



ISE Activity-III

Activity Title: Micro Project

Objective:

- To enable students to apply Machine Learning techniques to solve real-world problems across multidisciplinary domains such as healthcare, agriculture, finance, and environment.
- To enhance practical implementation skills in data handling, preprocessing, model building, and evaluation.
- To encourage problem-solving, critical thinking, and interdisciplinary collaboration using Machine Learning.

Target Student Outcomes:

On successful completion of this micro project, students will be able to:

- Identify and frame real-world problems suitable for machine learning solutions.
- Collect, clean, and preprocess data relevant to the chosen domain.
- Apply supervised/unsupervised ML algorithms using appropriate tools (Python, scikit-learn, pandas, matplotlib).
- Analyse and interpret the results to provide actionable insights.
- Develop skills for project documentation, teamwork, and presentation.

CO Mapping:

CO	
1ADPC303_1	Understand the fundamental concepts of machine learning.
1ADPC303_2	Develop skills to solve real-world problems using machine learning techniques & algorithms.
1ADPC303_3	Analyze and evaluate the performance of different types of machine learning models.
1ADPC303_4	Explore advanced topics and current trends in machine learning & study real-time applications.
1ADPC303_5	Develop skills to solve real-world problems using machine learning techniques & algorithms.



Department of Artificial Intelligence & Data Science

	Annasaheb Dange College of Engineering & Technology, Ashta (An Empowered Autonomous Institute) Department of Artificial Intelligence and Data Science Rubrics for ISE-Activity III Micro Project	
	Academic Year: 2025-26	Semester: VII
	Class & Division: TY B. Tech	Date of Conduction:
	Course Name: Machine Learning	Course Code: 1ADPC303

1ADPC303_1	Understand the fundamental concepts of machine learning.
1ADPC303_2	Develop skills to solve real-world problems using machine learning techniques & algorithms.
1ADPC303_3	Analyze and evaluate the performance of different types of machine learning models.
1ADPC303_4	Explore advanced topics and current trends in machine learning & study real-time applications.
1ADPC303_5	Develop skills to solve real-world problems using machine learning techniques & algorithms.

	CO	Excellent	Good	Average	Poor
Problem Identification and Formulation	CO1	Problem well-defined, real-world, multidisciplinary	Real-world relevance, clear objectives	General relevance, objectives need clarity	Unclear or irrelevant problem
		4	3	2	1
Data Collection, Cleaning & Preprocessing	CO2	Appropriate dataset, thorough cleaning, clear feature selection	Good dataset with basic cleaning	Limited cleaning, used dataset	Incomplete/irrelevant data
		4	3	2	1
Model Implementation & Technical Accuracy	CO3	Correct ML model, clear code, parameter tuning, well-executed	Model implemented with minor issues	Basic implementation with minor errors	Incorrect/incomplete implementation
		4	3	2	1
Analysis, Visualization & Interpretation with different techniques	CO4	Clear graphs, insightful analysis, well-interpreted metrics	Good graphs, basic analysis and interpretation	Limited graphs and interpretation	No clear analysis
		4	3	2	1
Poster, Report Quality & Presentation Skills, team work	CO5	Well-structured report, clear explanation, confident demo	Structured report, clear explanation	Basic report, unclear explanation	Poor report/presentation
		4	3	2	1


Course Coordinator


Academic Coordinator

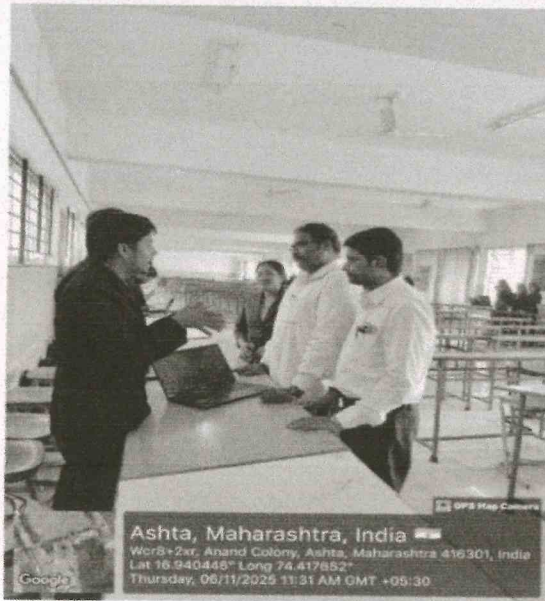
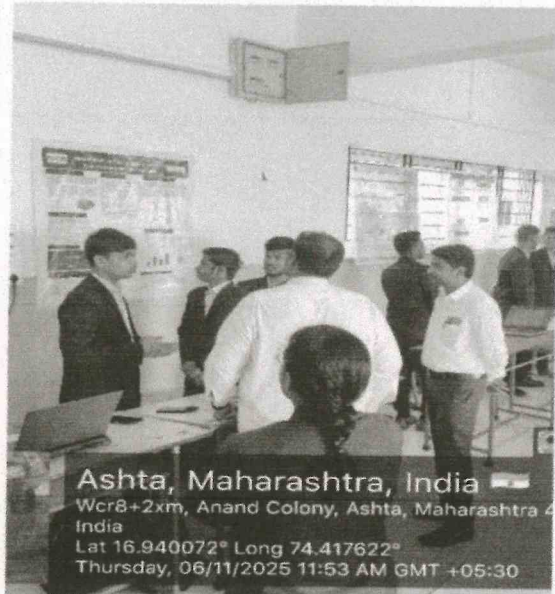

