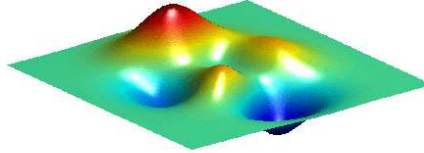




Two Day Technical Workshop on MATLAB



Dear All,

We are happy and excited to announce that the Department of Electrical Engineering is now organizing a two-day workshop on Artificial Intelligence (AI).

Please find below the topics, that will be covered in the technical session at Integral University: -

Day 1: (Monday, 4th March 2024)

Morning Session

Topic- Get Started AI with MATLAB

- o Introduction to MATLAB & Its Application
- o Introduction to Machine Learning -Supervise & Unsupervised
- o Building & Training Predictive Model
- o Hands on- Machine Learning Onramp
- o Learning Resources/Q&A

Afternoon Session

Topic: Introduction to Deep Learning

- o Working with Image in MATLAB
- o Pre trained Model.
- o Demo-Image Classification with Live Camera Transfer Learning
- o Learning Resources/Q&A

Day 2: (Tuesday, 5th March 2024)

Morning Session

Topic: Mathematical Modeling with MATLAB

- o Introduction to MATLAB & Its Applications
- o Data Fitting-Curve, Surface & Spline
- o Generate equivalent MATLAB code to automate your Fitting process.
- o Linear and non-linear system, regression, and mathematical equations
- o Solving Optimization Problem with MATLAB
- o Solving PDE with MATLAB
- o Learning Resources/Q&A

Afternoon Session

Topic: Physical Modeling with MATLAB & Simulink

- o Introduction to Simulink
- o Subsystem and masking
- o Basics of Simscape
- o Creating models in various physical domains.
- o Combining Simulink models and Simscape models.
- o Learning Resources/Q&A

Venue- ECS Lab, Academic Block - F (Room No. F024)

We believe that the workshop will provide academicians, scholars, and students with valuable insights in Artificial Intelligence.

Warm Regards,

Mohammad Atif Siddiqui
Head, Electrical Engineering Department
Integral University

