



Shri. Shamrao Patil (Yadavkar) Educational & Charitable Trust's
Sharad Institute of Technology College of Engineering

Yadav (Ichalkaranji)-416121, Dist. – Kolhapur
(An Autonomous Institute)

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Department of Computer Science and Engineering

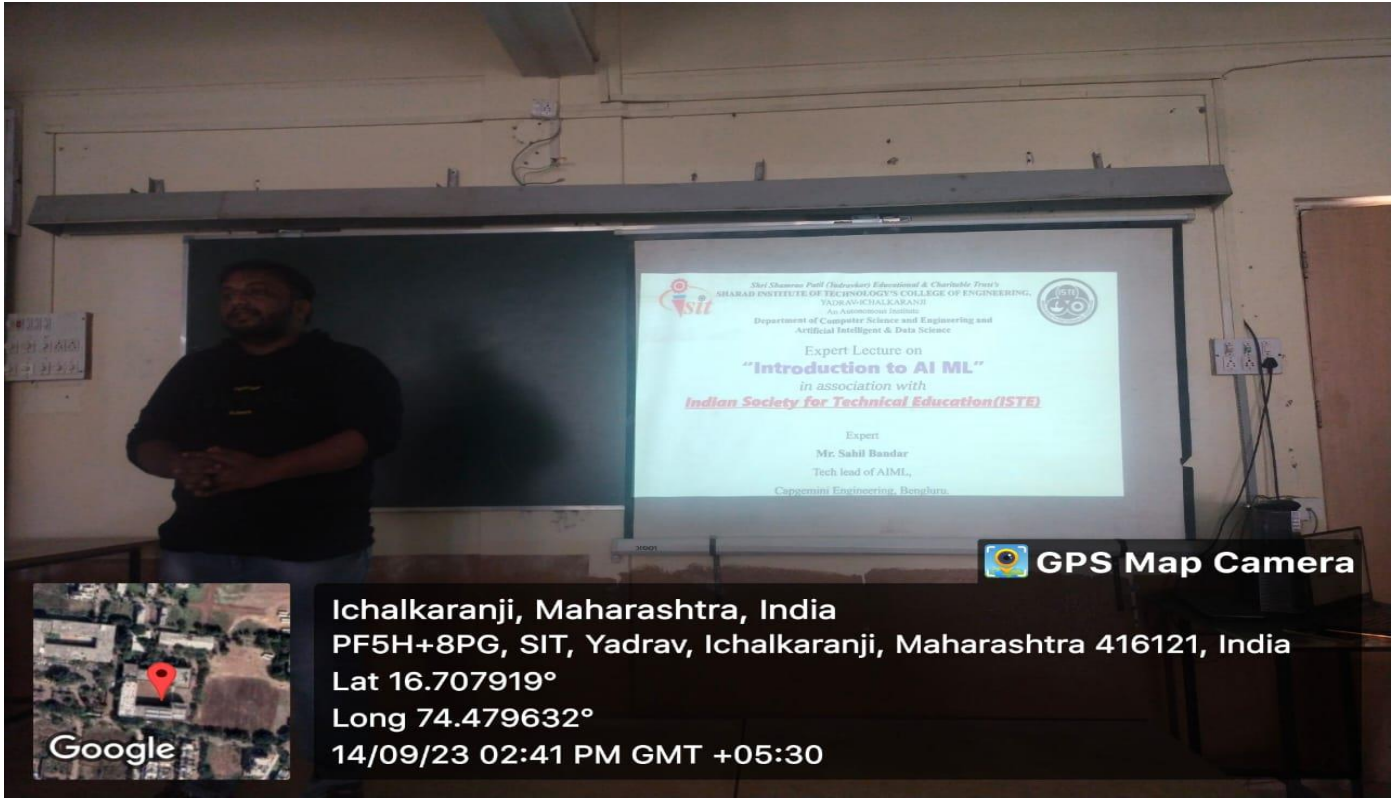
Date: 14-09-2023

Topic: Introduction to Artificial Intelligence and Machine Learning (AIML)

