

Three-day Workshop

on

Power Electronics Applications in Renewable Energy by using MATLAB and IOT

(07-09, August 2019)

Inauguration of workshop

Welcome note by coordinator ,
Mr. GVSSNS Sarma, Faculty advisor,
IEI Student branch(Electrical)
followed by Keynote address by
Dr. G Ravindranath, HOD-EEE, and
Motivational speech by
Dr. D Hanumantha Rao, Principal,
MECS.

Fifty students from IV and III year EEE
have participated in the workshop.



Organized by

The Institution of Engineers (India) Students' Chapter (Electrical)

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Day-1

- ❖ Design of power electronic converter in open loop and closed loop (PID controller)
- ❖ Design of Multilevel Inverter based on Drive application
- ❖ Control of speed of DC motor using Fuzzy logic controller



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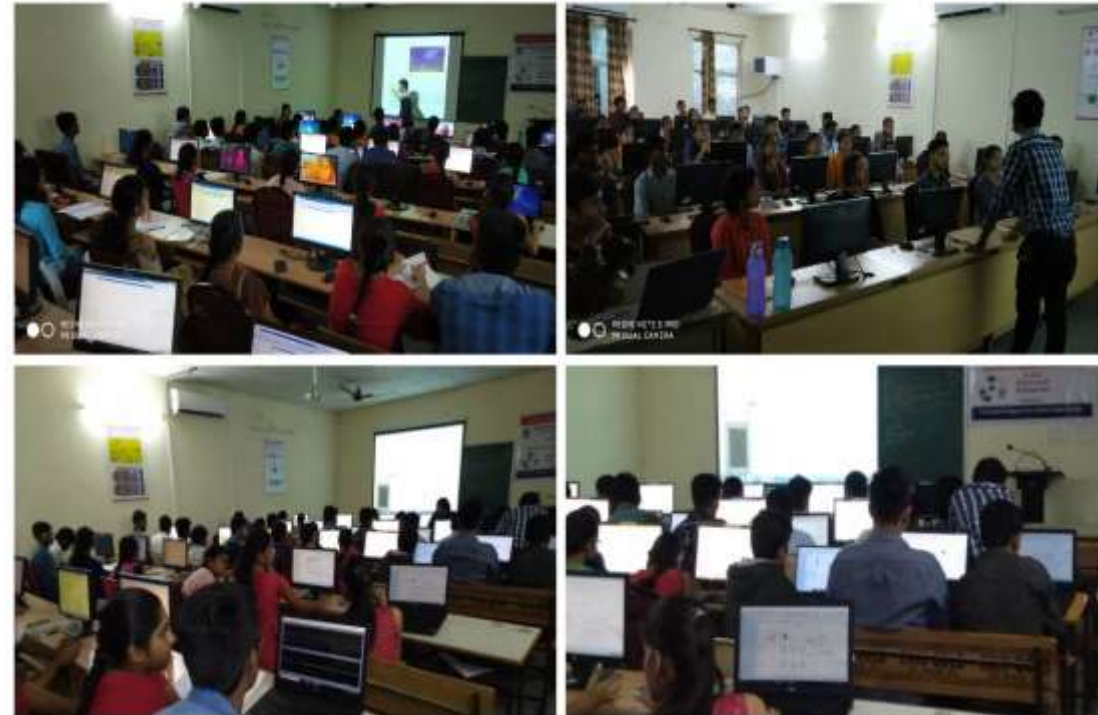
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Day-2

- ❖ Design of converters for Solar energy systems including MPPT controller
- ❖ Design of converters for Wind energy systems
- ❖ Control of Hybrid systems with power electronic converters



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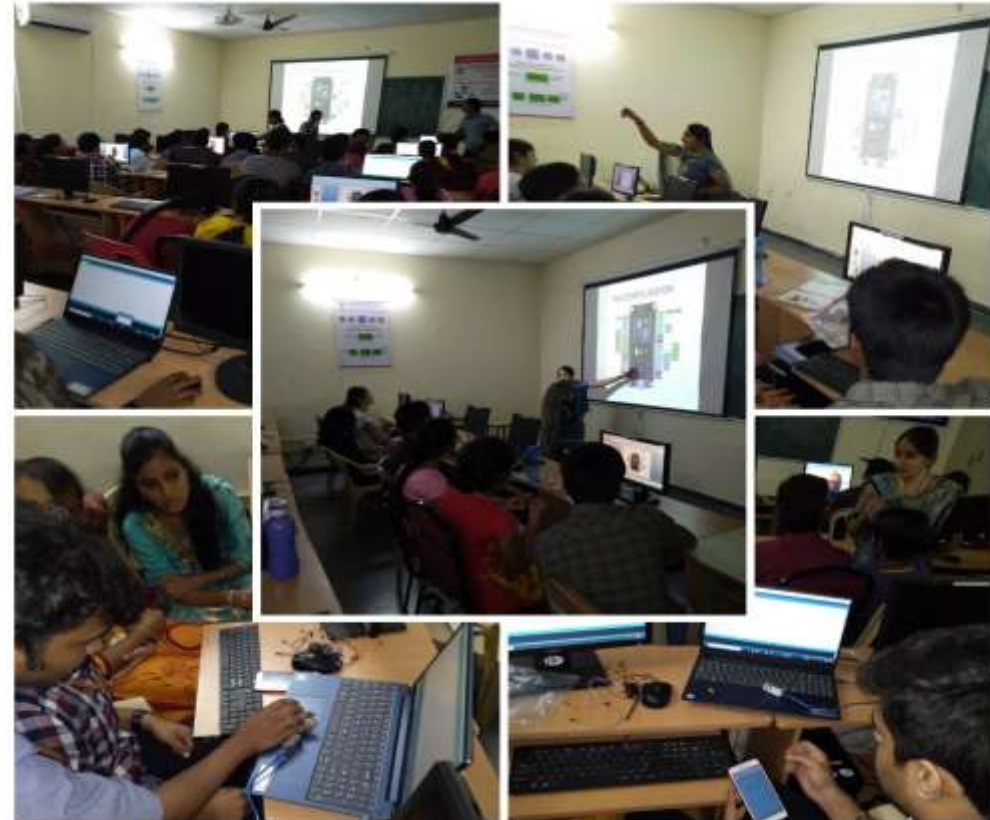
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Day-3

- ❖ Impact of IOT and Arduino controller- basics
- ❖ Webpage control of Electrical appliances (LED , Motor)
- ❖ Speed control of DC motor using IOT



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Valedictory Function

Students expressed their views on workshop by the way of oral feedback

Participation certificates are distributed to all students by HOD-EEE

Coordinator of the workshop proposed vote of thanks.



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