



Annasaheb Dange College of Engineering and Technology, Ashta
(An Empowered Autonomous Institute affiliated to Shivaji University, Kolhapur)
Department of Artificial Intelligence and Data Science
(NAAC A++ Grade Accredited Institute, ISO 9001: 2015 Certified Institute)

NOTICE

Date: 1/1/2025

All the esteemed members of the **Board of Studies (BoS)** of the Department of Artificial Intelligence & Data Science are hereby informed that the 5th **BoS Meeting** has been scheduled as per the details below:

- **Date:** 06/1/2025
- **Time:** 2.00PM
- **Venue:** AI & DS Board Room

Agenda of the Meeting:

1. To place before the BoS, the report about the action taken on the decisions of its meeting held on 22 June 2024.
2. To confirm the minutes of the meeting of BoS held on 22 June 2024.
3. To discuss and approve the Curriculum Contents of Final Year B.Tech Courses under Revision-1 Curriculum (NEP Compliant Structure)
4. To discuss on ISE Activities and review Pedagogical Initiatives.
5. To discuss the progress of Honors and Minor courses.
6. To discuss the Open Elective Courses List for Third Year (R1) and Final Year B.Tech (R0).
7. To discuss the students' performance and placement.
8. To discuss our commitment to making India a Vishwa Guru in AI.
9. Any other item with the permission of the chair.

All the members are requested to attend the meeting as per the schedule and contribute their valuable suggestions during the deliberations.

Dr. Asma Shaikh
Chairman, Board of Studies(AI&DS)



Sant Dnyaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering and Technology, Ashta
(An Empowered Autonomous Institute)

Department of Artificial Intelligence and Data Science



Changing Lives..., Enriching
Future...

Date: 03-01-2025

5th BoS Meeting AY: 2024-25

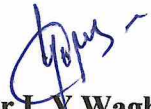
Date: 06-01-2025. Monday @ 2.00 pm.

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Dr. A. A. Shaikh
H.O.D (AI & DS) – BoS Chairman


Dr. Gopinath S
Dean Academics


Dr. L. Y. Waghmode
Director



07/01/2025

MINUTES OF THE MEETING

Fifth Board of Studies, DATE: 06-01-2025, AT 2.00PM

VENUE: Hybrid Mode in AI&DS Department (Board Room)

The 5th meeting of Board of Studies (BoS) of Undergraduate Programme, B.Tech., at Department of Artificial Intelligence and Data Science, ADCET, Ashta was held on 06-01-2025, at 2.30 PM in the AI&DS Department in hybrid mode using Google Meet Platform. **Dr. Asma Shaikh H.O.D AI&DS** chaired the Meeting.

The following is the list of BoS Members:

Sr. No.	Name	Position
1.	Dr. Asma Shaikh. Head and Chairman BoS, Department of Artificial Intelligence and Data Science, ADCET, Ashta, Sangli	Chairperson
2.	Dr.S.S. Patil Professor and H.O.D ,CSE(AI and ML),RIT Islampur	VC Nominee
3.	Dr. Geetanjali Kale Head and Associate Professor, Department of Computer Engineering, PICT Pune	Member(Academic Expert)
4.	Dr. Rupali Chopade Associate Professor,DES Pune University,Pune	Member(Academic Expert)
5.	Dr. Sachin Pawar Scientist at TCS Research,Pune	Member(Experts for Special Course)
6.	Mr. Nitin Atak Senior Manager at Dassault Systems, Pune	Member(Experts for Special Course)
7.	Mr. Meghraj Nalage Data and AI Leader at Philips,Pune	Member(Industry Representative)
8.	Mr. Akshay Gane Associate GCP Data and AIML Engineer at Deutsche Bank	Member(Alumni Representative)
9.	Mrs. Amruta Awati Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	BOS-Secretary
10.	All Faculty members of the department	Members



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- Dr. S.S.Patil, Mr.Nitin Atak attended the meeting offline. Dr.Geetanjali Kale, Dr. Rupali Chopade,Dr.Sachin Pawar,Mr.Meghraj Nalage,Mr.Akshay Gane attended the meeting in online mode.
- **Mrs.Amruta Awati** extended a warm welcome to all the members in the meeting .
- **Dr.Asma Shaikh** introduced agenda of meeting to all the members of BoS.

