

## **LED BULB MAKING WORKSHOP**

**Date:** 09/08/2025

**Time:** 10:00 AM – 5:00 PM

**Venue:** College of Engineering Trivandrum

**Organized by:** IET On Campus CET

**Participants:** 24 (including students from CET and other institutions)

The IET On Campus CET organized a one-day LED Bulb Making Workshop aimed at providing hands-on experience in LED fabrication, repair, and maintenance. The workshop attracted participants from both within the college and outside, creating a diverse and enthusiastic learning environment.

The session began with the instructor introducing the fundamentals of energy-saving technologies and the basic principles behind LED bulb operation. Participants were familiarized with the essential components and tools required for LED assembly, using specially provided kits. Guided by the instructor, they successfully assembled their own LED bulbs and tested their creations, gaining first-hand insight into the fabrication process.

Following the assembly session, the workshop moved on to electrical safety awareness. The instructor demonstrated methods of recovery in case of electric shocks, including pulse checking and CPR techniques, ensuring participants understood the importance of safety when working with electrical devices.

The next segment focused on LED repair techniques. Attendees had been asked to bring damaged LED bulbs, which they disassembled, diagnosed, and repaired under the guidance of the instructor. This hands-on activity not only built technical competence but also boosted problem-solving skills.

In the concluding part of the workshop, the instructor discussed the scope of LED fabrication and repair as a business model, explaining the potential profitability, market demand, and sustainability aspects. This business-oriented perspective inspired participants to consider LED-related ventures as a viable career or entrepreneurial option.

The workshop wrapped up with a vote of thanks and feedback collection. The feedback was overwhelmingly positive, with participants appreciating the instructor's friendly and clear teaching style, the well-structured hands-on sessions, and the rare opportunity to gain such practical skills in a single-day workshop. Many highlighted the excellent coordination and supportive environment created by the organizers.



## Attendees

Full Name	Contact Number (WhatsApp preferred)	College	Department	Year of Study
Pranav UL	8848695185	College Of Engineering Trivandrum	Applied Electronics & Instrumentation Engineering	2
ALFIA RIZWI FATHIMA T M	9746472889	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Mithra S	6238402235	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Fuad Fysal	7907400308	College Of Engineering Trivandrum	Computer Science & Engineering	2
Navya Krishnan	8086492525	College Of Engineering Trivandrum	Electrical & Electronics Engineering	3
B HARDEEP	6238784207	College Of Engineering Trivandrum	Electrical & Electronics Engineering	3
K S MADHAV KRISHNA	8943930856	College Of Engineering Trivandrum	Electrical & Electronics Engineering	3
Aswathy J H	9605171449	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Fathima Rashid	8139032708	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Ganesh V R	7736304838	College Of Engineering Trivandrum	Electrical & Electronics Engineering	1
Niranjan V Sankar	9037121488	College Of Engineering Trivandrum	Computer Science & Engineering	1
Devaraja S	8301019078	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Akshay K V	7907826618	College Of Engineering Trivandrum	Computer Science & Engineering	4
Jasmina Thamarasseril	9419012224	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Gana Gangadharan	8921709628	College Of Engineering Trivandrum	Civil Engineering	2



Fathima. N. S	8714243875	College Of Engineering Trivandrum	Civil Engineering	2
Abhijith NV	7012747930	College Of Engineering Trivandrum	Electrical & Electronics Engineering	2
Navagra B N	8590576102	College of engineering, Attingal	Electrical & Electronics Engineering	1
Vighnesh v	9895437743	GEC Barton Hill	other	1
Vighnesh V	9895437743	Govt Eng College Barton Hill	other	1
Anuroop M K	9074554024	Mar Baselios College of engineering(MBT)	Electrical & Electronics Engineering	1
Evan Elkan Earnest	8136934509	Marian Engineering College	Computer Science & Engineering	1
Krishna A S	8590339806	Marian Engineering College	Electrical & Computer Engineering	1
Aadarsh PS	8891912001	Marian engineering college	Electrical & Computer Engineering	1
Alfiya.s.a	7356429808	Marian engineering college	other	1
Fahad. A	9605818558	Marian engineering college kazhakotam	other	1
Anand Nair L K	6238760041	Marian Engineering College Thiruvananthapuram	Electronics & Communication Engineering	1
Neha J	9061608701	Marian Engineering College, Kazhakkuttam, Thiruvananthapuram	Computer Science & Engineering	1
Sreedarsh K G	6238254878	TOC H INSTITUTE OF SCIENCE AND TECHNOLOGY	Electrical & Electronics Engineering	3
MUHAMMED FAHAD KM	7025349380	TOC H INSTITUTE OF SCIENCE AND TECHNOLOGY	Electrical & Computer Engineering	3
Susan Peter	9074030513	Toch Institute of Science and Technology	Electrical & Computer Engineering	3
Jany Sumesh	8136953130	Toch Institute of Science and Technology	other	3