
2	Arindam Sen Ph.D.	Industry		_(signature)_
3	Prof. Geetha Reddy Ph.D.	Academia		_(signature)_
4	Prof. H.N. Shankar	Academia		_(signature)_
5	Utkarsh Thakur	Industry		_(signature)_
6	Srinivas R.G.	Industry		
7	Srinivas Iyengar	Industry		_(signature)_
8	Prof. Sunil Bhumralkar	Academia		_(signature)_
9	Antharaman Subramanian	Industry		—
10	Dinesh Damodaran Ph.D.	Industry		—
11	Roshan Damodaran	Industry		—
12	Prof.Venkata Muni Reddy Ph.D.	Academia		Online
13	Prof. Asha Nadig Ph.D.	Academia		_(signature)_
14	Prof. Rahul Dighe Ph.D.	Academia		_(signature)_
15	CAPT. Nagaraj Subbarao	Academia		
	Invitee			
16	Prof. Padmalatha Ph.D.	Academia		_(signature)_
17	Prof. Suresh Ph.D.	Academia		_(signature)_
18	Prof. Alok Chakravarthy	Academia		_(signature)_
19	Prof. Anant Pophali	Academia		_(signature)_
20	Prof. Porush Singh	Academia		_(signature)_
21	Prof. V.V. Rajan	Academia		_(signature)_
22	Prof. Naveen Sriram	Academia		_(signature)_

Dean
Centre for Executive Education
Dayananda Sagar University

(signature)

(seal: DAYANANDA SAGAR UNIVERSITY SCHOOL OF COMMERCE & MANAGEMENT STUDIES BANGALORE)

Registrar
Dayananda Sagar University
Bangalore _(signature)_