



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: 18/7/2023

All the esteemed members of the **Board of Studies (BoS)** of the Department of Artificial Intelligence & Data Science are hereby informed that the 3rd **BoS Meeting** has been scheduled as per the details below:

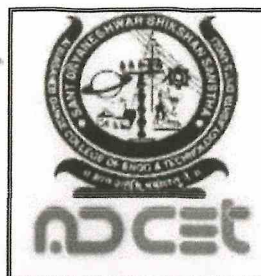
- **Date:** 22/7/2023
- **Time:** 10.00AM
- **Venue:** AI & DS Board Room

Agenda of the Meeting:

1. To confirm the minutes of the meeting of BoS held on 27-08-2022
2. To place before the BoS the report about the action taken on the decisions of
3. its meeting held on 27-08-2022
4. To introduce all BoS members
5. To discuss and approve, Third Year structure, Final year Structure R0.
6. To discuss and approve curriculum contents of Third Year courses
7. 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. Krishna Kumar L
Chairman, Board of Studies(AI&DS)



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22/07/2023

MINUTES OF THE MEETING

Third Board of Studies

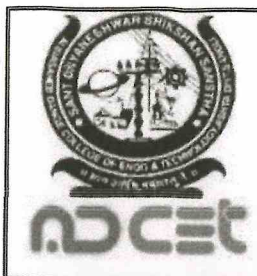
DATE: 22-07-2023, AT 10.00 AM

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

The 3rd meeting of Board of Studies (BoS) of Undergraduate Programme, B.Tech., At Department of Artificial Intelligence and Data Science, ADCET, Ashta was held on 22-07-2023, at 10.00 AM in the AI&DS Department in Physical/Hybrid mode using Microsoft Teams Platform. **Prof. Krishnakumar L. (HOD AI&DS)** chaired the Meeting.

The following is the list of BoS Members:

Sr.No.	Name	Position
1.	Prof. Krishnakumar L Head and Chairman BoS ,Department of Artificial Intelligenceand 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 Tata Research Development and Design Center, Pune	Member
6.	Mr. Akshay Gane Application Development Senior Analyst, Accenture, Pune	Member
7.	Mr. Vikas N Honmane, Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	BOS-Secretary
8.	Mr. Rajesh P Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	Member
9.	Mr. Amruta Awati Assistant Professor, Department Artificial Intelligence and Data Science, ADCET, Ashta	Member



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Agenda of the meeting and resolutions areas follows:

Agenda Item No1: To confirm the minutes of the meeting of BoS held on 27-08-2022

Resolution: Confirmed

Agenda Item No2: To place before the BoS the report about the action taken on the decisions of its meeting held on 27-08-2022

Agenda Item No.3: To introduce all BoS members

Mrs. Amruta Awati introduced all members of BoS with their short profiles.

Agenda Item No.4: To discuss and approve, Third Year structure, Final year Structure R0.

The chairman presented the proposed curriculum structure of Third Year B. Tech and Final Year B. Tech

Agenda Item No.5: To discuss and approve curriculum contents of Third Year courses

-The course coordinator presented the curriculum of respective branch specific course.

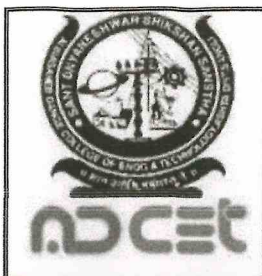
A. Course: Introduction to Data Science

Contents are good and can be accepted, the curriculum content was discussed and approved.

B. Course: Design and analysis of algorithm

Dr. Reddy Sir suggested following changes

1. Unit Order (First Unit Greedy Method, Second unit Divided Conquer Method otherwise combine both units)
2. Add Branch and Bound in the syllabus
3. Design and analysis of algorithm taken syllabus from CSE Department they comment to add as per the Unit Order (First Unit Greedy Method, Second unit Divided Conquer Method otherwise combine both units)
4. Other Units (Concept of Back tracking), Conflict of Branch & Bound Should be added before the Back tracking, Somewhere we can add)



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5. AI Search method for Problem Solving, according to this three courses, we have included First Subject content for search method for problem solving is ok, the curriculum content was discussed and approved.

