SARDAR PATEL INSTITUTE OF TECHNOLOGY

(Autonomous Institute Affiliated to University of Mumbai)

Munshi Nagar, Andheri (W), Mumbai – 400 058.

MINUTES OF MEETING

Meeting Name	Board of Studies meeting for Scheme and Syllabus Discussion of B. Tech (IT), B.Tech(CE) and B.Tech(CSE)		
Date of Meeting	13/08/2021	Time	10.00AM
Minutes Prepared By	Prof. Jignesh Sisodia and Prof. Soni B. Bhambar	Location	Online Google Meeting - meet.google.com/vve-vyxh-aog

Meeting Agenda

To discuss the program structure and curriculum of:

1) B.TechComputer Engineering (UG)

2) B. Tech Information Technology (UG)

3) B.Tech Computer Science and Engineering with Artificial Intelligence and Machine Learning Specialization(UG)

4) B.Tech Computer Science and Engineering with Data Science Specialization(UG)

Present Members:

1. Dr.Supratim Biswas	16. Dr. Prasenjit Bhavathankar	31. Prof. Jignesh Sisodia
2. Dr. Padmaja Joshi	17. Dr. Rajendra Sutar	32. Prof. Jyoti Ramteke
3. Dr. Leena Ragha	18. Dr. Dhananjay Kalbande	33. Prof. Nataasha Raul
4. Dr. M. Vijayalaxmi	19. Dr. Sudhir Dhage	34. Prof. Reeta Koshy
5. Mr. Tushar Bansal	20. Dr. Pooja Raundale	35. Prof. Sunil Ghane
6. Mr. Sumeet Savla	21. Dr.PreetiVinayakray	36. Prof. Soni Bhambar
7. Dr. S. R. Devane	22. Prof. Anand Godbole	37. Prof. Abhijeet Salunke
8. Dr. Lalit Singh	23. Prof. Surekha Dholay	38. Ms. Namrata Bhorade
9. Dr. Subhash Shinde	24. Prof. Kiran Gawande	39. Ms. Nikita Chitre
10. Dr. Leena Ragha	25. Prof. Kailas Devadkar	40. Mr. Harsh Sandesara
11. Dr. Parikshit Mahalle	26. Prof. SwapnaliKurhade	41. Mr. Om Shah
12. Dr. R. R. Sedamkar	27. Prof. Renuka Pawar	42. Mr. Meet Dave
13. Mr. Amit Parashar	28. Prof. Rupali Sawant	43. Mr. Sagar Badlani
14. Mr. Siddhant Dalvi	29. Prof. Sheetal Chaudhari	44. Ms. Swathy Nair
15. Dr. Anant V. Nimkar	30. Prof. Varsha Hole	

Discussion

Following are the minutes of the Board of Studies meeting conducted for **B. Tech (IT) and B.Tech (CE)** Syllabus Revision w.e.f. 2020-21 and B. Tech (CSE) with AIML and Data Science Specialization Scheme w.e.f. 2021-22.

Inauguration

1. Prof. SwapnaliKurhade introduced panel membersfor Computer and IT Board of Studies.

UG Curriculum Scheme

1. Dr. Rajendra Sutar (Dean of Academics) presented the Scheme for UG Curriculum with Salient features of Syllabus Revision 2020.

2. Heinformed that UG programB.Tech (IT)is merged with B.Tech (CE) with a total intake of 120 from the academic year 2021-22.

3. He also announced that two new programs B.Tech CSE (AIML) and B.Tech CSE(Data Science) with intake of 60 each is starting fromthe academic year 2021-22.

Dr.Supratim Biswas

1. Dr.Supratim Biswas appreciated the flexible and comprehensive Curriculum which is catered to various groups of students.

2. He suggestedto monitor and take feedback of the proposed flexible and comprehensive curriculum at the end of every semester from students and can be shared in the BoS meeting.

3. Dr.Sutar replied of opting for online MOOC(NPTEL) courses and combining classrooms to assess

the balance of the faculty load with the new scheme,
4. Dr.Supratim Biswas asked to ensure the quality of MOOC courses to be opted by the students. Dr.Sutar informed that the available MOOC courses are reviewed at the beginning of every semester and information is disseminated to the students.
5. He raised the concern aboutexecution of multiple PE courses in the proposed curriculumand suggested that the proper student faculty ratio should be maintained.

Dr. Padmaja Joshi
1. Dr. Padmaja Joshi appreciated the Curriculum Structure with salient features like Internship, Open Electives and Program Electives.
2. Learning through Industry Projects should be equivalent and mapped to the theory courses.

Dr. M. Vijayalakshmi
1. Dr. M. Vijayalakshmi agreed with the concerned raised by Dr.Supratim Biswas about quality checksfor MOOC courses.

