



W M O Arts & Science College
PG Department of Electronics
Certificate Course on
Circuit Simulation and PCB Designing

No. of Hours : 30 Hrs

Target Group: D2 Electronics

Course Co-ordinator: Abdul Rasheed

Venue: Electronics Lab

Course Objective:

To bridge the gap between industry and academy by providing additional skills to the graduates.

Course Outcome:

On successful completion of the course, the participants shall be able to design circuits and create Printed Circuit Board as per the requirements using professional EDA tools.

Course Outline:

Introduction to Circuit simulation. SPICE, getting started with LT spice. Installation. Transient Analysis. AC analysis. DC Sweep, parametric study

Introduction to PCB, Creating Schematic Symbol. Introduction to Schematic Capture, Creating Foot Print, Generate Netlist. Placing Parts, Board Layout, Generating Gerber, Generating BoM. Etching PCB. Soldering and Testing

Course Co-ordinator : Abdul Rasheed

Head

Dept. of Electronics