



DEPARTMENT OF ADVANCED COMPUTER SCIENCE & ENGINEERING

Minutes of Board of Studies Meeting

Date: 18-01-2025

The department of ACSE is conducted a Board of Studies (BoS) meeting to review the B. Tech CSE Data Science program curriculum on 26.12.2024 from 02:30 PM to 04:00PM in blended mode. (Physical meeting: ACSE Department, Room number 602, 6th floor, Nagarjuna Block, VFSTR and virtual meeting link:

<https://us06web.zoom.us/j/86342977090?pwd=P2jW7XgFSJWQ4IEN6fOPRqajI58L4T.1>

Agenda of the BoS Meeting:

1. Review the course structure and contents for the R22 B.Tech CSE-Data Science curriculum, especially the III-II and IV-I semester-offered courses.
2. Review the R22 M.Sc. Data science course structure and contents.
3. Discussion on L-T-P structure change or any credit change courses, if any (Computer Networks, FIP, etc)
4. SWAYAM-NPTEL courses identification and update.
5. Any other points based on the requirements with the permission of the Chair.
6. Discuss the addition of the department electives, open electives, and the fulfillment of prerequisites for the department electives.
7. Formative and summative assessment results
8. Discussion on CO-PO-PSO
9. Fixing the CO-PO-PSO-PEO target values
10. Any other points based on the requirements with the permission of the Chair.

The following members were present either offline or online.

Sl. No	Name of the member	Designation and Address	Role	Mode of presence/ Signature
1	Dr. Venkatesulu Dondeti	Professor & Additional Dean, Department of ACSE, VFSTR Deemed to be University, Contact: +91 98408 50744 Mail: hod_acse@vignan.ac.in	-	
2	Prof. C. Raghavendra Rao	Retired Professor SCIS, University of Hyderabad, Hyderabad, Telangana, Email: crrcs@uohyd.ac.in Mobile: +91 92474 65125	External member (Academia)	Online
3	Dr. Y Raghur Reddy	Associate Professor, IIIT Hyderabad Mobile: +91 9849371681 Email: raghu.reddy@iiit.ac.in	External member (Academia)	Online



4	Dr. Vinay Kumar N	AIML Delivery Lead, SC.AI, Standard Chartered Global Business Services, Bangalore-66. Mobile: 9632454934 Email: vinaykumar.natraj@gmail.com	Invited member (Research)	Online
5	Mr. Ramanamurthy Saripalli	Director of Vardaan Data Sciences Pvt. Ltd., Hyderabad. Mobile: +91 98859 70645 Mail: ramana.sv@vardaanglobal.com	Invited member (Industry)	Online
6	Dr. Nirupama Bhat	Professor, Department of ACSE, VFSTR Deemed to be University. Contact: +91 9908823834 Mail: drnmb_acse@vignan.ac.in	Internal member	
7	Dr. D. Radha Rani	Associate Professor & Head, Department of ACSE, VFSTR Deemed to be University. Contact: +91 9676354404 Mail: drdrr_acse@vignan.ac.in	Chair person	
8	Dr. Jyotsna Devi Bodapati	Associate Professor, Department of ACSE, VFSTR Deemed to be University, Contact: +91 7358209553 Mail: bjd_acse@vignan.ac.in	Internal member (School nominee)	
9	Dr. Britto Manoj	Assistant Professor, Department of ACSE, VFSTR Deemed to be University Contact: +91 9550367172 Mail: drbr_acse@vignan.ac.in	Internal member	
10	Dr. Sivadi Balakrishna	Associate Professor, Department of ACSE, VFSTR Deemed to be University Contact: +91 9441540580 Mail: drsbk_acse@vignan.ac.in	Member Secretary	

Chairperson Dr. Deevi Radha Rani, Associate Professor and Head, Department of ACSE, VFSTR initiated the meeting by welcoming and introducing the external members, invitees to the internal members. Secretary Dr. Sivadi Balakrishna, Associate Professor, Department of ACSE, VFSTR presented program curriculum along with course content to the board.

