



Annasaheb Dange College of Engineering and Technology, Ashta

(An Empowered Autonomous Institute affiliated to Shivaji University, Kolhapur)

Department of Artificial Intelligence and Data Science

NOTICE

Date: 17/6/2024

All the esteemed members of the **Board of Studies (BoS)** of the Department of Artificial Intelligence & Data Science are hereby informed that the 4th **BoS Meeting** has been scheduled as per the details below:

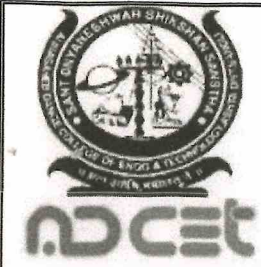
- **Date:** 22/6/2024
- **Time:** 10.30AM
- **Venue:** AI & DS Board Room

Agenda of the Meeting:

1. To confirm the Third BoS meeting minutes and action taken on the suggestions
2. To discuss and approve the Curriculum of B. Tech – AI&DS Engineering –Revision -0
3. To discuss and approve the Curriculum of TY B. Tech – AI&DS Engineering as per the NEP Compliant curriculum Revision-1
4. To discuss Students' performance in the previous semester
5. To discuss methodologies for innovative teaching and evaluation techniques

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

Dr. Amolkumar Jadhav
Chairman, Board of Studies(AI&DS)



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta
Department of Artificial Intelligence & Data Science

Agenda for BOS Meeting on 22 June 2024

Agenda Item No.1:	To inform the BoS, about the action taken on the suggestions made by BoS members in last meeting
Agenda Item No.2:	To discuss and approve Curriculum Structure of B. Tech – AI&DS Engineering –Revision zero.
Agenda Item No.3:	To discuss and approve Curriculum Contents of TY B. Tech – AI&DS Engineering as per the NEP Compliant curriculum first Revision of Structure
Agenda Item No.4:	To discuss Students performance on previous semester
Agenda Item No.5:	To discuss methodologies for innovative teaching and evaluation techniques
Agenda Item No 6:	Any other item with the permission of chair

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Mrs. Rama Kaulgud
Member Secretary
Board of Studies (BoS)

Dr. Asma Shaikh
Chairman
Board of Studies(BoS)



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An Autonomous Institute
Department of Artificial Intelligence & Data Science

26/06/2024

MINUTES OF THE MEETING

Fourth Board of Studies

DATE: 22-06-2024, AT 10.30AM

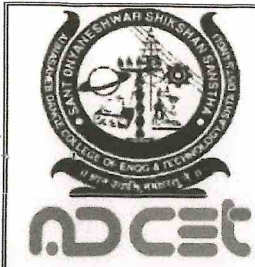
VENUE: Online Mode using in AI&DS Department (Board Room)

The 4th meeting of Board of Studies (BoS) of Undergraduate Programme, B.Tech., at Department of Artificial Intelligence and Data Science, ADCET, Ashta was held on 22-06-2024, at 10.30 AM in the AI&DS Department in online mode using Microsoft Teams Platform.

Dr. Asma Shaikh. HoD 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.D.V.Kodavade. Head and Professor, Department of Computer Science and Engineering, DKTE, Ichalkaranji	Member
3.	Dr. Damodar Reddy Edla. Associate Professor, Dept .of CSE ,NIT, Goa.	Member
4.	Dr. Deepak Garg. Head,CSE,School of Engineering and Applied Sciences, Bennett University	Member
5.	Dr. Sachin Pawar. TataResearch Development and Design Center, Pune	Member
6.	Mr. Akshay Gane. Application Development Senior Analyst, Accenture, Pune	Member
7.	Mrs. Rama Kaulgud Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	BOS-Secretary
8.	Mr.Vikas Honmane, Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	Member
9.	Mrs. Amruta Awati Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	Member



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- Dr.D.V.Kodavade,Dr.Damodar Reddy Edla, Dr. Deepak Garg, Dr.Sachin Pawar, Mr.Akshay Gane, all internal members attended the meeting.
- **Mrs.Rama Kaulgud** extended a warm welcome to all the members in the meeting and introduced agenda of meeting to all the members of BoS

Agenda of BoS Meeting	
1	To confirm the Third BoS meeting minutes and action taken on the suggestions
2	To discuss and approve the Curriculum of B. Tech – AI&DS Engineering – Revision -0
3	To discuss and approve the Curriculum of TY B. Tech – AI&DS Engineering as per the NEP Compliant curriculum Revision-1
4	To discuss Students' performance in the previous semester
5	To discuss methodologies for innovative teaching and evaluation techniques

- **Dr.Asma Shaikh** Presented the Welcome Address for the experts and told last meeting minutes and action taken on the suggestions .
- **Mrs.Priyanka Suryawanshi** presented vote of thanks to end up the meeting.



