



St. John College of Engineering and Management

Autonomous Institute

(A Christian Religious Minority Institution)

Approved by AICTE and DTE, Affiliated to University of Mumbai / MSBTE

DTE Code : 3218 AICTE Permanent ID : 1-4790201

NAAC Accredited with Grade 'A+', Three Programs NBA Accredited



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REPORT

Details of Activity:

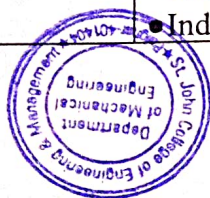
Name of the Activity	"Introduction to Artificial Intelligence"		
Date & Time	20 th Feb 2025 10 to 11 AM	Department / Committee	MESA, Mechanical Engg. Dept
Venue	TE Mech Classroom	No. of Participants	11
Nature of Activity	Expert Session	Mode of Activity	Offline
Name of Activity In-charge	Mr. Sangam Rane	Name of Activity Coordinator	Mr. Sagar Patil
Name and Affiliation of Resource person	Mrs. Juily Tarade		

Activity Information:

Objectives	Introduce the fundamental concepts of Artificial Intelligence.
Target Audience	TE Mechanical Engineering Student.
Methodology	<ol style="list-style-type: none"> 1. Define Objectives 2. Select the Expert(s) 3. Plan the Session Format 4. Prepare Pre-Session Materials 5. Conduct the Session 6. Post-Session Activities
Outcomes	<ol style="list-style-type: none"> 1. Understanding the Basics of AI 2. Awareness of AI Applications 3. Knowledge of AI Techniques & Algorithms

SWOT Analysis of the Event:

Strength	Weakness	Opportunity	Threats
<ul style="list-style-type: none"> • Expert Knowledge • Engagement & Interaction • Real-World Applications • Foundation for Advanced Learning 	<ul style="list-style-type: none"> • Limited Time • Varied Audience Knowledge • Dependence on Expert's Delivery • Technical Challenges 	<ul style="list-style-type: none"> • Growing Interest in AI • Networking & Collaboration • Follow-Up Learning Paths • Industry Exposure 	<ul style="list-style-type: none"> • Rapid AI Evolution • Misinformation Risks • Competition from Online Courses • Lack of Hands-On Experience





Report of Expert Session on "Introduction to Artificial Intelligence"

Speaker: Mrs. Juily Tarade, Assistant Professor, AIML Department

Target Audience: Third Year Mechanical Engineering Students

1. Introduction:

This report summarizes the expert session conducted by Mrs. Juily Tarade, Assistant Professor in the AIML Department, on "Introduction to AI" for third-year Mechanical Engineering students. The session aimed to provide students with a foundational understanding of Artificial Intelligence, its various subfields, and its potential applications, particularly relevant to the field of mechanical engineering.

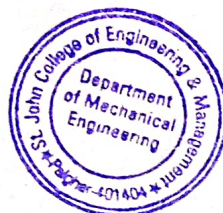
2. Session Objectives:

The primary objectives of this session were to:

- Introduce the fundamental concepts of Artificial Intelligence.
- Explore the different branches of AI, such as Machine Learning, Deep Learning, and Natural Language Processing.
- Highlight the applications of AI in mechanical engineering, including areas like design, manufacturing, and automation.
- Spark interest in AI and encourage students to explore its potential further.

3. Session Content:

Mrs. Tarade began the session by defining Artificial Intelligence and differentiating it from related concepts. She explained the historical development of AI, highlighting key milestones and breakthroughs. The session covered the following key areas:





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What is AI? A clear and concise definition of AI was provided, emphasizing its goal of creating machines capable of intelligent behavior.

Types of AI: The various types of AI, such as narrow or weak AI, general or strong AI, and super AI, were discussed.

Key Subfields of AI: The session delved into the core subfields of AI, including:

Machine Learning (ML): An overview of ML, including supervised, unsupervised, and reinforcement learning, was presented. Examples relevant to mechanical engineering, such as predictive maintenance, were discussed.

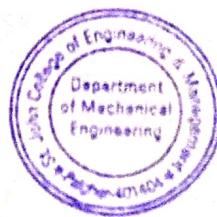
Deep Learning (DL): The basics of deep learning and neural networks were explained, with a focus on their ability to handle complex data and patterns.

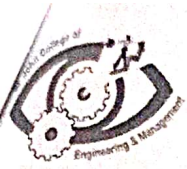
Natural Language Processing (NLP): The role of NLP in enabling machines to understand and process human language was introduced.

