

## **Workshop on AI, ML and web deployment conducted by dept. of AIML**

*Date of the Event: 23rd November, 2024*

A one day Workshop on AI, ML included interactive sessions, Hands-on Session, and insights on the latest practices, delivered by an industry expert Mr. Harsha (Data Analyst) from Aizant Solutions Pvt Ltd.,. A total of 130 students participated in this event.

### ***Highlights of the Event:***

- **Interactive Q&A Sessions:** Morning Session included introduction to Machine learning and Artificial Intelligence
- **Practical Exposure:** Afternoon session included Hands-on demonstrating various module

### **Detailed Report:**

**Introduction to AI and ML :** The session started with an overview of AI and ML, highlighting their historical evolution, core concepts, and applications. The facilitator explained how these technologies are revolutionizing fields like healthcare, finance, education, and transportation.

**Hands-on Session on ML Models:** A hands-on session was conducted where participants were introduced to basic machine learning algorithms like Linear Regression, Decision Trees, random Forest and Clustering. The attendees were provided the knowledge how to collect and clean datasets and guided through the process of building and testing predictive models using tools like Python and Jupyter Notebook.

Also demonstrated how to deploy the machine learning model using two popular frameworks: Streamlit and Flask. The attendees were introduced to Streamlit as a tool for quickly building user-friendly web applications and shown how it could be used to display real-time predictions from the ML model. Additionally, Flask was presented as a framework that could be leveraged to develop more customizable and scalable web applications. Deep learning concepts were discussed.

**Ethics and Challenges in AI:** The final session shed light on ethical considerations in AI, such as bias in algorithms, data privacy, and the potential impact of automation on the workforce. Strategies to overcome these challenges and build responsible AI systems were also deliberated.

## Captured Images:

