



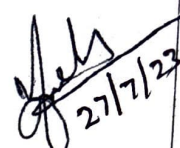
DAYANANDA SAGAR UNIVERSITY

PROCEEDINGS OF BOS MEETING

- School : School of Engineering
- College : Dayananda Sagar University
- Program/Department : Computer Science & Engineering (Data Science)
- Mode of BOS Held : Hybrid (<https://meet.google.com/akq-cvzk-yqj>)
- Date : 27th July 2023
- Venue : Block B, DSU
- Time : 2:30 PM to 5:00 PM

Members Present:

SL. No	Name	Designation & Affiliation	Signature
1	Dr. Udaya Kumar Reddy K R (PhD from NIT-T)	Professor & Dean, School of Engineering Dayananda Sagar University Email: dean-engg@dsu.edu.in	
2	Dr. Shaila SG (PhD from NIT-T)	Professor & Chairman, Dept. of CSE (Data Science), SoE Dayananda Sagar University Mobile: 8884560635 Email: chairman-ds@dsu.edu.in , shaila-cse@dsu.edu.in	
3	Dr. Mahesh Kumar H.Kolekar (IIT- Patna)	Associate Professor, Ph.D, E and ECE Dept, IIT Kharagpur. Post-Doctoral Fellow, Dept of Computer Science, University of Missouri, MO, USA Mobile: 8986184240 Email: mahesh@iitp.ac.in	
4	Dr. K S Sreedhar (PhD from IIT-K)	Professor, Dept. of CS & E, UBDT College of Engineering, Davanagere Mobile: 9380060460 Email: ks_shreedhara@yahoo.com	
5	Dr. Sabeeha Sultana	Machine Learning Engineer, Cognizant, Bangalore Mobile: 9880973306 Email: drsultana25@gmail.com official email: sabeeha.sultana@cognizant.com	
6	Dr. M K Banga (PhD from IIT-K)	Professor & Dean-Research, Dayananda Sagar University Mobile: 9845448506 Email: banga.mkkrishna@gmail.com dean-research@dsu.edu.in	

7	Dr. Kakoli Bora	Associate Professor, Dept of CSE (Data Science), Dayananda Sagar University Email: kakolibora-ds@dsu.edu.in	
8	Prof. Monish L	Assistant Professor, Dept of CSE (Data Science), Dayananda Sagar University Email: monishl-cse@dsu.edu.in	 27/7/23

● Members Absent:

SL. No	Name	Designation & Affiliation
1	Dr. Surendiran K (NIT-Puducherry)	Associate Professor, Department of CSE, NIT-Puducherry Mobile: 9942761363 Email: surendiran@nitpy.ac.in
2	Mr. Suresh H Rao	Director PAYPAL Mobile: 9986008672 Email: sureshbrao15@yahoo.co.in



 27/7/23
CHAIRPERSON
 Dept of CSE (Data Science)
 School of Engineering
 Dayananda Sagar University
 Devarakaggalahalli, Kanakapura Road
 Ramanagara District - 562112
 Karnataka

Minutes of Meeting

Minutes of Meeting of the Board of Studies held on 27th July 2023.

● Agenda

SL. No	Particulars
1	Stakeholder feedback on curriculum: student, faculty, parents
2	Deliberation and discussion on the 2020 scheme and CBCS syllabus 7th - 8th semester of BTech CSE(Data Science)
3	Deliberation and discussion on the 2021 scheme and CBCS syllabus 5th - 8th semester of BTech CSE(Data Science)
4	Deliberation and discussion on the 2022 scheme of 3rd - 8th semester and CBCS syllabus 3rd - 4th semester of BTech CSE(Data Science)
5	Deliberation and discussion on the 2023 scheme of 1st - 2nd semester and CBCS syllabus 1st - 2nd semester of BTech CSE(Data Science)
6	Overall suggestions and directions, Concluding remarks

● Discussions on Agenda

Agenda	Discussions Brief
1	Stakeholder feedback on curriculum Student, faculty, Parents feedback on the curriculum was discussed. Based on the feedback collected the following changes in the curriculum have been incorporated on - Embedded IoT, Machine learning, High Performance Computing, data privacy and cyber security. - Most of the theory courses have been incorporated with integrated Lab based on the suggestion of the BOS members. - Syllabus of Blockchain and crypto currency has been incorporated as per the inputs from the BOS members.
2	Deliberation and discussion on the 2020 scheme and CBCS syllabus 7th - 8th semester of BTech CSE(Data Science) and approval for the same. Semester wise CBCS Scheme for 2020 batch was presented - Suggested to rename "Computer Vision" as "Image processing and Computer Vision" for the 7th Semester - Suggested to add the course "Cloud Computing" instead of "Bio-Inspired Learning" for the 7th Semester. - Suggested to include and exclude few textbooks to Computer Vision, Cloud Computing, Deep learning, Social Network Analysis. - Suggested to reduce some portion from Unit-2 in "Embedded IoT" and retain domain applications in Unit-4. Add portions of Unit 5 to self-study by students.

