



MALLA REDDY COLLEGE ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REPORT ON TWO DAY WORKSHOP ON PCB DESIGN

(16-10-2025 & 17-10-2025)

Department of ECE, MRCE in association with PHYSITECH ELECTRONICS, Hyderabad, organized a two day workshop on “PCB DESIGN” on 16-10-2025 and 17-10-2025. The PHYSITECH ELECTRONICS arranges the various kinds of Workshops on continuous basis to enhance student’s practical & technical skill and to make them compatible with industry.

The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment. PCB design software named EAGLE to make physical PCB at home, so that any student can make project on his own. Almost 112 students out of 129 from II ECE members of our college have participated in the workshop.

Following contents are covered in workshop:

- ✓ Schematic Design
- ✓ Component Footprint Design
- ✓ PCB Design & Routing
- ✓ Etching of PCB
- ✓ Soldering of Components on to PCB.

Mr.MD. Shareef, PHYSITECH ELECTRONICS, Hyderabad along with his team, have coordinated & executed 2-days of PCB Design workshop appreciably to make it successful to enhance student’s skill level. After attending this workshop students have expressed about their capability of Designing Special purpose PCB Of any Electronics Project. This workshop will be helpful for students for circuit development of their final year project.

On 16th October, 2025 the first session of expert talk started at 10:00AM by Mr.MD. Shareef. He started with introduction of PCB Designing, Benefits of the workshop and its applications.

The afternoon session of Hands-on started at 1:30. PM., They explained Schematic Design of

Circuit on software EAGLE, benefits of using EAGLE, and pointers to make precise schematic design.

On 17th October, 2025, The First session of expert talk started at 9:30 A.M. by Mr.MD. Shareef and team. They gave introduction of PCB Design & Routing, Etching of PCB, and Soldering of Components on to PCB.

The second session of expert talk started at 1:30 P.M. They explained about PCB Soldering procedure & do's and don'ts of making PCB. They also explained various circuits which can be used often by students and motivated students to keep designing such circuits.

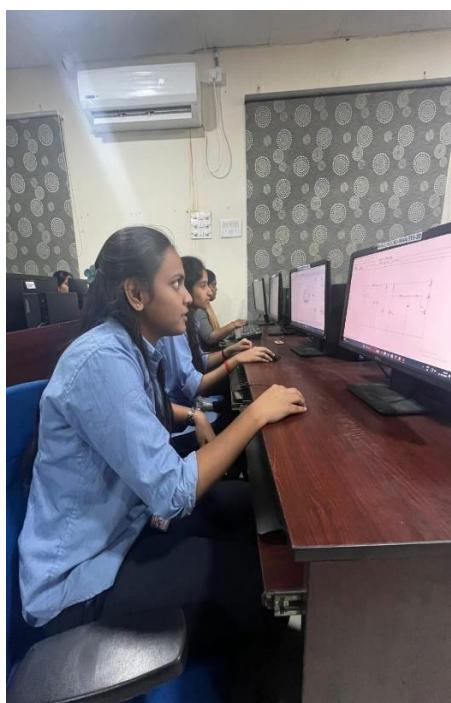
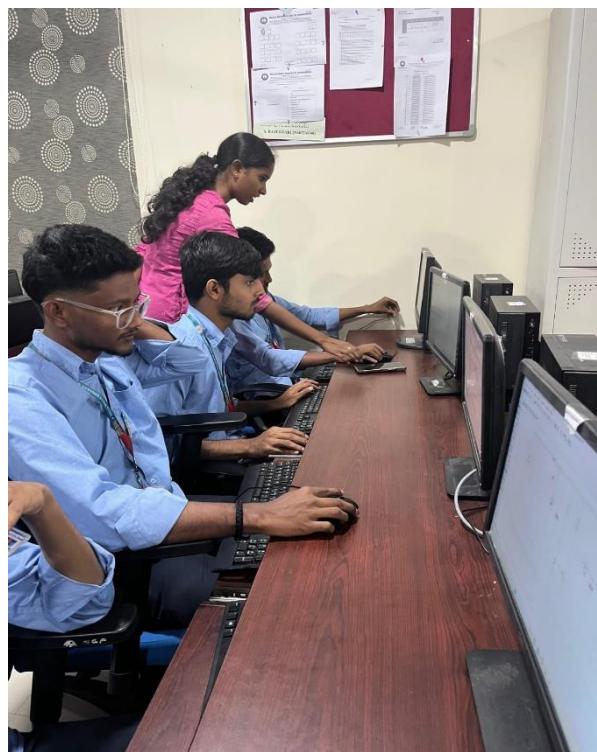
On the last day, a valedictory Session and certificate distribution started at 3.00 PM. Dr. M.Ashok, Principal, MRCE, Dr. P. Sampath Kumar, HOD-ECE, MRCE, Mrs.B.Madhavi, Associate Professor, ECE-Coordinators of the Workshop, Mrs. N. DivyaJyothi, Asst.Prof, Mrs.K.Maheswari, Asst.prof, Along with Mr.MD. Shareef and team of PHYSITECH ELECTRONICS. Feedbacks regarding workshop are provided by all students. All the students responded that they have learned and had hands on experience in designing a PCB. They were very excited about participation in this workshop and requested for more workshops in similar way so that they can simultaneously gain the practical knowledge.

Dr.M.Ashok, principal, MRCE, Dr. P. Sampath Kumar HOD-ECE awarded the certificates to all the participants by hand. They personally congratulated every student for participating in the event and making it successful.

Inauguration by Principal Dr.M.Ashok



SOFTWARE SESSION



HARDWARE SESSION





FEEDBACK FROM STUDENTS



CERTIFICATE DISTRIBUTION