Dr. Parikshit Mahalle
1. Dr. Parikshit Mahalle suggested to design a common guideline for Internship and to be shared with students.
2. Dr.Sutar informed about the availability of Internship manual along which covers guidelines for evaluation.

Dr. Lalit Singh
1. Dr. Lalit Singhasked for the kind of support that the Institute is providing to students for Internship and research projects to which Dr.Sutar replied that the Institute has a dedicated TPO cell to assist students for Internship.
2. He also asked about the evaluation criteria for Internship to which Dr.Sutar replied that students are evaluated by Industry and Institute mentors twice a semester.
3. Dr. Lalit Singhsuggested a portal to be available to external mentors for monthly progress report of the students.Dr.Kalbande informed about the procurement of ERP for the evaluation of Industry Internship.
4. Dr. Lalit Singh also suggested that faculties to apply for fetching research grants that can be allocated as aresearch project for intense research internship (option B)in eighth semester.

Dr. Subhash Shinde
1. Dr. Subhash Shindeasked about the Honors Program and mapping of stars to credits. Dr.Sutar explained awarding of stars at different level and minimum of 12 stars required to earn an Honors.
2. He suggested Capstone projects to be added to award Honors.

B.Tech Computer - Sem V to VIII Scheme Presentation
1. Dr. Anant V. Nimkar presented structure of B.Tech CE and IT and informed the process of designing a detailed syllabus of the course.

B.Tech CSE(AIML) Scheme Presentation
1. Dr. Anant V. Nimkar presented structure of B.Tech CSE (AIML) and informed the common scheme for B.Tech CSE (AIML and DS) upto Semester-IV.

Dr. M. Vijayalakshmi
1. Dr. M. Vijayalakshmi suggested core courses in AIML and Data Science should be made compulsory for students going for Internship.
2. Particularly, Fundamentals of Data Science should be a core subject for both category-1 and category-2 students.

3. Dr.Sutar informed that theFundamentals of Data Science can be covered in MOOC coursesunder Program/Open Elective.

Dr. Parikshit Mahalle
1. Dr. Parikshit Mahalle suggested to introduce a course on Data Visualization at earlier semester.

Dr. Lalit Singh
1. Dr. Lalit Singhsuggested to add advanced mathematical/statistical courses which covers Linear Regression, Logistic Regression, Data Analytics, Hypothesis Testing, Reinforcement Learning and Data Visualization.
2. Dr. Anant Nimkar informed that the Probability and Statistics course is in semester-III and covers all the mentioned topics.

B.Tech IT - Sem V to VIII Scheme Presentation
1. Dr. Prasenjit Bhavathankar presented the scheme and syllabus of B.Tech IT(Sem-V to Sem-VIII).

Dr. R. R. Sedamkar
1. Dr. R. R. Sedamkarenquired about the credits of individual courses and the proposed vertical structure.
2. He asked whether a student can switch from one track to another.
3. Dr. P. Bhavathankar informed that students have flexibility to switch from one track to another and can opt any course from the general track.
4. Dr. R. R. Sedamkar suggested to identify prerequisite core courses to be made compulsory.
5. Dr. P. Bhavathankar informed that semester-I to V covers the prerequisite courses required for Program Elective courses.

Mr. Sumeet Savla
1. Mr. Sumeet Savlacommented that "Both CS and IT looks great and are very well balanced, do continue the industry internship and let us know practical experience after implementation of the entire system. Kudos to entire team".

Dr. M. Vijayalakshmi
1. Dr. M. Vijayalakshmi informed Statistics and Mathematics is required for major courses in the domain of AIML and Data Science.
2. Dr. P. Bhavathankar informed that the Probability and Statistics course is in semester-IIIand Mathematics courses in semester-I and II.

B.Tech CSE(DS) Scheme Presentation
1. Dr. Prasenjit Bhavathankarpresented structure of B.Tech CSE (DS) and informed the common scheme for B.Tech CSE (DS) upto Semester-IV.
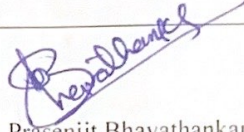
Dr. R. R. Sedamkar
1. Dr. R. R. Sedamkar suggested to create identity for emerging courses and to include fundamental courses like Big data Analytics, Fundamentals of Data Science, Probability and Statistics in third and fourth semester.
2. Dr. Anant Nimkar informed that a survey of Curriculum for B.Tech CSE (AIML and DS) was conducted and it is observed that there are two approaches of Curriculum;where the first approach covers the fundamentals of AIML and DS courses from semester-I and the second approach from semester-V. We adopted second approach and made semester-I to IV common for both B.Tech CSE and B.TechCE.

Vote of Thanks
     Vote of Thanks was given by Dr.Preetida Jani

Dr. Anant V. Nimkar
HOD,
Computer Engineering Department

Dr. Prasenjit Bhavathankar
HOD,
Information Technology Department