Agenda of BoS Meeting	
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5	To discuss the progress of Honors and Minor courses.
6	To discuss the Open Elective Courses List for Third Year (R1) and Final Year B.Tech (R0).
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8	To discuss our commitment to making India a Vishwa Guru in AI.
9	Any other item with the permission of the chair.

- **Mrs. Amruta Awati** presented the Welcome Address to all the members in BoS and presented last meeting minutes and action taken on the suggestions.
- **Dr.Asma Shaikh** presented vote of thanks to end up the meeting.



Agenda of the meeting and resolutions are as follows:

- **Agenda Item No.1: To place before the BoS, the report about the action taken on the decisions of its meeting held on 22 June 2024.**

Mrs. Amruta Awati conveyed that the changes suggested by the honorary members of the BoS panel have been incorporated into the syllabus design.

- **Agenda Item No.2: To confirm the minutes of the meeting of BoS held on 22 June 2024.**

The minutes of meeting for BoS held on 22/06/2024 were confirmed by all members

- **Agenda Item No.3: To discuss and approve the Curriculum Contents of Final Year B.Tech Courses under Revision-1 Curriculum (NEP Compliant Structure)**

Dr. Asma Shaikh presented the proposed curriculum structure of Final Year B.Tech. The course coordinator presented the curriculum of respective course. The suggestions given by BoS members are listed as given below

A. Course: Generative AI

- Mr.Akshay Gane suggested to add vector compliant auto encoder, cloud GenAI, image masking,
- Mr.Nitin Atak suggested to add web or cloud deployment in practical
- Mr.Akshay Gane suggested in theory to add RAG application

B. Course: Natural Language Processing

- Dr.Sachin Pawar suggested to add dependency parsing in syllabus
- Dr.Sachin Patil suggested to make unit 3rd and 5th units lighter
- Dr.Sachin Patil suggested experiment is inline with micro project

C. Course: Project Management and Finance

- Dr.Sachin Patil suggested to consider case study in ISE component

D. Professional Elective IV-Data Warehousing & Business Intelligence

- Mr Meghraj Nalage suggested to add practical in structure instead of Tutorials
- Dr.Sachin Patil and Dr.Rupali Chopade suggested to reduce the syllabus as per the number of contact hours



- Dr. Sachin Patil suggested to align the tutorial list properly.
- Mr. Nitin Atak suggested to instead of keeping 12 tutorials, make the less number of tutorials that should help the student to grab the all concepts.

E. Professional Elective IV-Optimization Techniques

- Dr. Rupali Chopade, Dr. Suhel Sayyaad suggested to check content repetition
- Mr. Meghraj Nalage suggested to add Simulation
- Mr. Nitin Atak suggested to check feasibility of to cover in allocated hours.
- Dr. Suhel Sayyaad suggested to remove Fuzzy Set and other part, if covered previously in earlier semester
- Dr. Sachin Patil suggested to add 4 to 5 tutorials instead of 12 tutorials

F. Professional Elective IV-Genetic Algorithms and Quantum Computing

- Dr. Suhel Sayyaad suggested to have one course, do not combine genetic algorithm and quantum computing. Syllabus Content is very high
- Mr. Meghraj Nalage suggested genetic and optimization contents are overlapping
- BoS members are suggested to make different course for genetic algorithm and quantum computing. optimization syllabus contains repetitive syllabus, so suggested to make course quantum computing separately.

G. Professional Elective IV-AI in health Care

- Dr. Sachin Patil, Dr. Geetanjali Kale suggested to reduce Contents
- Dr. Geetanjali Kale suggested give the other options AI in agriculture, Robotics, Industry 4.0 etc.
- Mr. Nitin Atak suggested to teach this subject industry point of view.

H. Big Data Analytics

- Dr. Geetanjali Kale suggested to add other relevant topics, instead of R in unit 6.

I. Project

- There is No comments from experts, the curriculum content was discussed and approved

J. Minor Project

- In course outcome, instead of defend use the Justify keyword for CO4

After implementing the changes, the revised copy of the B.Tech AI & DS Engineering curriculum (Revision-1), aligned with the NEP-compliant guidelines, will be submitted to the BoS for approval.



