



ESTD : 1946



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Invitation

You are cordially invited for the inauguration of TEQIP III sponsored

Two-Day Workshop

on

*Real time simulation using
OPAL-RT Technologies*

for the Faculty & Post Graduate students of
Computer Applications in Industrial Drives
and Power Systems streams

on

21st and 22nd March 2018

Organized by

Department of Electrical and Electronics Engineering

With technical resource support by

Innovent Engineering Solutions Pvt. Ltd Bengaluru

**Venue: Computer Centre, NRN Block,
Dept. of E&E Engg., NIE, Mysuru-570 008**

Time: 10.00 am

**Dr.N Kumar
Hod-EEE**

**Coordinators:
Dr.R.Chidanandappa
Dr.H.Pradeepa
Dr.Kushal Manohar Jagtap**

**Department of Electrical and Electronics Engineering
The National Institute of Engineering**

Mananthavadi Road, Mysuru - 570 008

Programme Schedule

Resource person

1. **Karthik Rajashekaraiyah, Field Application Engineer – OPAL-RT Technologies, Bangalore.**
2. **Bharadwaj.R, Field Application Engineer – OPAL-RT Technologies, Bangalore.**

Day 1 21-3-2018	10:00 -11:00 am	Introduction to Real Time Simulation and Types of real time simulation
	11:00 – 1:00 pm	OPAL-RT solution for power electronics
	1:00 - 2:00 pm	Lunch break
	2:00 – 4:30 pm	Hands on session – generation of high resolution gating pulses for power electronics converters
Day 2 22-3-2018	10:00 – 10:30am	OPAL-RT solution for electric drives
	10:30 – 11:30am	Demonstration – closed loop speed control of induction/BLDC motor
	11:30 – 1:00 pm	OPAL-RT solution for Power Systems/Renewable Energy Integration
	1:00 – 2:00 pm	Lunch break
	2:00 – 3:30 pm	Hands on session – modeling and executing power system network
	3:30 – 4:30 pm	Demos – Microgrid model