C. Course: AI Search method for Problem Solving

Content taken from NPTEL, no comments on syllabus, the curriculum content was discussed and approved

D. Course: Design and analysis of algorithm laboratory

OK keep it as it is, but multiple programs on same techniques students can get more knowledge about that.

E. Course: IOT Embedded system for AI

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

F. Course: Entrepreneurship

The curriculum contents are followed from the Institute Central Level, and the curriculum content was discussed and approved.

G. Course: Design and Analysis of Algorithms Laboratory

- For 5th Semester Design and Analysis of Algorithm to increase the Lab to 4 Credits., Design and analysis of algorithm laboratory is OK keep it as it is, but multiple programs on same techniques students can get more knowledge about that. The theory 3 Credit, and the Laboratory 1 Credit.

H: IOT Embedded Systems for AI Laboratory

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

I: Data Handling and Visualization Laboratory

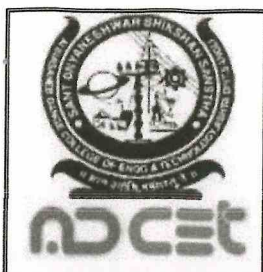
- Data Handling and Visualization laboratory no issues there is No comments from experts.

J: Professional Elective-II Data Science using R

- Data Science using R the comments from experts the UNIT 4 &5 &6 as per the sequence, 'R', Program experiments can be Case Study Based, And Not Ready Made and the curriculum content was discussed and approved

K: Professional Elective-II Data Annotations

- Data Annotation subject the comment from (Dr.Kodavade Sir)asked about feature engineering suggested for this course & asked about the content (Book is available or not)



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- Dr. Akshay Suggested about the Meta Can be added for the Annotations, Experts Dr.Kodavate Recommended Meta Not Positive in Data Annotations.

L: Professional Elective-II Databases and SQL for Data Science with Python

-Database & SQL for data science with python the comments from experts the name of the subject should be moderated to Advanced Databases and Unit 5 title should be implementation of Databases and Unit 6 Should be Introduction to SQLite.

M: Industrial Training/Internship

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

N: Value Added Course-5

-As per the AICTE Model Curriculum, the curriculum content was discussed and approved

O: Deep Learning

-Dr. Reddy Suggested after Soft computing they Recommended Deep Learning), as this is open elective subject make lighter the syllabus. The curriculum content was discussed and approved.

P: Computer Vision

-Computer vision no comments from experts, the curriculum content was discussed and approved

Q: Cloud Computing

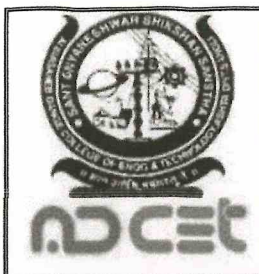
-Cloud computing that not covered the Development of Cloud otherwise different subjects of Development.

- Cloud computing & distributed systems should be Separate

R: Machine Learning:

-For open electives it should be deleted instead of (RNN) we should add applications of Deep learning, First Add the machine learning then go the deep learning subjects, then Transform architecture introduction part is added.

-Comment about the Machine learning the prerequisite for AI Search method have implement & Unit 2 Regression Shift that chapter taken from the Anna University Website), the curriculum content was discussed and approved.



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S: Professional Elective-III Game Theory in AI

- Game theory in AI the subject contents are very tough.
- Game theory in AI Laboratory, the faculty has to implement & check their own first (Its very tough to the students), the 11th experiment should take as first experiment.
- About the Data Visualization subject the 3rd Unit can be the First unit and Data Exploration Should be the UNIT-V.
- Game playing applications in AI, Chess playing etc., applications and UNIT 5 Fully covered about all AI Applications

T: Professional Elective-III Intelligent Precision Agriculture

- The comment for Professional Elective III-(AI Robotics & Agriculture Precision), the word agriculture planning to drop, we can apply drone technology and green house problem, trying to incorporate AI in agriculture and do to some Capstone Project application oriented experiments are house to design, like (1. Drone Technology 2. Image processing) don't drop these applications.

