DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Devarakaggalahalli, Harohalli, Kanakapura Road, Bengaluru South District, Karnataka – 562 112

Department of CSE (Artificial Intelligence and Data Science)

Minutes of Meeting

Minutes of Meeting of the Board of Studies was held on 11th June 2025.

Agenda

S. No	Particulars
1.	Deliberation and discussion on the scheme and syllabus for the batches 2025-2029 [1st & 2nd semester] and 2024-2028 [3rd – 8th semester].
2.	Overall suggestions and directions, concluding remarks

Action Items

S. No	Particulars
1.	Curriculum to be updated based on the approved suggestions.
2.	Detailed course content and syllabi to be prepared and circulated for review.

Presentation

S.No	Particulars
1.	The proposed curriculum structure was presented for the batches 2025-2029 [1st & 2nd semester] and 2024-2028 [3rd – 8th semester].
2.	Highlighted the major changes and additions proposed in line with industry trends and academic relevance.

Discussions on Agenda

S. No	Discussions Brief
1.	**Deliberation and discussion on the scheme and syllabus for the batches 2025-2029 [1st & 2nd semester] and 2024-2028 [3rd – 8th semester]:** The BoS members were informed that the scheme 2024-2025, 2025-26 will be implemented for the 2024-2028, 2025-29 batches of students.

During the meeting, a comprehensive discussion was held on the courses across all 8 semesters. The following suggestions and changes were proposed by the expert members.

Semester-wise Curriculum Review:

Each semester's course structure was reviewed in detail, and alignment with industry trends and academic standards was discussed.

Inclusion of Emerging Topics:

Experts recommended introducing or strengthening content related to:

- Artificial Intelligence
- Data Science

Project-Based Learning Enhancements:

Greater emphasis on mini-projects, case studies, and industry collaboration from early semesters was suggested.

Skill-Enhancement Courses:

It was advised to add courses that promote skills in Artificial Intelligence and Data Science.

Course Renaming and Reorganization:

A few course titles and contents were recommended for revision to better reflect current technological advancements and industry requirements.

The following points were discussed in the meeting:

The experts proposed merging "Theory of Computation" and "Compiler Design" into a single course, considering overlapping concepts.

It was decided that the course "Design and Analysis of Algorithms" should carry 4 credits and be accompanied by a lab component to reinforce practical understanding.

The experts suggested introducing "Business Intelligence" as a 2-credit Skill Enhancement Course (SEC), the course could include tools like Power BI and Tableau.

The committee decided that Artificial Intelligence and Machine Learning should be treated as separate core courses. If Business Intelligence is categorized under SEC, Machine Learning can replace it with the core course structure.

The experts emphasized the importance of including concepts like Agile methodology, DevOps practices, and system design principles in the Software Engineering course. And the concepts and relevant courses are included in the elective bucket.

	The experts highlighted to include "Information Security" as the core course in the current structure due to its critical importance in handling data securely. The experts suggested replacing the "Python for Data Science" course with a broader course titled "Data Analytics" to better align with foundational concepts. The experts proposed introducing "Data Engineering" as a core course, covering topics such as data ingestion, transformation, etc. The experts recommended renaming the professional elective domain "Application of AI" to "AI Cluster" to better reflect the diversity of AI-related electives. The experts proposed changing the title of the MATLAB course to "MATLAB for Data Science" to better convey its relevance. It was agreed that certification from platforms like Microsoft Power BI or Tableau for the Business Intelligence course could be used as part of Continuous Internal Evaluation (CIE). The committee agreed to merge Reinforcement Learning into a Deep Learning course while treating "Agent-based AI" as a separate course. The experts proposed that in Module 5 of "Data Mining and Predictive Learning" to discuss real-world use cases. The experts suggested executing Database Management System lab exercises on Google Cloud to enhance practical exposure. It was agreed that "Database Management Systems" will be taught in the 3rd semester instead of "Computer Organization and Architecture" to improve sequencing and prerequisite alignment.
2.	**Overall suggestions and directions, Concluding remarks** Overall Suggestions and Directions 1. The Board appreciated the efforts made in designing a curriculum that blends Artificial Intelligence and Data Science with forward-looking, advanced approaches. 2. Members emphasized: • Strengthening practical and project-based learning across semesters. • Aligning course outcomes with industry needs, emerging technologies, and various domain-based innovations. • Ensuring the curriculum fosters both technical proficiency and ethical awareness in the AI domain.

	Concluding Remarks 1. The BoS members expressed satisfaction with the direction and quality of the proposed scheme 2024-2025, 2025-26 for the 2024-2028, 2025-29 batches. 2. All suggestions—including course renaming, content revisions, credit restructuring, and curriculum enrichment—is incorporated into the final draft of the scheme. 3. The meeting concluded with appreciation for the active participation and valuable insights shared by all BoS members, contributing significantly to the academic excellence and relevance of the CSE (AI & DS) program.

13/06/2025

Signature of Chairman of BOS with Date

Dr Poongodi T