



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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EE014**NBA Accredited**
(CSE, ECE, EEE, MECH, CIVIL)**Value Added Course on "MATLAB SIMULINK TOOLBOXES FOR ELECTRICAL ENGINEERING (SERIES I)"**

Event No	EE014
Organizing Department	Electrical and Electronics Engineering
Date	24/03/2022 to 26/03/2022 (3 Days)
Event Type	VAC / Training Program
Event Level	Dept. Level
Venue	RE Lab/EEE
Total Participants	87
Students - Internal	87

Outcome

Students understood the importance of MATLAB SIMULINK tool boxes for Electrical Engineering

Event Summary

The department of Electrical and Electronics Engineering organized a Value Added Course on "MATLAB SIMULINK Toolboxes for Electrical Engineering (Series I)" from 24/03/2022 to 26/03/2022 exclusively for third year students. A heart-warming welcome was delivered by Dr.V.Kumar Chinnaiyan, Head of the Department. He conveyed the importance of skill development activity for the career growth. Dr.V.S.Chandrika AsP/EEE has delivered valuable presentation on MATLAB Simulink Toolbox for Power Electronics. She had presented the discussions on Learn how to use power electronics and transformers and vary circuit initial conditions. Model a static var compensator (SVC) using three thyristor-switched capacitor banks (TSC) and one thyristor-controlled reactor bank (TCR). Prof.C.Dinesh, AP (Sr.G) / EEE, has delivered valuable presentation Getting started with Fuzzy logic toolboxes. He had presented the discussions on Define membership functions and rules for fuzzy inference systems. Simulate and analyze fuzzy inference systems. Prof.P.Praveena, AP/EEE, has delivered valuable presentation Embedded Coder toolbox. She had presented the discussions on Configuration for code generation. Selecting targets. Working with custom data. Optimizing and packaging code. Dr.D.Sathishkumar AP(SI.G)/EEE, has delivered valuable presentation Power system simulation toolboxes. He had presented the discussions on It helps to develop control systems and test system-level performance. Can be integrate mechanical, hydraulic, thermal, and other physical systems into your model using components from the Simscape family of products. Prof.K.Balamurugan, AP/EEE, has delivered valuable presentation on Simulation of DC to DC Converter converters using MATLAB. He had presented the discussions on The DC-DC Converter block represents a behavioral model of a power converter. How to balance input power, output power, and losses, the required amount of power is drawn from the supply side. Dr.S.Ravindran, AP (SI.G)/EEE, has delivered valuable presentation State Space Modelling using MATLAB. He had presented the discussions on Perform linear analysis. Represent a linear time-invariant (LTI) model to perform control design. Combine with other LTI models to represent a more complex system. The Value Added Course provided some of the interesting insights about the toolboxes that will be useful for electrical engineering. The vote of thanks was delivered by the VAC Co-ordinator, Dr.I.Baranilingesan, AP (SI.G)/ EEE. There were 87 students attended the programme and got benefited. The department of EEE thanks the management for providing this opportunity to conduct the value added program successfully.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Organizes a Value Added Course on
MATLAB SIMULINK TOOLBOXES FOR ELECTRICAL ENGINEERING (SERIES-I)
(24.03.2022 to 26.03.2022)
Resource Persons

- Dr.V.S.Chandrika, Associate Professor/EEE**
Topic: MATLAB Simulink Toolboxes for Power Electronics
Date & Time: 24.03.2022, 09.00 AM to 12.30 PM
- Prof.C.Dinesh, Assistant Professor(Sr.G)/EEE**
Topic: Getting Started with Fuzzy Logic Toolbox
Date & Time: 24.03.2022, 01.30 PM to 04.30 PM
- Prof.P.Praveena, Assistant Professor/EEE**
Topic: Embedded Coder Toolbox
Date & Time: 25.03.2022, 09.00 AM to 12.30 PM
- Dr.D.Sathish Kumar, Assistant Professor(SI.G)/EEE**
Topic: Power System Simulation Toolboxes
Date & Time: 25.03.2022, 01.30 PM to 04.30 PM
- Prof.K.Balamurugan, Assistant Professor/EEE**
Topic: Simulation of DC to DC Converters using MATLAB
Date & Time: 26.03.2022, 09.00 AM to 12.30 PM
- Dr.S.Ravindran, Assistant Professor(SI.G)/EEE**
Topic: State Space Modelling using MATLAB
Date & Time: 26.03.2022, 01.30 PM to 04.30 PM

Convener Dr.V.Kumar Chinnaiyan
HoD/EEE

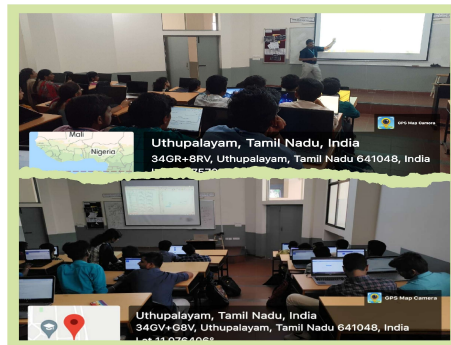
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Venue RE Lab/EEE

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