

Report on Hands-On Workshop: Crafting Mini Projects with General Purpose PCBs and Self-Soldering” organized by Department of Electronics and Communication Engineering in association with IETE Student Forum

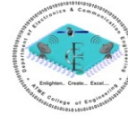
Department of ECE association with IETE Student Forum organized 3-days workshop on PCB Assembly and Soldering process with simulation of circuits using EDA tools for 3rd semester students. Totally 101 students attended the workshop.

Objective:

To understand the need for PCB components Assembly and steps involved in fabrication process. And to build their own projects and develop models.

Schedule:

Sl. No.	Date	Time	Events	Resource Person with designation
1	5-02-2024 Day1	9:30am-10am	Inauguration	Technical team
		10am-12:30pm	Introduction to Soldering Technique	
		2pm-4:30pm	Basic Soldering	
2	6-02-2024 Day2	9:30am-12:30pm	Modelling of Project 1	
		2pm-4:30pm	Modelling of Project 2	
3	7-02-2024 Day3	9:30am-12:30pm	Modelling of Project 3	
		2pm-4:30pm	Evaluation and Valedictory	



Day-1: 6/2/2024: Dr. Keshav Murthy Principal of ATMECE inaugurated the workshop by addressing the students about the importance of Electronic Circuit Design in present competitive world and importance of PCB design. Followed with it Mr. Abhinandan V and Mr. Manjunath H R demonstrated the EDA tool. In the afternoon, technical team gave the demonstration on Soldering techniques.

Day-2: 7/2/2024: Technical Team assigned project 1 and 2 to all the students. By the end of the day, students demonstrated their projects to event coordinators.

Day-3: 8/2/2023: Event coordinators instructed students to prepare report for the project they have done in the previous day. Around 12.00 PM all the students' projects were evaluated by jury members and winners and 2 runners were finalized. At 3.00 PM, Valedictory function commenced, Dr. Govinde Gowda, Academic Dean, Dr. Sachidananda Murthy, Administrative Officer, Dr. Keshava Murthy, Principal, ATMECE, Dr. Basavaraj L, IQAC Director, HOD, Dept. of ECE, Dr. Prakash Kuravatti, Asso. Professor, Dept. of ECE were present. Prizes were distributed to winners and runners. Thanked all the technical team for their endless support in completing this 3-days workshop.

The Technical Teams members are as follows

1. Mr. Manjunath H R
2. Mr. Somasundara S
3. Mr. Srikanthmurthy B
4. Mr. Jayaprakash Narayana
5. Mr. Abhinandan V A
6. Mr. Karunakara Babu

The glimpse of workshop is as shown below

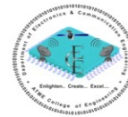




A T M E
College of Engineering

Department of Electronics & Communication Engineering

(Accredited by NBA, New Delhi. Validity 01.07.2022 to 30.06.2025)



01, Malavalli - Mysore Rd, Mysuru, Karnataka 570028, India

Latitude
12.3134985°

Longitude
76.7680972°

Local 03:01:39 PM
GMT 09:31:39 AM

Altitude 722 meters
Monday, 05.02.2024



8Q8C+49P, MELAHLLI, Mellahalli, Karnataka 570010, India

Latitude
12.3145675°

Longitude
76.7707305°

Local 03:49:58 PM
GMT 10:19:58 AM

Altitude 718 meters
Wednesday, 07.02.2024



8Q8C+49P, MELAHLLI, Mellahalli, Karnataka 570010, India

Latitude
12.3145891°

Longitude
76.7706147°

Local 12:04:04 PM
GMT 06:34:04 AM

Altitude 718 meters
Wednesday, 07.02.2024





The sample certificate is as follows



Outcome: The students will be able to:

- Analyze the value of PCB design in industry.
- Identify single-layer and multiple-layer PCB.
- Create, fabricate, and evaluate PCB.

The poster is as attached:



ATME
College of Engineering

Department of Electronics & Communication Engineering, ATMECE
in association with
IETE Student Forum jointly
organizing a
Hands-On Workshop
on

CRAFTING MINI PROJECTS WITH GENERAL PURPOSE PCBs AND SELF-SOLDERING

Date: 5th – 7th February 2024
Time: 9:30 AM – 4:30 PM
Venue: Dept. of Electronics and Communication

Workshop Schedule

Sl. No.	Date	Time	Events	Resource Person
1	05-Feb-2024 Day 1	9:30am – 10am 10am – 12:30pm 2pm – 4:30pm	Inauguration Introduction to soldering Technique Basic Soldering	Technical Team
2	06-Feb-2024 Day 2	9:30am – 12:30pm 2pm – 4:30pm	Modelling of Project 1 Modelling of Project 2	
3	07-Feb-2024 Day 3	9:30am – 12:30pm 2pm – 4:30pm	Modelling of Project 3 Evaluation and Validation	

Resource Person
Technical Team

Program Convenor
Dr. A.K. Murthy
Principal
ATMECE, Mysuru

Co-Convenor
Dr. Basavaraj L.
HOD, Dept. of ECE,
ATMECE, Mysuru

Event Coordinators
 Ms. Anupama Shetter
Asst. Prof., Dept. of ECE
 Mr. Girish M
Assistant professor, Dept. of ECE
 Mrs. Keerthi A Kumbar
Asst. Prof., Dept. of ECE
 Mrs. Juslin F
Assistant professor, Dept. of ECE

Technical Team
 Mr. Manjunatha H R
Foreman, Dept. of ECE
 Mr. Somasundara
Instructor, Dept. of ECE
 Mr. Srikantmurthy B
Instructor, Dept. of ECE
 Mr. Jayaprakash Narayana
Instructor, Dept. of ECE
 Mr. Abhinandan V A
Instructor, Dept. of ECE
 Mr. Karunakara Babu
Instructor, Dept. of ECE

Participants: 3rd Sem Students of Dept. of ECE ATMECE

Event coordinators :

Mrs. Keerthi A Kumbar
 Ms. Anupama Shetter
 Mrs. Juslin F
 Mr. Girish M

HOD signature