5. Also suggested to add the concept of transformers in unit
3. Suggested to retain 2 textbooks in Deep Learning course.
6. Suggested to add the self-driven car application as use-case in **"AI principles and techniques"**.
7. Suggested to rename the course **"Data privacy and security"** as **"Data privacy and cyber security"**. Suggested to introduce the concepts of cyber security in Unit 4 & digital forensics in 5.
8. Suggested to add a course on **"Blockchain and Cryptocurrency"** as professional electives.
9. Suggested to update the content of the course **"High Performance Computing"** as per the current trend.
10. Suggested to add the concept of handling the unbalanced datasets in the open elective course **"Fundamentals of Data Science"**, also asked to retain 2 textbooks.
11. Suggested to remove the subject **"Data Analytics and Exploration"** from the Open Elective List.
12. Suggested to add data analytics contents in the open elective course of **"Business Analytics"**.
13. Suggested to maintain uniform evaluation guidelines for internships, a serious evaluation should happen. Also suggested to set up an internship coordinator and assign guides to all the students.

3

Deliberation and discussion on the 2021 scheme and CBCS syllabus 5th - 8th semester of BTech CSE(Data Science) and approval of the same

Semester wise CBCS Scheme for 2021 batch was presented.

1. Suggested to remove the **"Machine learning and Deep Learning"** course and to offer the Machine learning and Deep Learning as separate courses.
2. Suggested to offer the course **"Artificial Intelligence"** as professional elective-1.
3. **"Deep Learning"** was suggested to be made as a professional elective- 5.

4. Suggested to rename the course "Pattern Analysis in Data Science" to "Pattern Recognition".
5. Suggested to design the problem-based lab programs in the course "OOPS with Java".
6. Suggested to add a textbook for "Design and analysis of Algorithms" by S. Sridhar.
7. Suggested to add a textbook for "Machine Learning" by S. Sridhar and M. Vijayalakshmi.
8. Suggested to add a textbook for "Pattern recognition" by Earl Gose.
9. Suggested to remove certain contents in "Natural Language Processing". NLP Applications has to be offered as self-study for the students.
10. Suggested to offer MOOC courses from NPTEL/ Swayam with University guidelines. MOOC can be offered in 5th/6th semester and should be completed by 8th semester.

4

Deliberation and discussion on the 2022 scheme of 3rd - 8th semester and CBCS syllabus 3rd - 4th semester of BTech CSE (Data Science)

Semester wise CBCS Scheme for 2022 batch was presented.

1. Suggested that 3rd and 4th semester syllabus are heavily loaded with core courses.
2. Suggested to rename Linux programming as "Shell Scripting" as a Skill Enhancement course 3.
3. Suggested to include "Python Scripting" in Skill Enhancement course 2.
4. Suggested to offer "Embedded Systems" as a professional elective course if possible and also suggested to include Real Time Operating System and Embedded Operating System concepts along with hardware modules.
5. BOS members suggested to include "Foundations of Data Science" in 3rd semester.
6. Suggested to provide a minimum of 1 year to complete the "MOOC" Course.

Deliberation and discussion on the 2023 scheme of 1st - 2nd semester and CBCS syllabus 1st - 2nd semester of BTech CSE (Data Science)

Semester wise CBCS Scheme for 2023 batch was presented.

No Changes were suggested in the First-year scheme of 2023 batch.

● Overall suggestions and directions, Concluding remarks

Agenda	Decisions/Resolutions/Recommendations
1-5	- Decision was taken to incorporate the changes suggested by the members. - Decision was taken to have a common guideline for all the departments Internship/MOOC. - Decision was taken to include MOOC courses from NPTEL/SWYAM which are not part of the curriculum.

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

SNo.	Particulars
1	BoS Members list
2	Proceedings of the BoS Meeting Agenda 1-6
3	Scheme and Syllabus of 2020 Batch 7th - 8th semester
4	Scheme and Syllabus of 2021 Batch 5th - 8th semester
5	Scheme of 2022 Batch 3rd - 8th semester
6	Syllabus of 2022 Batch 3rd - 4th semester
7	Scheme and Syllabus of 2023 Batch 1st - 2nd semester
8	Feedback Analysis on the curriculum of the Academic year 2022-2023



CHAIRPERSON

Dept of CSE (Data Science)

School of Engineering

Dayananda Sagar University

Signature of Chairperson _____ with Date

Devarakaggalahalli, Kanakapura Road

Ramanagara District - 562112

Karnataka SG

Professor & Chairperson

Department of CSE (Data Science)

SOE, Dayananda Sagar University