

# NANDHA ENGINEERING COLLEGE, AUTONOMOUS- ERODE-52



## DEPARTMENT OF SCIENCE AND HUMANITIES



# '24



Activity		Introductory Domain Specific Workshop for First year Students
Target Group	B.Tech- Artificial Intelligence and Data Science	
Date	09.12.2024	
SDG Alignment	<b>SDG- 4</b> Quality Education  Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	<b>4 QUALITY EDUCATION</b> 

### EVENT REPORT

#### SESSION DETAILS:

DATE	TIME	Workshop Title	RESOURCE PERSONS
09.12.2024	9.15 am – 4.30 pm	Exploring the fundamentals of AI and creating basic AI models	<b>Dr.J. Senthil Kumar</b> Associate Professor Department of CSE, KIT- Kalainger Institute of Technology, Coimbatore

#### PARTICIPANTS DETAILS:

Students of First Year B. E – B. Tech- Artificial Intelligence and Data Science	58
---	----

#### Inauguration Agenda:

Welcome Address & Chief Guest Introduction	Mr. R.Thiruneelakkandan ,HoD- S & H
Key Note Address	Dr.U.S. Ragupathy, Principal
Session by	Dr.J.Senthil Kumar

## **Intended Outcomes:**

**By the end of this workshop, participants will be able to:**

1. **Understand the Basics of AI & Machine Learning** – Gain foundational knowledge of AI, Machine Learning (ML), and their real-world applications.
2. **Build & Train Basic AI Models** – Implement simple AI models, train them using small datasets, and evaluate their performance.
3. **Develop Computational Thinking & Analytical Skills** – Enhance problem-solving abilities and logical reasoning required for AI development.

## **About the session:**

The **introductory workshop on Artificial Intelligence (AI) and Machine Learning (ML)** was successfully conducted by **Dr. Senthil Kumar, Professor – CSE, KIT Coimbatore**. The session aimed to provide **first-year undergraduate students** with a fundamental understanding of AI concepts, real-world applications, and hands-on experience in developing basic AI models.

## **Session Highlights:**

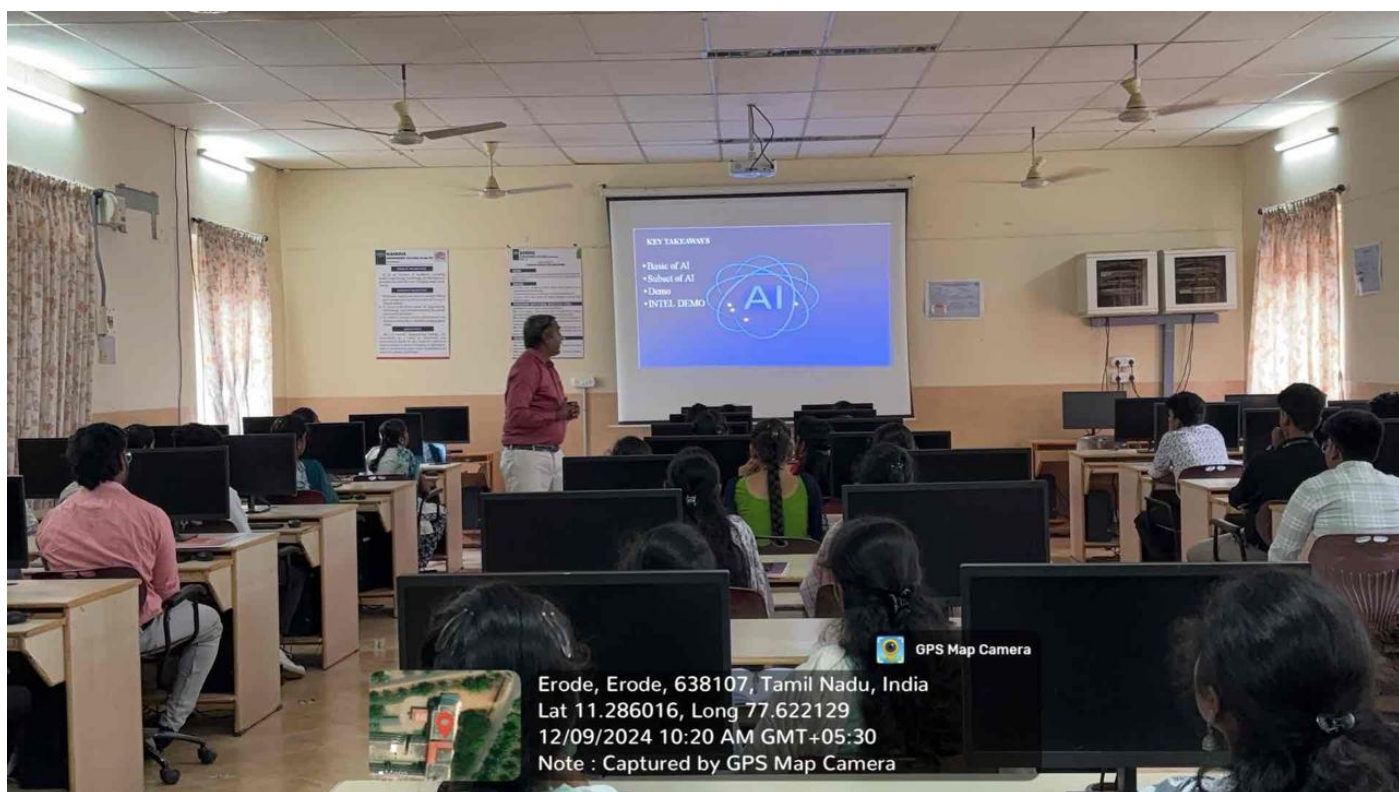
- **Introduction to AI & ML:** Dr. Senthil Kumar provided a comprehensive introduction to AI, its history, and its significance in modern technology.
- **Machine Learning Techniques:** The session covered **supervised and unsupervised learning**, along with key algorithms such as regression, classification, and clustering.
- **Hands-on AI Model Development:** Students were guided through the **implementation of basic AI models** using Python
- **Real-World Applications:** Practical examples of AI applications in **healthcare, finance, automation, and robotics** were demonstrated.
- **Interactive Q&A and Discussion:** Students actively engaged with Dr. Senthil Kumar, asking insightful questions and discussing AI's future potential.

