



IIT Bhubaneswar

The Annual Techno Management Fest

WISSENAIRE

Artificial Intelligence & Machine Learning

Introduction:

Artificial Intelligence refers to the machine intelligence. Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it learn for themselves. This workshop equips you with the necessary skills required for the understanding of Artificial Intelligence & Machine Learning.

Topics to be covered:

- **Day-1:**

Session 1:

- Introduction of Artificial Intelligence and Machine Learning
- Difference between Machine Learning and Artificial Intelligence
- Role of Data and Computers
- Mathematics behind AI&ML
- Programming Languages
- Future scope, Machine Learning and Artificial Intelligence

Session 2:

- Supervised Learning
- Classification & Regression
- Six cups of Learning
- Your first prediction
- Overfitting and their solution

- **Day-2:**

Session 3:

- Introduction of Deep Learning
- Neuron and Neural Networks
- Training of Neural Network
- Activation and Loss function

Session 4:

- Use of TensorFlow
- Deploy your Code
- Revise and Summary



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Benefits:

- Internship offer to the participants on the performance basis
- Certificate of participation to all the participants from Wissenaire, IIT Bhubaneswar and Organizing partner.

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