



ADHI COLLEGE OF ENGINEERING & TECHNOLOGY

No.6, MunuAdhi Nagar, Sankarapuram, Near Walaiabad,

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ONE DAY WORKSHOP ON BASIC ELECTRONICS USING PROTEUS SOFTWARE

Guest Lecturer: Mr. Paramasivam IAmphere Power Solution Pvt.Ltd, Chennai.

Date: July 11th, 2017

Time: 09.00 a.m-03.30 p,m

Venue: Power Electronics Lab, EEE Dept.

Organizer: Mr.K. B. Bhaskar, Assistant. Prof., EEE

Attending students: EEE – II and III year.

OBJECTIVE OF THE WORKSHOP

- ✚ To enlighten the students with the basic idea about Electrical and Electronics oriented Software based Designing.
- ✚ To implement circuit designing using the Proteus software.
- ✚ To strengthen the students in Proteus

TOPIC COVERED

The following are the list of topics that will be covered in the workshop.

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 - Brief introduction about Elements
 - AC- DC Source, R, L, C Loads,
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 - Brief Introduction to Active and Passive Elements.
 - Resistor, Capacitor, Inductor.
 - Diodes, Transistors and Amplifiers
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 - Basics about Multi- meters and Inverters.

- ✓ Introduction about Software Based Designing
- ✓ Discussion about the simulation based advantages
- ✓ Introduction to Proteus Software- V7.7 SP2
 - Basics of Proteus Software
 - Working methods in Proteus
- ✓ Implementation of Basic Designs using Proteus
- ✓ Ohms Law,
 - Selection of Elements.
 - Execution
- ✓ Series & Parallel Connection
- ✓ Discussion about Power Consumption units and output devices
 - DSO
 - CRO
- ✓ Designing of Circuits.
 - LED Circuit
 - Rectifier Circuit
- ✓ Optional Topics
 - Replacing batteries with solar panels

PHOTO GALLERY