## **SDG alignment:**

The **AI Fundamentals Workshop for First-Year Engineering Students**, aligned with **SDG 4: Quality Education**, aims to equip students with foundational AI knowledge while demonstrating its role in enhancing learning experiences. This hands-on workshop introduces **machine learning, natural language processing, and AI-driven educational tools**, emphasizing **personalized learning, smart tutoring systems, and accessibility solutions** like speech-to-text for differently-abled students. By integrating AI into education, the workshop fosters **inclusive, equitable, and high-quality learning**, encouraging students to explore **AI-driven problem-solving for real-world educational challenges**.



*Dr.J.Senthil kumar addressed the first year Computer Science Engineering ( Cyber Security Students)*



## Students Feedback



"The workshop provided a great introduction to AI concepts. The explanations were clear, and the hands-on session on building basic AI models helped me understand how AI works in real applications.

- **DHANYA SHRI**



"I really enjoyed the workshop! It was well-structured and easy to follow, even for beginners. The practical exercises helped me grasp the fundamentals of AI and machine learning. It was exciting to see how models are trained and used in real-world scenarios."

- **GOWSICKRAJAN A**



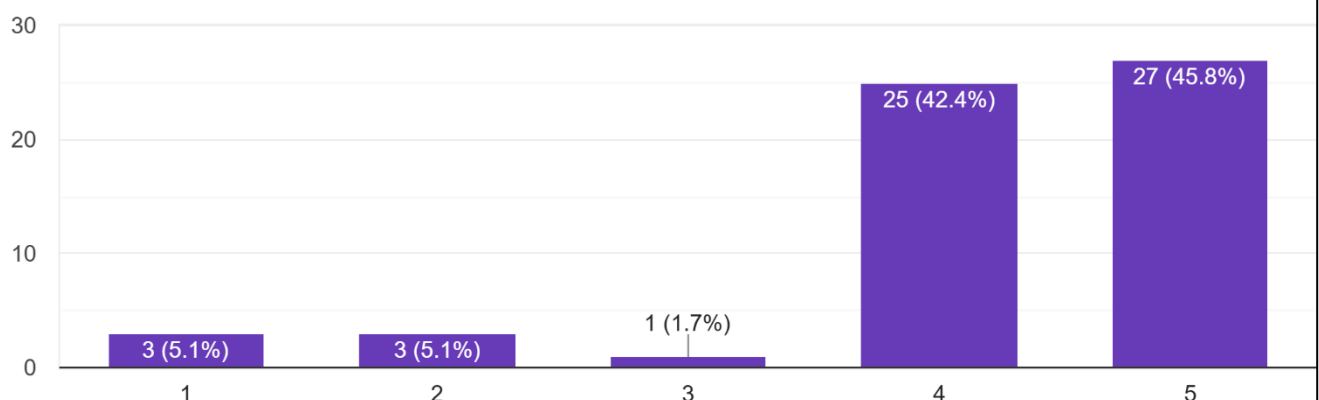
"The session was informative and engaging. I liked how the facilitators explained complex topics in a simple and interactive manner. The hands-on activities gave me confidence in working with AI models. However, I feel a little more time could have been given for coding practice. Overall, it was a great learning experience!"

