

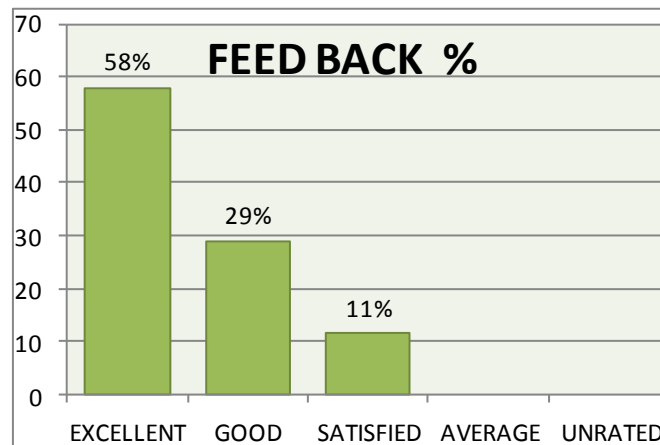
DEPARTMENT OF ELECTRONICS & COMPUTER ENGINEERING A REPORT ON PCB DESIGN WORKSHOP

The Dept. of ECM under the guidance of Embedded Systems Research Group organized a two day work shop on “**PCB DESIGN**” on January 24th and 25th. Total 197 students were registered for the workshop from ECM, ECE and EEE departments. The workshop focused on the following topics.

- a) Basic PCB concepts.
- b) Drawing the schematic
- c) Editing and routing.
- d) Creation of a library, Components.
- e) Report generation.
- f) Other software’s
- g) Manufacturing of circuit engraved PCB and testing the PCB

All the students got hands on experience on the above steps, also provided the PCB Design tool (**KI-cad**) and started utilizing the toll in designing the PCB for their project based labs. The resource persons are from PRAYOG LABS. Out of 197 participants 9 students were selected for the **EFY Certification on PCB Design** by EFY Tech Centre, New Delhi and 7 more students were recommended for EFY Certification which is a good value addition for these students.

FEED BACK ANALYSIS ON PCB DESIGN WORKSHOP



Student’s feedback on the workshop

Around 90% of student’s feedback:

1. Excellent workshop essential for electronic students
2. Its not workshop, it’s a learning shop
3. It is very good and very productive
4. Conduct this kind of workshop at least every year
5. It is good, we have acquired the practical knowledge of designing PCB

Around 10% of student’s feedback:

6. Printing circuit on PCB is not known completely
7. Good but software has to be explained more clearly.



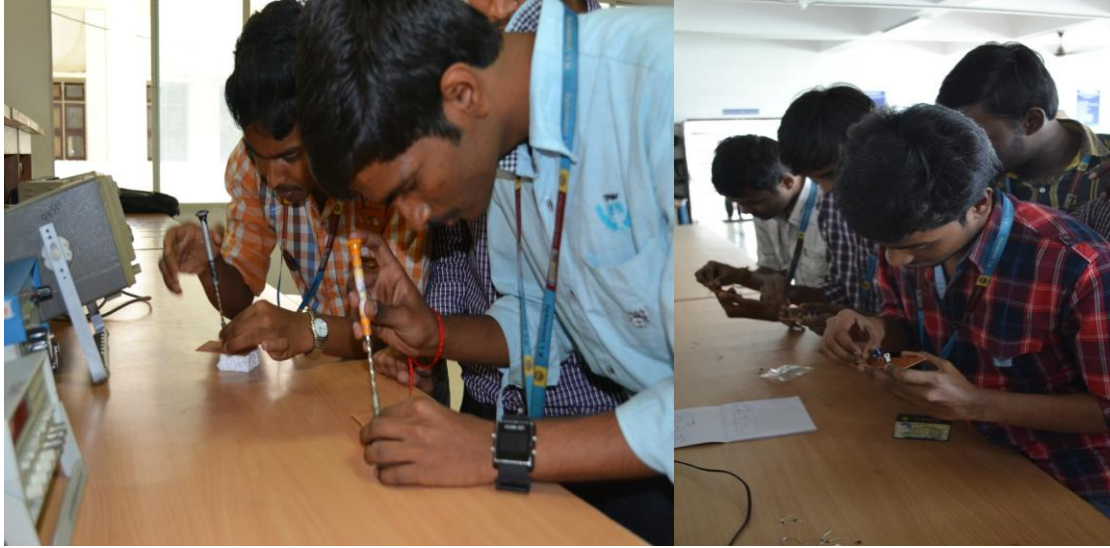
WORKSHOP ON PCB DESIGN



STUDENTS LEARNING AND DESIGNING PCB LAYOUT USING KICAD TOOL



ETCHING OF PCB BY STUDENTS



DRILLING AND PLACING THE COMPONENTS ON PCB BY STUDENTS



DRILLING AND PLACING THE COMPONENTS ON PCB BY STUDENTS



SOLDERING THE COMPONENTS ON PCB BY THE STUDENTS



TESTING THE PCB BY THE STUDENTS

The faculty Associated with the Workshop:

ADVISORY COMMITTEE

Prof. N. Venkatram, HOD, ECM
Dr. A. S. C. S. Sastry, HOD, ECE
Dr. V. Srikanth, HOD, CSE
Dr. M. Venu Gopal Rao, HOD, EEE
Prof. M. Suman, Asst. registrar
Prof. S. Venkateswarlu, Coordinator, FED
Dr. S. Balaji, Professor, ECM
Dr. J. K. R. Sastry, Professor, CSE
Dr. K. Raghavarao, Professor, ECM

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Mr. M.Venkateswara Rao, Asst. Professor ECM
Mr. K. Ravi Kumar, Asst. Professor ECM

CONVENER

DR. K.SREENIVASA RAVI
Professor, Dept of ECM