









For details contact Swetha - 7339573322 Abinaya - 9840311628

SRI VENKATESWARA COLLEGE OF ENGINEERING IEEE STUDENT CHAPTER

18/10/2020

PCB DESIGN AND FABRICATION WORKSHOP REPORT

The IEEE Student Chapter in association with Array Coaching organized a one-day workshop on 'PCB DESIGN AND FABRICATION' on the 18th of October, 2020. The workshop was structured to gather input and insights from experts about PCB's from the scratch.

This report provides an overview of the workshop, background information, a summary of presentations and discussions.

The workshop started with a key member of array coaching- Ms. Soundarya Lakshmi Narayanan, giving a remarkable introduction, outline of agenda followed by a brief explanation on the basics and different stages involved in PCB designing. Questions were posed to the participants of the workshop which was answered by them in flicker of seconds. Then a step by step elucidation of eagle software, its installation, libraries and tools and also a paragon to create a project was given.

Then the workshop was taken over by Mr. Jyothiraditya R who started with the 1st project of the workshop which was engrossing to all the participants. He threw light on Ms. Soundarya 's explanation and demonstrated 3 specific projects, which helped the participants to get a clear view of designing PCB's using eagle software. The first project was based on designing a 555 Timer IC. The second project was based on designing the popular Arduino UNO Board. The final project was based on designing an IR Sensor. All the design projects were clearly explained and demonstrated right from basic circuit design to the final PCB Layout.

Towards the end of the session, Mr. Jyothiraditya threw some light on the manufacturing of complex PCBs such as double layer and triple layer and also, he mentioned a few of the most enterprising manufacturers in the country. He also showed few of his custom design PCBs which he had used in his projects.

The event concluded by the revelation of a PCB Deigning contest. The schematic design chosen for the contest is: USB TO TTL CONVERTOR. The winners were announced based on the design efficiency and time of submission on 25/10/2020 on our social media handles.

Text and video materials of all the topics covered, being the biggest take away of the event was uploaded in the Google drive to which the participants were given access.

Overall, this unique workshop with its creative approach was smoothly conducted and was highly interactive and received great applause from both the faculties and the participants.

Program Level: Inter-college event

Program Type: Workshop

Name of the program/Training: Workshop on PCB Design and Fabrication

Name of the Institute: Sri Venkateswara College of Engineering

Venue: Google Meet

Date: 18/10/2020

Duration: 1 day

Total No. of participants: 78

Internal Participants: 74 (SVCE)

External Participants: 4

- (1- PANIMALAR COLLEGE OF ENGINEERING,
- 1- ST. JOSEPH'S COLLEGE OF ENGINEERING,
- 2- MISRIMAL NAVAJEE MUNOTH JAIN ENGINEERING COLLEGE)

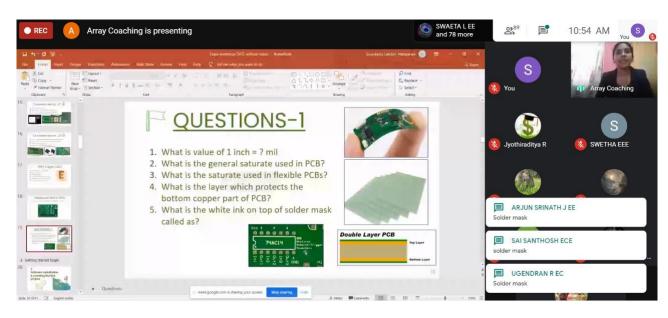
Cost per head: Rs.150

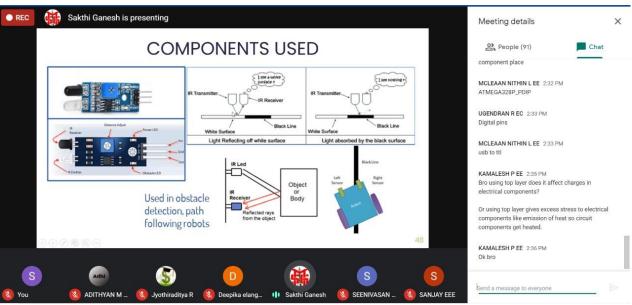
Amount Collected: 78 * 150 = Rs.11,700

Amount Paid to Array Coaching: Rs.11,700

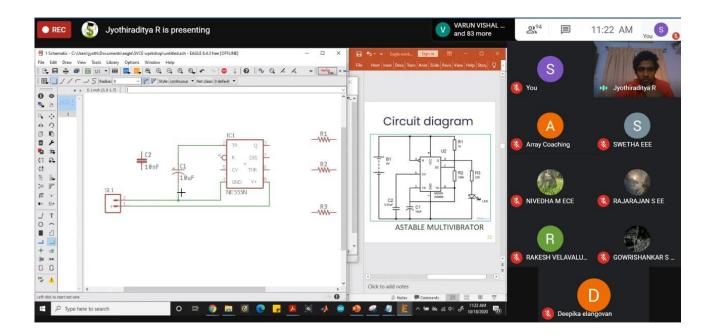
Professional body: Array Coaching

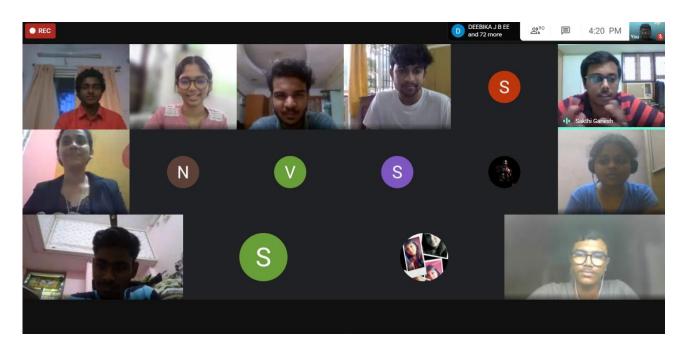
GLIMPSES OF THE EVENT













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