U: Professional Elective-III AI and Robotics

- AI & Robotics the comments from, Dr. Kodavate "What is the role of AI in Robotics", instead of Game playing robotics foundation course merge both unit 4 & 5.

V: Universal Human Values-2

- UHV-II its Third year subject as per AICTE Keep it as it is no comment from experts.

W: Computer Vision Laboratory

- Computer vision laboratory also no issues keep it as it is, No comments from the experts.

X: Cloud Computing Laboratory

- Comment about the Cloud computing laboratory the Experiment 3 using some Private Cloud under Private Cloud everything will be come, the curriculum content was discussed and approved.

Y: Machine Learning Laboratory

- Machine learning laboratory, how to implement the programs from Python to java the comments from experts.



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Z. Professional Elective-III Laboratory Game Theory in AI Laboratory

-Game theory AI Laboratory all the Contents Are Ok but the Faculty must have the Knowledge about the laboratory to ensure the comment given by Dr.D.V. Kodavade

A. Professional Elective-III Laboratory Intelligent Precision Agriculture Laboratory

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

B: Professional Elective-III Laboratory AI and Robotics Laboratory

-AI & Robotics Laboratory, Dr. Kodavade Sir about the Robotics laboratory add Camera in Robot (Computer Vision, Chess Playing or not)

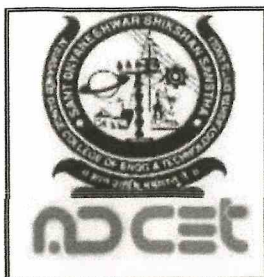
-All the Experiments Are Incorporated with ROBOT.

Resolution:-

AfterundergoingthechangesrevisedThirdYearB.Tech.(ArtificialIntelligenceandDataScience) Curriculum will be sent to BoS for approval.

Agenda Item No6: NEP Compliant curriculum for 2023-2024 presented and following suggestions given by -**Dr.D.V. Kodavade, Dr. DamodarReddy Edla, Dr. Deepak Garg, Dr. Sachin Pawar, Mr.Akshay Gane.**

- Problem Solving “C” to reduce the credits to 3.
- Physics chemistry the credits have increased up to 4.
- 3rd Semester Discrete mathematics and theory of computation have in progress
- Foundations of Artificial intelligence have added in curriculum.
- 4th Semester (Two Subjects Removed and 2 Laboratory Removed)
- Data Analytics & Data Analytics lab are added
- For Fifth Semester 2023 Batch Studying AI Search Method as Minor course.
- Dr. Reddy Recommend to remove First Year Engineering Graphics Course.



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- For the 3rd Semester Discrete Mathematics & Theory of Computation increase the credits & Important subjects & Tutorial its Important & Make 5 Credit Course Comments Given By (Prof. Deepak Garg)
- Data Structures laboratory increase from 2 to 4 Hours.
- For 4th Semester Statistics & Probability & Fuzzy logic (Prof. Deepak Garg) suggests The Word 'Fuzzy Logic & Not Important)
- Software Engineering, Theory of computation, compiler design, computer architecture, how this courses are incorporating? These are core subjects are should add.
- **System programming & Compiler Design** Subject is not there its mandatory, we can club the Microprocessor instead of Microprocessor either Compiler Design or Computer Architecture.

AgendaItemNo.7: Any other item with the permission of the chair

-Dr. Reddy suggested referring and Thinking of adding some of the courses as per National Education Policy.

Mr. V. N. Honmane
MemberSecretary
Board of Studies(BoS)

Prof Krishnakumar.L
Chairman
Board of Studies(BoS)