➤ **Agenda Item No 4: To discuss on ISE Activities and review Pedagogical Initiatives.**

Mrs. Amruta Awati presented the ISE activities and pedagogical initiatives undertaken by the department. Dr. S.S. Patil suggested incorporating an NPTEL certification course as an ISE activity for one class and assigning greater weightage to this activity.

➤ **Agenda Item No 5: To discuss the progress of Honors and Minor courses.**

Dr. Krishna Kumar presented progress of Honors and Minor courses.

Department Provide Courses for Honors, students need to undergo following courses

1. Cloud Computing - NPTEL
2. AWS Cloud Fundamentals (AWS Cloud Practitioner)
3. Cloud Computing And Distributed System
4. AWS Cloud Architect
5. Project Work

Department Provide Specialization Minor, students need to undergo following courses

1. Machine Learning
2. Deep Learning
3. Deep Learning For Natural Language Processing
4. Data Analytics
5. Applied Machine Learning

Statistics for progress of Honor and Minor courses are as follows

Sr. No	Courses	No of Students Opted 2023-24	No of Students Cleared 2023-24	No of Students Opted 20 24-25
1	Courses for Double Minor (Specialization Minor) 12 weeks NPTEL Course"Machine Learning"	04	-	7
2	Honors 12 weeks NPTEL Course"Cloud Computing"	25	22	40
3	Courses for Honors with Research	02	-	0



➤ **Agenda Item No 6: To discuss the Open Elective Courses List for Third Year (R1) and Final Year B.Tech (R0).**

Mrs. Amruta Awati presented Open Elective Courses List for Third Year (R1) and Final Year B.Tech (R0).

Open Elective Courses list for Third Year(TY AI&DS).NPTEL courses floated as follows

S.No	Course Name	Platform	Credits	Semester
1.	Principle of Management	NPTEL	3	6th
2.	Leadership and Team Effectiveness	NPTEL	3	6th

Open Elective and Professional Elective course list for Final Year B.Tech(R0) students

S.No	Course Code	Course Name	Credits	Semester
1.	0ADOE410	Open Elective IV- Education for Sustainable Development	3	8th
2.	0ADPE411	Professional Elective V -Programming in Java	3	8th
3	0ADPE412	Professional Elective V-Introduction to Large Language Models(LLMs)	3	8th
4	0ADPE413	Professional Elective V-Block Chain and its Applications	3	8th
5	0ADPE414	Professional Elective V- KPIT NOVA Java Course (Industrial related course)	3	8th



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- **Agenda Item No 7: To discuss the students' performance and placement.**
Prof V.N. Honmane presented details of students performance in placement.
- **Agenda Item No 8: To discuss our commitment to making India a Vishwa Guru in AI.**
All faculty members of AI & DS department, under the guidance of Asma Mam, solemnly pledge our commitment to the pursuit of excellence in Artificial Intelligence (AI) education and research.
- **Agenda Item No 9: Any other item with the permission of the chair.**
There is no any points to discuss. The BoS Members satisfied by presentation.

Mrs. Amruta P. Awati
Member Secretary
Board of Studies (BoS)



Dr. Asma Shaikh
Chairman
Board of Studies (BoS)

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Department of Artificial Intelligence and Data Science