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Agenda of the meeting and resolutions are as follows:

Agenda ItemNo.1: To confirm the Third BoS meeting minutes and action taken on the suggestions

Resolution- The chairman presented the summary of action taken on the suggestions of BoS in the last meeting.

Agenda ItemNo.2: To discuss and approve, Curriculum contents of B. Tech – AI&DS Engineering –Revision -0, Curriculum of TY B. Tech – AI&DS Engineering as per the NEP Compliant curriculum Revision-1.

The chairman presented the proposed curriculum structure of Third Year B.Tech and 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: Genetic Algorithm

- Suggested to change prerequisite and check the year of publication of Text books. Overall Contents are good and, the curriculum content was discussed and approved.

B. Course: Big Data analytics

- Suggested to add Mango Db
- Make unit 4 contents lighter

C. Course: Deep Learning

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

D. Digital Transformation using AI ML with cloud

- suggested to use Platform Sage Maker for practical

E. Professional Elective-IV Data Warehousing and Business Intelligence

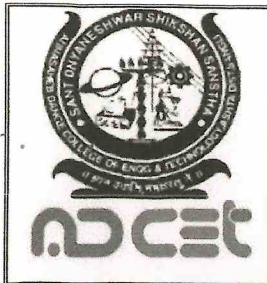
- Add Latest versions of books

F. Professional Elective-IV Natural Language Processing

- add LLM, Chat Gpt, Hugging Face Library should be added

G. Professional Elective-IV Genetic Algorithms and Quantum AI

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



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H. Professional Elective-IV AI in Healthcare

- Add more of applications rather than techniques

I. Project Management and Finance

- add project management tool

J. Big Data Analytics Laboratory

- add Micro project

K. Deep Learning Laboratory

- add some experiments on LLM

L. Digital Transformation Using AI/ML with Cloud Laboratory

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

M. Open Elective-IV (MOOC) ,Professional Elective-V (MOOC)

- Subject choices are given as per the NPTEL course schedules

N. Design and Analysis of Algorithms

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

O. Data Exploration And Visualization

- add feature engineering techniques like box plot in unit-4
- Add Plotly python Library for practical

P. Course: Machine Learning

- add model evaluation techniques

Q. Course: Minor Course 2: Python Programming

- combine List and Tuple Dictionaries
- add applications of python

R. Professional Elective II Data science using R

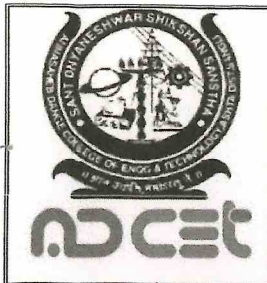
- add statistical analysis

S. Professional Elective II: Software Engineering & Testing

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

T. Professional Elective II: IoT Embedded System for AI

- to purchase kits for doing experiments



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U. Professional Elective II: Data Annotations

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

V. Computer Vision

- add one microproject in experiment list

W. Cloud computing

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

X. Deep Learning

- Make experiment specific not generalize

Y. Professional Elective III: Game Theory in AI

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

Z. Professional Elective III: Intelligent Precision Agriculture

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

AA. Professional Elective - III : Artificial Intelligence in Robotics

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

BB. Professional Elective - III : Advanced Databases

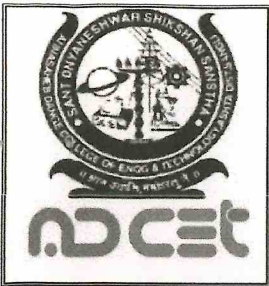
- add Mango Db and Casendra

CC. Course: Minor Course-2 Information Retrieval

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

Resolution:-

After undergoing the changes revised copy of B. Tech – AI&DS Engineering –Revision -0 and TY B. Tech – AI&DS Engineering as per the NEP Compliant curriculum Revision-1 will be sent to BoS for approval.



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Agenda Item No 3: To discuss methodologies for innovative teaching and evaluation techniques

Resolution:- The members resolves to explore and implement a variety of methodologies aimed at fostering innovative teaching and enhancing evaluation techniques. This includes, Active Learning Strategies, Technology Integration , Project-Based Learning ,Activity based learning

Agenda Item No 4: Any other item with the permission of the chair

Resolution:- Dr,Kothavade and Mr.Gane suggested to use modern tools used in industry