-**KEERTHIKA S**

## Feedback Analysis (feedback collected through google forms)

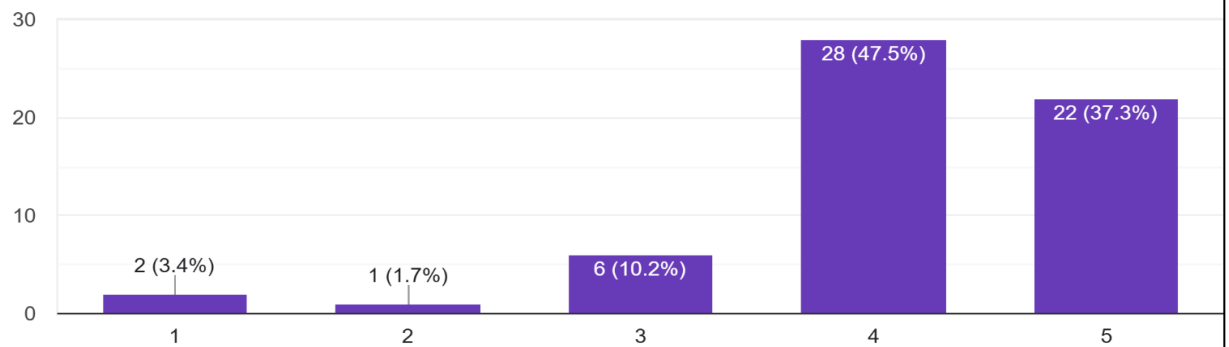
On a scale of 1-5 , how would you rate your overall satisfaction with the introductory workshop on AI ?

59 responses



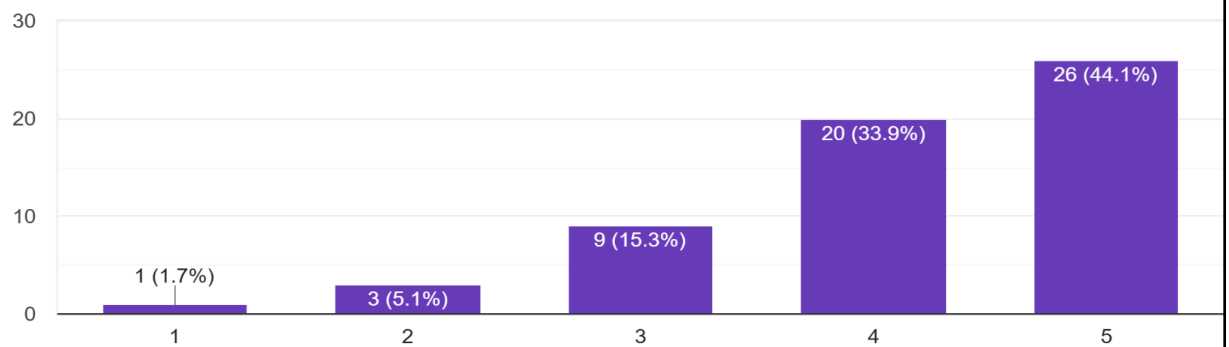
How would you rate the effectiveness of the speaker in delivering the workshop content and engaging the audience ?

59 responses



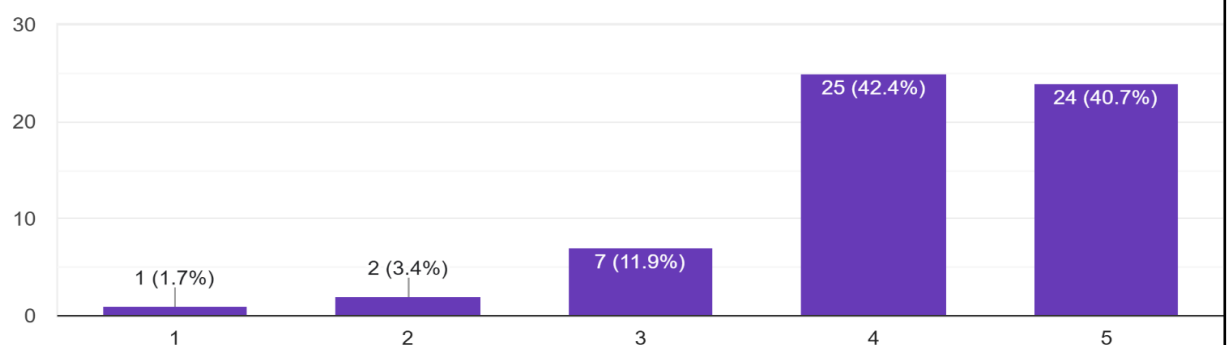
How relevant and useful did you find the workshop content in relation to your academic and professional interests?

59 responses



How would you rate the hands-on experience provided during the workshop? Was it sufficient, and did it help you understand the concepts better?

59 responses





## Event Flyer



# NANDHA

## Engineering College (Autonomous)

(Affiliated to Anna University, Chennai, Approved by AICTE, Accredited by NBA & NAAC with A+ Grade)  
Erode - 638 052.



DEPARTMENT OF  
**SCIENCE & HUMANITIES**

# #

## EXPERT INSIGHTS

(INTRODUCTORY WORKSHOP  
FOR FIRST YEAR B.E./B.TECH)

# '24



AI&DS



**TIME** Exploring the fundamentals of AI  
and creating basic AI models

**Dr. J. Senthil Kumar**

Associate Professor,  
Department of CSE, KIT-KalaignarKaruanidhi  
Institute of Technology, Coimbatore

December  
**09**  
2024

  
NEC- Block 4  
Lab

 [www.nandhaengg.org](http://www.nandhaengg.org)