AN EXPERT TALK ON "DESIGN OF POWER CONVERTER USING MATLAB"

Event No	EE001
Organizing Department	Electrical and Electronics Engineering
Associate Dept. | NSC	Electrical and Electronics Engineering
Date	24/02/2024
Time	11:30 AM to 12:30 PM
Event Type	Expert Talk
Event Level	Dept. Level
Meeting Medium	
Meeting Link	https://meet.google.com/pvz-enxh-sgx
Total Participants	55
Faculty - Internal	1
Students - Internal	54

Related SDG

Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr K K Prabhakaran	Postdoctoral Researcher	Prince Sultan University, Saudi Arabia	g.saravanan@kpriet.ac.in	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Mohana Sundaram K	Convenor
2	Saravanan G	Coordinator
3	Pazhanimuthu C	Coordinator

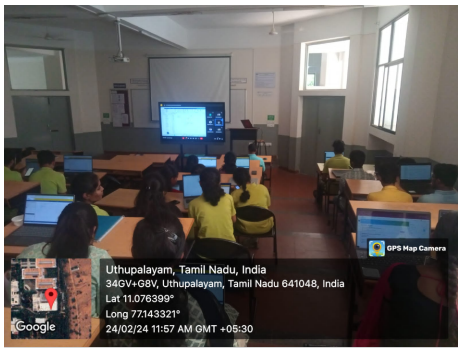
Outcome

Design of convertersSimulation of converters in MATLAB

Event Summary

The department of electrical and electronics engineering organised the expert talk on design of power converter using MATLAB. The gathering welcomed by Dr.A.Mohamed Ibrahim and gave the glimpse about session . The resource person delivered the different power converter topology viz buck converter, boost converter, Buck-boost converter, flyback converter, Half and Full bridge converter for electrical vehicle, solar PV applications . The challenges of design were discussed with participants and gave the insight into all the challenges. All the converters models were simulated in MATLAB R2021 version software. He conducted the online quiz during the presentation and made to think every question in design preceptive.Design of L , CSelection of converterSelection of ToolsSelection of Passive componentsAlso , the low power converter was addressed for electrical vehicle and solar PV system . The participants asked the various simulation tool for real time applications and internship opportunities during the interaction session. The speaker addressed all and the session ended with vote of thanks delivered by Girithar R . R. of III year .

Click to View



Click to View

Click to View

*** END ***