

ELECTRICAL AND ELECTRONICS ENGINEERING

Workshop on MATLAB and Electrical System Modeling using Simulink and Simscape

The Dept. of Electrical and Electronics Engineering Dept, MBC CET Peermade is organized a 3 days Hands on Workshop on **Matlab and Electrical System Modeling using Simulink and Simscape from 20-22 April 2022** for the benefit of Faculty and final year Electrical and Electronics Engineering students. The three days workshop covers Day 1 **MATLAB Fundamentals** Getting Started with MATLAB UI , Data Import-Export , Managing and Visualizing Matrices ,Writing programs with Branches and Loops, Automating Algorithm Development using MATLAB Day 2 **Power Electronics and Control** Introduction to Live Scripts, Introduction to Simulink, Introduction to Simscape, Modeling DC Motor, Motor Control Techniques and power converters. Day 3. **Power System Modeling using Simscape** Creating a simple three-phase RLC model, creating three-phase system with electrical machines, Creating inverter for three-phase load, Creating inverter for three-phase load, Modeling Photovoltaic Solar Panel, Modeling and Simulating Microgrid. All three days hands on sessions were conducted

Resource Persons



Mr. RAKSHITH B S

Senior Application Engineer for Mathworks

Mr. Rakshith B S is the Senior Application Engineer for Mathworks products at CoreEL Technologies, Bengaluru. He holds a B.E degree from GSSIT, Karnataka. He has 6 years of extensive experience in Technical Education. He is currently providing technical engagement and solutions to educational institutions as a part of CoreEl University Program. He has technical hands-on expertise in MATLAB and Simulink. He has technical hands-on expertise in MATLAB and Simulink. His area of interests are Image Processing, Computer Vision, Machine Learning and Deep Learning



Dr. CIJI PEARL KURIAN

Professor EEE Dept , MIT Manipal

Dr. CIJI PEARL KURIAN is currently working as professor, Electrical and Electronics Engineering Department, Manipal Institute of Technology, Manipal. She has 35 years of teaching experience, focussing on innovations in teaching and introduced simulation assisted teaching for Postgraduate and undergraduate elective courses. She has successfully guided eight research scholars at Manipal Academy of Higher Education and currently supervising three more students. She is a member of Professional Societies such as IEEE (Senior Member), Institution of Engineers (Fellow), Life member Lighting society, and Member of IET.





MATHLAB
WORKSHOP
 TRAINING SESSION
 VENUE: ELECTRICAL POWER SYSTEM LAB
 ON 20TH, 21ST, 22ND OF APRIL
RESOURCE PERSONS

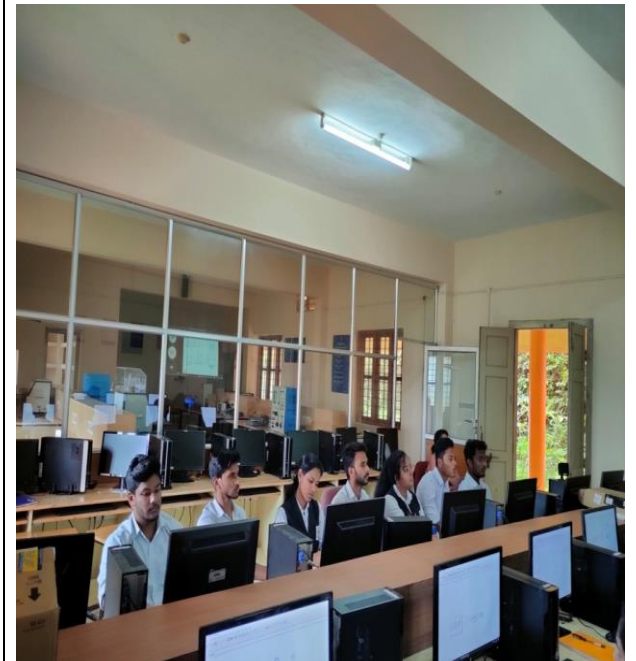


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Senior Application Engineer for Mathworks



Dr. CJI PEARL KURIAN
Professor EEE Dept., MIT Manipal

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Co-ordinator

Dr. V.I.George
 HoD EEE
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