Head of Department



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

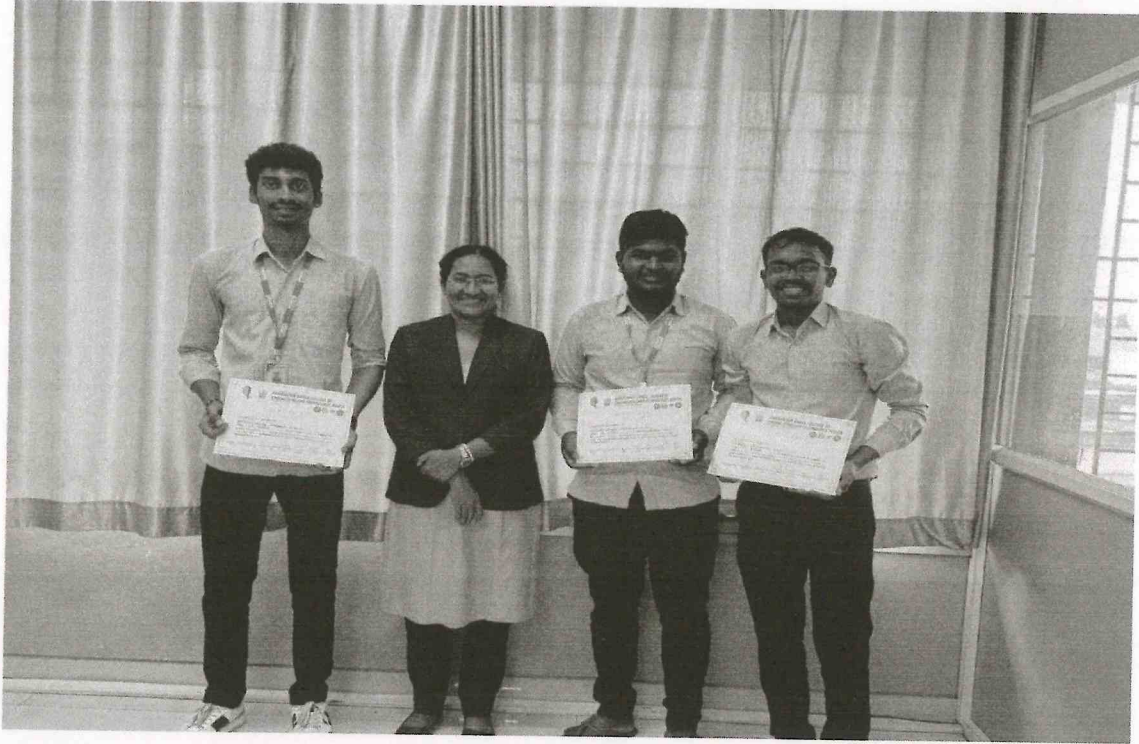


ISE 2 Photos:





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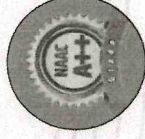


Sant Dnyaneshwar Shikshan Sanstha's



ANNA SAHAB DANGE COLLEGE OF ENGINEERING AND TECHNOLOGY, ASHTA

(An Empowered Autonomous Institute)



CERTIFICATE



THIS CERTIFICATE IS AWARDED TO

MR./MRS./MSMomin.....Faiz.....Ashraf.....
FROMT.Y.....A.I.&D.S..... AS PARTICIPANT / RUNNER UP / WINNER FOR
EVENT IN "PULSEPREDICT EXPO". ORGANISED BY ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
DEPARTMENT HELD AT ANNA SAHAB DANGE COLLEGE OF ENGINEERING AND TECHNOLOGY, ASHTA
ON 06 NOVEMBER 2025.

MR. AKSHAY MANE

CO-CORDINATOR

MS. TEJASWINI DANWADKAR

CORDINATOR

MS. ASMA SHEKH

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AI & DS

DR. A. S. DANGE

DEAN,
RESEARCH,
INNOVATION AND STARTUP

DR. S. B. HIVAREKAR

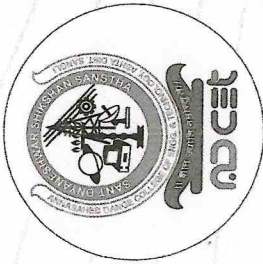
DEAN,
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DEVELOPMENT

DR. GOPINATH S

DEAN ACADEMICS

DR. L. Y. WAGHMODE

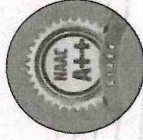
DIRECTOR



Sant Dnyaneshwar Shikshan Sanstha's

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