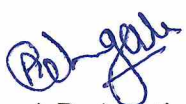
Annexure-I

Action Taken on Suggestions received in BoS meeting held on 06/01/2025

Sr. No	Suggestions	Action Taken
1	Course: Generative AI 1. Mr. Akshay Gane suggested to add vector compliant autoencoder, cloud GenAI, image masking, 2. Mr. Nitin Atak suggested to add web or cloud deployment in practical 3. Mr. Akshay Gane suggested in theory to add RAG application	1. Updated the suggested content (VCA, Cloud GenAI and Image Masking) by Mr. Akshay Gane. 2. Updated the syllabus with Cloud or Web Deployment experiments 3. Updated the syllabus with RAG applications in Unit 5.
2	Course: Natural Language Processing 1. Dr.Sachin Pawar suggested to add dependency parsing in syllabus 2. Dr.Sachin Patil suggested to make unit 3rd and 5th units lighter 3. Dr.Sachin Patil suggested experiment is inline with micro project	1.As per Dr.Sachin Pawar suggested to add dependency parsing in syllabus 2. As per Dr.Sachin Patil suggestion content of unit 3rd and 5th is reduced.
3	Course: Project Management and Finance 1. Dr.Sachin Patil suggested to consider case study in ISE component	1. As per suggestion, we will add case study as one ISE component.
4	Course: Data Warehousing & Business Intelligence 1. Mr Meghraj Nalage suggested to add practical in structure instead of Tutorials 2. Dr.Sachin Patil and Dr.Rupali Chopade suggested to reduce the syllabus as per the number of contact hours 3. Dr.Sachin Patil suggested to align the tutorial list properly.	1. As per Dr.Sachin Patil and Dr.Rupali Chopade suggestion reduced the syllabus based on number of contact hours 2. As per Dr.Sachin Patil suggestion aligned the tutorial list from basic to advanced. 2. As per Mr.Nitin Atak suggestion instead of 12 tutorials, 4 tutorials added that should help the student to grab all concepts

4	4. Mr.Nitin Atak suggested to instead of keeping 12 tutorials,make the less number of tutorials that should help the student to grab the all concepts.	
5	Course: Professional Elective IV-Optimization Techniques 1. Dr.Rupali Chopade,Dr.Suhel Sayyaad suggested to check content repetition 2. Mr.Meghraj Nalage suggested to add Simulation 3. Mr.Nitin Atak suggested to check feasibility of to cover in allocated hours. 4. Dr.Suhel Sayyaad suggested to remove Fuzzy Set and other part,if covered previously in earlier semester 5. Dr.Sachin Patil suggested to add 4 to 5 tutorials instead of 12 tutorials	1. Based on the suggestions of all expert members, it was concluded in the discussion that the content in some subjects is repetitive. Therefore, it has been decided to remove the Optimization Techniques subject and split the Genetic and Quantum subject into two parts, offering them as separate electives.
6	Course: Professional Elective IV-Genetic Algorithms and Quantum Computing 1. Dr.Suhel Sayyad suggested to have one course, do not combine genetic algorithm and quantum computing. Syllabus Content is very high 2. Mr.Meghraj Nalage suggested genetic and optimization contents are overlapping 3. BoS members are suggested to make different course for genetic algorithm and quantum computing. optimization syllabus contains repetative syllabus ,so suggested to make course quantum computing separately.	Separation of Courses ● Two distinct courses have been proposed: ○ Course 1: Genetic Algorithm and Optimization ○ Course 2: Quantum Computing ● Each course will have a focused syllabus tailored to its respective domain. Revision of Optimization Syllabus ● The syllabus for Genetic Algorithm and Optimization has been thoroughly reviewed.

		● Overlapping and repetitive content has been removed to ensure clarity and non-redundancy. Development of Quantum Computing Course ● A dedicated course on Quantum Computing has been designed. ● It includes fundamental concepts, algorithms, and applications in the field.
7	Course: Professional Elective IV-AI in Health Care 1. Dr. Sachin Patil ,Dr. Geetanjali Kale suggested to reduce Contents 2. Dr. Geetanjali Kale suggested give the other options AI in agriculture, Robotics, Industry 4.0 etc. 3. Mr.Nitin Atak suggested to teach this subject industry point of view.	1. Based on these suggestions, the content was reduced 2. As per discussion Industry 4.0 points were added in chapter 2 and 3 related to healthcare applications 3. As per Dr. Geetanjali Kale's suggestion, options like Agriculture and Robotics were proposed. However, since we already have subjects such as AI in Robotics and Precision Agriculture, these options will not be included.
8	Course: Big Data Analytics 1. Dr. Geetanjali Kale suggested to add other relevant topics, instead of R in unit 6.	As per the given suggestion, I have completed the syllabus of Unit 6 using Py-Spark instead of R
9	Course: Minor Project 1. Dr Sachin Patil suggested, In course outcome, instead of defend use the Justify keyword for CO4	Based on suggestion, the keyword "defend" in CO4 has been replaced with "justify" .



Mrs. A.P. Awati

Member Secretary

Board of Studies (BoS)



Dr. Asma Shaikh

Chairman

Board of Studies(BoS)