



**PMC
TECH**
INSPIRE TO INNOVATE

**ER.PERUMAL MANIMEKALAI
COLLEGE OF ENGINEERING**
ACCREDITED BY NBA & NAAC WITH 'A' GRADE
Koneripalli, HOSUR 635 117.



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
IN ASSOCIATE WITH**



**Technical training on
"HYBRID POWER SYSTEM
Using MATLAB, MIPOWER Using Ki CAD"**



SANJANA S M

Innovation engineering projects
Hosur



IMMACULATE SUGANTHI T

Innovation engineering projects
Hosur

Date: 07.03.2024

Time: 9.00 am- 4.15pm

Six days Technical Training on “HYBRID POWER SYSTEM USING MATLAB MIPOWER USING KICAD


Report:

Six days Technical training on “Hybrid Power system using MATLAB, MIPOWER using kiCAD was conducted on 07.03.2024 & 09.00pm – 04.15pm at PMC Tech., Hosur Campus. This event has been organized by Department of Electrical and Electronics Engineering. It is has been conducted Offline mode to UG students of Er.Perumal Manimekalai College of Engg. Hosur. Ms.Sanjana.S.M and Ms.Immaculate suganthi.T from Innovation Engineering Product were the resource person and delivered special lecture and given hands-on training. In this training, resource persons discussed a model of an energy system based on photovoltaic and the electrical and the heat energy circuits and resulting flows. They explained about how to derive the main set of equations to the component properties and described the implementation into MATLAB/Simulink. The performance parameters were also discussed. By simulation using Simulink software, it can be seen whether the chosen component dimensioning and key parameters are suitable for guaranteeing off-grid operation. Therefore, the input parameters can be changed according to their own energy usage preferences and the designated location.

Around 60 UG students of PMC Tech., are participated in this Technical training. At the end of the session, students asked many queries and clarified their doubts. EEE Department/PMC Tech has arranged Computer Lab for attending the programme. The program ends with vote of thanks proposed by Dr.S.Mahendran, HOD,EEE/ PMC Tech. The Pre Final year students of EEE are participated and gained knowledge about Hybrid Power systems. Students get the “real world” experience of how to model an energy systems and implementation into MATLAB/Simulink. This Technical training is especially useful for students to empower their innovative skills in the future competitive world.





 **GPS Map Camera**

Nallaganakothapalli, Tamil Nadu, India
MXC8+XF9, Nallaganakothapalli, Tamil Nadu 635117, India
Lat 12.672333°
Long 77.966206°
04/04/24 03:14 PM GMT +05:30