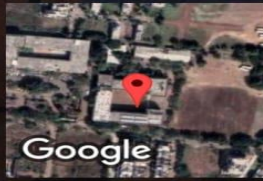
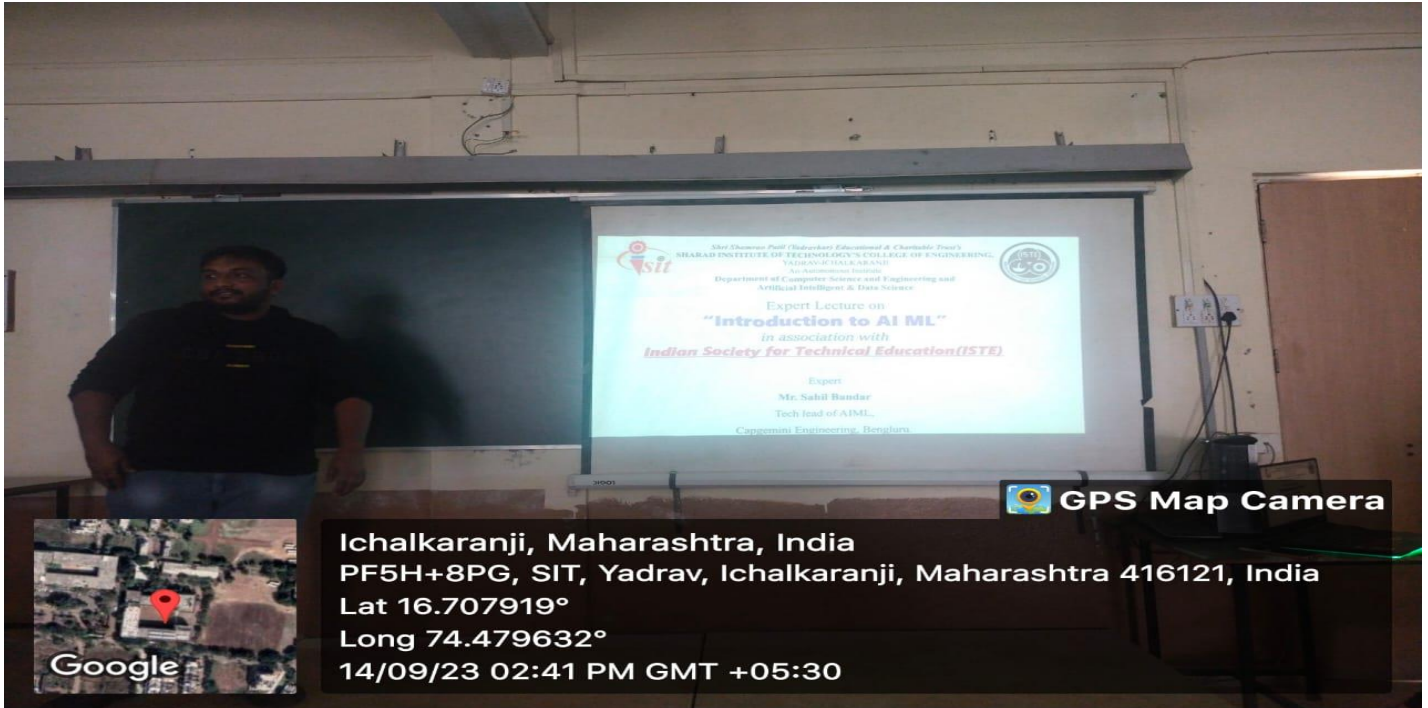
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Artificial intelligence (AI) is machines' ability to observe, think and react like human beings. It's grounded in the idea that human intelligence can be broken down into precise abilities, which computers can be programmed to mimic. AI is an umbrella term that encompasses a wide range of concepts and technologies, including machine learning (ML).

AI consists of many subfields that use techniques to mimic specific behaviors we associate with natural human intelligence. For example, humans can speak, hear, read and write language and glean meaning from it. The fields of speech recognition and natural language processing mimic these abilities by converting audio signals into text and processing that text to extract meaning from it. Other subfields are building intelligent systems that replicate human behaviors, such as



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