AI Applications in Mechanical Engineering: This section focused on the practical applications of AI within the field, including:

4. Session Delivery:

Mrs. Tarade delivered the session in a clear and engaging manner. She used a combination of slides, real-world examples, and interactive discussions to keep the students interested. The presentation was well-structured and easy to follow, even for students with limited prior knowledge of AI.





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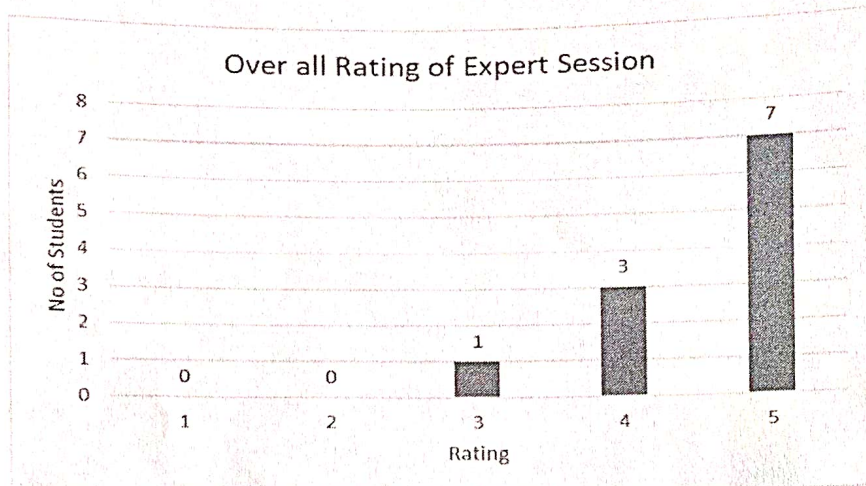
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5. Student Feedback:



6. Conclusion:

The expert session on "Introduction to AI" proved to be highly beneficial for the third-year mechanical engineering students. It provided them with a valuable overview of the field and its potential impact on their future careers. The session successfully achieved its objectives of introducing AI concepts and sparking interest in further exploration.

7. Recommendations:

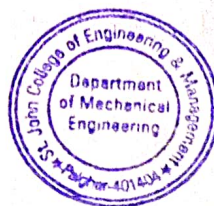
Follow-up sessions could be organized to delve deeper into specific AI applications relevant to mechanical engineering.

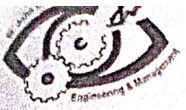
Workshops or hands-on sessions could be conducted to provide students with practical experience in using AI tools and techniques.

Resources for further learning, such as online courses and research papers, could be shared with the students.

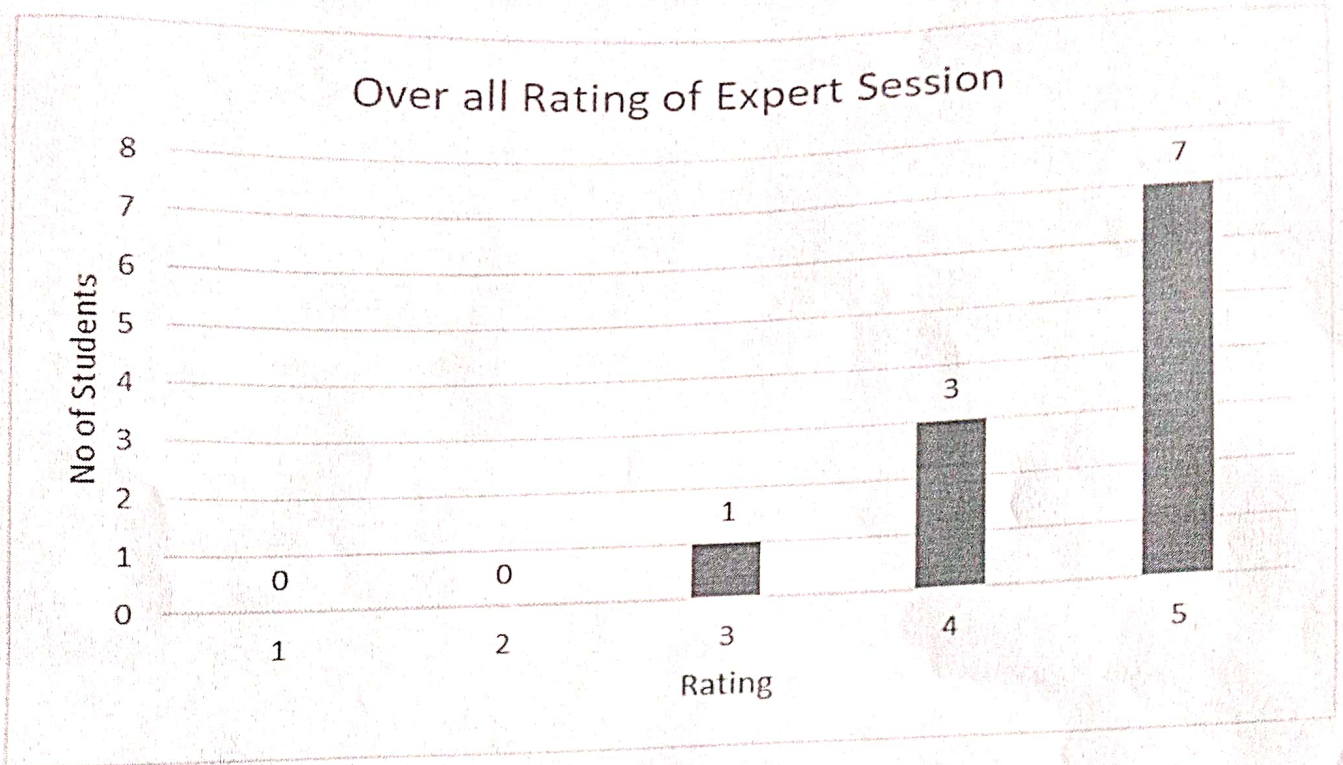
Prepared by: Mr. Sagar Patil

Date: 28th Feb 2025

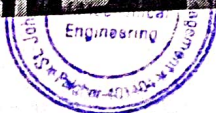
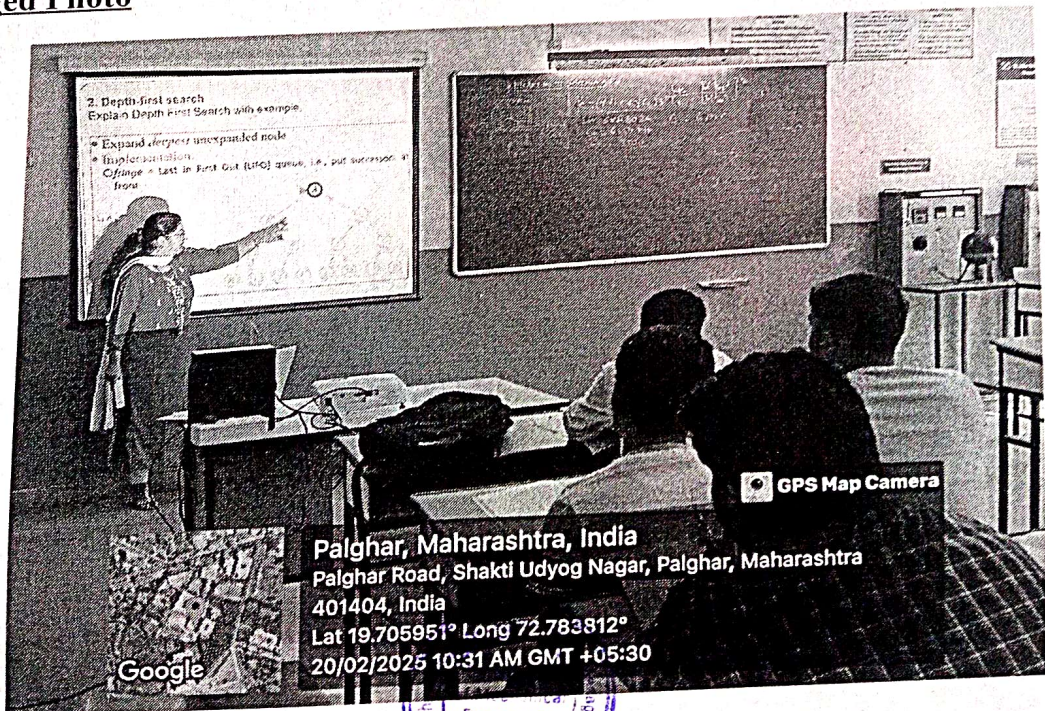




Feedback Analysis:



Geo-Tagged Photo





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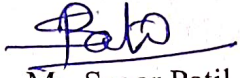
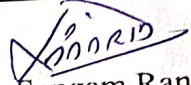
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Proofs & Documents Attached (Tick mark the proofs attached) :

Notice / Brochure		Feedback Form
Attendance list		Feedback Analysis
Photos		Media News Details
Certificate		Any Other

Prepared By	Checked By
Name & Dated Signature of Coordinator	Name & Dated Signature of Committee In-charge
 Mr. Sagar Patil	 Mr. Sangam Rane

Date of Activity: 20th Feb 2025

Date of Report Submission: 28th Feb 2025

Reason for delay if any: Due to Internal Assessment Test, Students delayed for Feedback.

Date: 28th Feb 2025



Approved By
HOD Signature