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Annexure-I

Action Taken on Suggestions received in BoS meeting Held on 22/06/2024

Sr. No	Suggestions	Action Taken
1	Course: Genetic Algorithm 1. Dr. Reddy Sir suggested to change prerequisite 2. check the year of publication of Text books 3. Mr.Deepak Garg said contents are good	As per the suggestions given by members changed the prerequisite Latest edition(2012) of book is added of the same book
2	Course: Big Data analytics 1. Mr.Deepak Garg suggested to add Mango Db 2. Make unit 4 contents lighter 3. Not to add more than two books	As per suggestions given by members, 1. added Introduction part of MongoDB in unit 3. 2. made unit 4 lighter 3. Deleted 2 books from text books
3	Course: Deep Learning 1. Mr.Akshay Gane suggested one text book to add	Added Reference Book - Neural Network from Scratch using Python By Harrison Kinsley & Daniel Kukiela
4	Course: Digital Transformation using AI ML with cloud 1. Mr.Akshay Gane suggested to use Platform SageMaker for practical 2. Remove deep learning Text book 3. Add Vertex AI	1.changed the deep learning book with 2.Platform SageMaker to perform practical
5	Course: Professional Elective-IV Data Warehousing and Business Intelligence 1. Mr.Deepak Garg said to check all the books editions. Add Latest versions	no latest book is available that covers all the syllabus
6	Course:Professional Elective-IV Natural Language Processing 1. add LLM,Chat Gpt 2. Hugging Face Library should be added 3. Introductory part of RACK should be added	As per suggestions given by members 1.added LLM,chat Gpt 2.Added Hugging face library 3.added Introduction of RACK
7	Course: Professional Elective-IV Genetic Algorithms and Quantum AI	No suggestions

8	Course: Professional Elective-IV AI in Healthcare 1. Mr.Garg suggested to change subject title to AI in Healthcare applications 2. Add more of applications rather than techniques	With the Structure is already defined
9	Course: Project Management and Finance	No suggestions
10	Course: Big Data Analytics Laboratory 1. Mr.Garg suggested to add Micro project	Added Micro project
11	Course: Deep Learning Laboratory 1. Mr.Gane suggested to add some experiments on LLM	Added one experiment on LLM
12	Course: Digital Transformation Using AI/ML with Cloud Laboratory	No suggestions
13	Course: In-Plant Training	No suggestions
14	Course: Project	No suggestions
15	Course: Value Added Course-7	-Institute level course
16	Course: Open Elective-IV (MOOC)	Authority is given to BoS Chairman to give course names as per the availability of NPTEL courses from list for dec to apr 2025
17	Course: Professional Elective-V (MOOC)	Authority is given to BoS Chairman to give course names as per the availability of NPTEL courses from list for dec to apr 2025
18	Course: Internship / Project (Phase-II)	No suggestions
19	Course: Design and Analysis of Algorithms 1. Mr.Kodavade said good syllabus	No suggestions

20	Course: Data Exploration And Visualization 1. Mr.Gane suggested to add feature engineering techniques like box plot in unit-4 2. Add Plotly python Library for practical	Added box plot point in U Added plotly library for v unit no. 6
21	Course: Machine Learning 1. Mr.Kodavade finds one statement missing while writing course outcome suggested to add that 2. Mr.Gane suggested to add model evaluation techniques	1. Model evaluation techniques is added for classification and regression 2. statement missing while writing course outcome is added
22	Course: Minor Course 2: Python Programming 1. Mr.Gane suggested to combine List and Tuple Dictionaries 2. Add applications of Python	1. Combined List Tuples ,Dictionaries, Function separated. 2. Added Application of Python in Activities part.
23	Course: Professional Elective II Data science using R 1. Mr.Gane suggested to add statistical analysis	1. Added one practical on statistical analysis
24	Course: Professional Elective II: Software Engineering & Testing 1. Syllabus is good	No suggestion
25	Course: Professional Elective II: IoT Embedded System for AI 1. Mr.Kodavade suggested to purchase kits for doing experiments	suggested to use Intel® Galileo Gen 2 Development Board
26	Course: Professional Elective II: Data Annotations 1. Mr.Gane suggested using Annotation tool	Suggested Annotation tool- brat rapid annotation tool, A web-based annotation tool added into syllabus
27	Course: Inplant Training/Internship	No suggestions
28	Course: Computer Vision 1. Mr.Kodavade suggested to add one microproject in experiment list	1.added microproject in the experiment list

29	Course: Cloud computing 1. Mr.Gane suggested to change prerequisite	added computer networki prerequisite
30	Course: Deep Learning 1. Mr.Kodavade suggested to add problem statement in experiment no 4 2. Make experiment specific not generalize	Practical list is revised as per the suggestion.
31	Course: Professional Elective III: Game Theory in AI 1. Mr.Kodavade suggested to go through IIT Bombay syllabus	No suggestions
32	Course: Professional Elective III: Intelligent Precision Agriculture 1.Mr.Kodavade suggested to change title Edge computing and applications	Added point of Edge computing in AI tools in Agriculture
33	Course: Professional Elective - III : Artificial Intelligence in Robotics	No Suggestions.
34	Course: Professional Elective - III : Advanced Databases 1. Mr.Gane suggested to add Mango Db and Casendra 2. Mention database to use	Added Mango Db and Casendra
35	Course: Minor Course-2 Information Retrieval	No Suggestions.
36	Course: Mini Project	No Suggestions.


Mrs. Rama Kaulgud
Member Secretary

Board of Studies (BoS)


Dr. Asma Shaikh
Chairman

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