The following points were discussed in the BoS meeting:

1. Reviewed R22 B.Tech CSE-Data Science curriculum
2. Reviewed the R22 M.Sc. Data science course structure and contents.
3. Discussed on revision of Course contents



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4. Discussed on L-T- P-C structure of various courses. (Computer Networks, FIP, CNS etc)
5. SWAYAM-NPTEL course identification for the department, open electives, and honors.
6. Presented Formative and summative assessment results
7. Discussed on CO-PO-PSO
8. CO-PO-PSO-PEO target values finalization

The following resolutions are incorporated after the discussion:

1. Dr. Sivadi Balakrishna, secretary, B. Tech CSE- Data Science program, initiated the meeting by welcoming and introducing the board members and presenting the program curriculum along with course content to the board. The External Board members expressed their opinion that the overall course structure of the program and the content of the courses are well-designed and sufficient for the program at under graduate level They provided a few suggestions to improve the quality of the existing curriculum further.
2. The internal BOS members proposed to change L-T-P-C structure for "Computer Networks (22CS204)" course in III-II. Because, the data science specialization courses such as Deep Learning, and Big Data Analytics have been given more weightage. All the external BOS members have agreed to our proposal to change the L-T-P-C structure of the Computer Networks (22CS204) course from 3-0-2-4 to 2-0-2-3. The internal BOS also proposed to offer Deep Learning (22AM301), and Big Data Analytics (22AM406) as core courses in III-II. The board accepted the recommendation and the changes were incorporated. A different Course code needs to be given by the Dean AAA office for the Computer Networks course. This change is going to be effective from A. Y. 2024-25.
3. The internal BOS members proposed to offer Fundamentals of Image Processing (22AM304) course as a department elective course in III-II. All the external BOS members have agreed to our proposal to offer Fundamentals of Image Processing (22AM304) course as a department elective as it is very much essential for image data analysis in various applications for data science students. The board accepted the recommendation and the changes were incorporated. A different Course code need to be given by AAA office for this course. This change is going to be effective from A.Y. 2024-25.
4. Prof CR Rao and Dr. Raghu Reddy suggested to offer department elective courses more specific to Data science specialization such as Data Privacy, Data security, Data ethics, and Information Retrieval, etc. The board members accepted the suggestion and the changes were incorporated.



- During the Discussion, the external BOS member Prof. Ramana Murthy suggested encouraging students to participate in Data Science Competitions. Also, suggested to conduct university-level competitions. He also enquired about projects being conducted/offered from II-II onwards or not. The internal BOS members clarified that the projects are offered from II-II onwards.
- The external BOS member Dr. Vinay enquired about Internship programs offered or not for Data Science students as these programs are essential to fill the gap between industry and academics. The internal BOS members clarified that the Internship programs are offered to data science students.
- The board has approved to offer the following courses in IV-I such as "Cloud Computing and Analytics (22DS401)", "Text Mining (22AM402)", and "Cryptography and Network Security (22CS401)". These courses are essential for Data Science graduates and provide foundational knowledge. The internal BOS members proposed to change the L-T-P-C structure for Cryptography and Network Security (22CS401) course in IV-I. The data science specialized courses such as "Cloud Computing and Analytics", and "Text Mining (22AM402)" are very much useful to the data science students that's why given more preference to these courses. All the external BOS members have agreed to our proposal to change the L-T-P-C structure of the Cryptography and Network Security (22CS401) course from 3-0-2-4 to 2-0-2-3. The board accepted the recommendation and the changes were incorporated. A different Course code needs to be given by the Dean AAA office for this course. These changes are expected to take effect from the next academic year i.e 2025-26.
- After thorough discussions, the board suggested to consider the following SWAYAM-NPTEL courses.

S.No	Course Name
1	Introduction to Large Language Models (LLMs)
2	Learning Analytics tools
3	Medical Image Analysis
4	Algorithms in Computational Biology and Sequence Analysis
5	Responsible & Safe AI Systems

- The board approved to consider the Optimization Techniques course as an Honors in the II-II semester and Intelligent Application Development (22AM961) as an Honors in III-II. The courses are important to solving business and data analysis problems. The board also considered "Data Analytics using R programming" as minor course.
- The internal board presented the M.Sc. Data science course structure and contents. The external BOS members approved the course structure for I-II semester as tease.



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11. At the end there was a discussion on Course Outcomes (CO), Program Outcomes (PO), Program Specific Outcomes (PSO), Formative Assessment results, Summative Assessment results, and the target values for CO-PO-PSO-PEO.

Based on the suggestions given by the members, the Chairperson of BoS said that these fruitful suggestions would be considered in the curriculum and syllabi of the regulation R22.

There being no further points for discussion, the Chairperson thanked all the external, and internal, invited members and announced that the meeting was adjourned.

Member Secretary

Chairperson