



SREE SANKARA VIDYAPEETOM COLLEGE, VALAYANCHIRANGARA

Report of Workshop on LED Star Making

Programme Details in a nutshell	
Name of the Event	Workshop on LED Star Manufacturing
Nature of the Event	Skill Development Programme
Objectives	The primary objective is to provide students with a comprehensive understanding of LED (Light Emitting Diode) technology and its applications. Students should gain hands-on experience in manufacturing LED stars, including soldering, surface mount technology (SMT), PCB (Printed Circuit Board) design, and assembly
Resource Person	Dr. Dhanya N P, Assistant Professor, Department of Physics KKTU Government College
Date and Time	14/12/2022,10am
Duration	1 day
Beneficiaries	47 Students
Venue or Platform	Physics Lab
Organising dept/ Cell	Department of Physics
Coordinator	Dr. Bindhu K R, HoD, Department of Physics
Outcome/ Benefit of the programme	Participants gained a comprehensive understanding of LED technology and its applications, enabling them to apply this knowledge in practical settings. Students developed hands-on skills in soldering, PCB design, and LED assembly, which are essential for LED star manufacturing

Detailed Report of the Programme

The workshop aimed to enhance the practical skills and knowledge of students in the field of LED technology and its applications. The following is an overview of the workshop's objectives, activities, and outcomes.

Objectives:

- To provide students with a comprehensive understanding of LED technology and its working principles.
- To develop practical skills in LED star manufacturing, including soldering, PCB design, and



assembly techniques.

- To familiarize students with industry-standard practices and safety protocols in LED manufacturing.
- To encourage teamwork, collaboration, and innovative thinking in the field of LED technology.

The workshop began with an introductory session on LED technology, covering topics such as the working principle, types of LEDs, and their applications in various industries. Students were provided with hands-on training in LED star manufacturing. This included practical sessions on soldering techniques, surface mount technology, PCB design using software tools, and LED assembly on the PCB. The workshop also focused on quality control and testing methodologies. Students learned about the importance of quality management systems, inspection techniques, and testing procedures to ensure the reliability and performance of LED stars. Emphasis was placed on safety precautions and ESD protection measures. Students were educated on the risks associated with working with electrical components and how to mitigate them. The workshop on LED star making organized by the Department of Physics at SSV College was a resounding success, providing students with valuable practical skills and knowledge in LED technology. The participants benefited from the hands-on training, industry insights, and collaborative activities conducted during the workshop. We believe that such initiatives will continue to inspire and prepare students for successful careers in the field of LED manufacturing.

Photo gallery





PARTICIPANTS (ATTENDANCE REGISTER)



WORKSHOP ON LED Star Manufacturing

14/12/2022

Pillayanduru School

Name	Department	Signature	Phone No.
1. Praveen Raj K.R	1st year BSc Phy		9746714700
2. Lakshmi Suresh	1st year physics		9072559593
3. Nandana Sadanandan	1st year physics		9718218051
4. Mirzel Shiraz	" "		7999371557
5. Subhadra Devi V	" "		9037289544
6. Adarsh	" "		7736584461
7. Jaya Jai S	" "		9947150892
8. Rohit Mohroob	" "		7907688968
9. Parvathy P.M	1st year Bsc Chemistry		8547596077
10. Sivapriya K.A	"		
11. Akshaya A.K	"		7510800130
12. Adithya Shagi	"		7306588553
13. Adithyan Boya Baija	"		9048295147
14. Sabin K.S	"		8590180169
15. Joshua Prasanna	"		8137972760
Parvathy P.M	11th Year Bsc chemistry		9605027925
Anandalakshmy.T.S	"		9746963681
Anagha Ashokan	"		9567547283
Nandana Manoj	"		97746940551
Shabna Ali	"		8089549769
Nitha ASOK	"		9605869597
Alfiya SA	"		8848871767
Groutharoi PR	"		7034213397
Fathima Parvin	"		9544085621
Sarjay Vinu	"		9497623241
NIKHIL KJ	"		



27.	Anoop D			7306681002
28.	Steradev v.s			8995857241
29.	Kalidasan K.N	Bsc-chem		7902572868
30.	Jishnu Jayan			9074414643
31.	krishnaprasad PV			9895986084
32.	Pranav E.P			9961940621
33.	Jayalakshmi TJ			7994180906
34.	ASwani Raju			9567720858
35.	Rabed H			7736481170
36.	Akhay Ranjan	B.A ECONOMIC		9072058712
37.	Vikas krishna	" "		7034923486
38.	Sona Gabriel	" "		905214834
39.	Ajith mohar	" "		7034556737
40.	Vashta Sudhi	" "		8089230882
41.	Ariga T.N	" "		8086178196
42.	Nandana P.V	" "		859399588
43.	Kiran.Nim	" "		9778343408
44.	Amal Sarthosh	" "		9718046055
45.	Ramunand G.U.	" "		85473237
46.	Sreelalshmi Rajan	" "		6282212117
47.	Sarin Sabu	" "		7736861375



POSTER / BROCHURE

Department of Physics
Sree Sankara College Valayanchirangara
association with KKTm College, IIC and
Science Forum
Workshop on
LED STAR MNAUFACTURING



Venue: P N N Hall
Date: 14/12/2022
Time 10 am to 1 pm
as part of Energy Conservation day Celebrations

Dr. Dhanya N P
Asst. Professor
Department of Physics
KKTm College Kodungalloor

Organising Committee
Dr. Sheena Kaimal N, Principal
Dr K R Bindu, HOD
Smt. Sumi K S, Convenor of IIC
Dr Sreebha A B and Dr. Anila S, Faculty of
Physics

PROFILE OF RESOURCE PERSON

Dr. Dhanya N P, Assistant Professor,

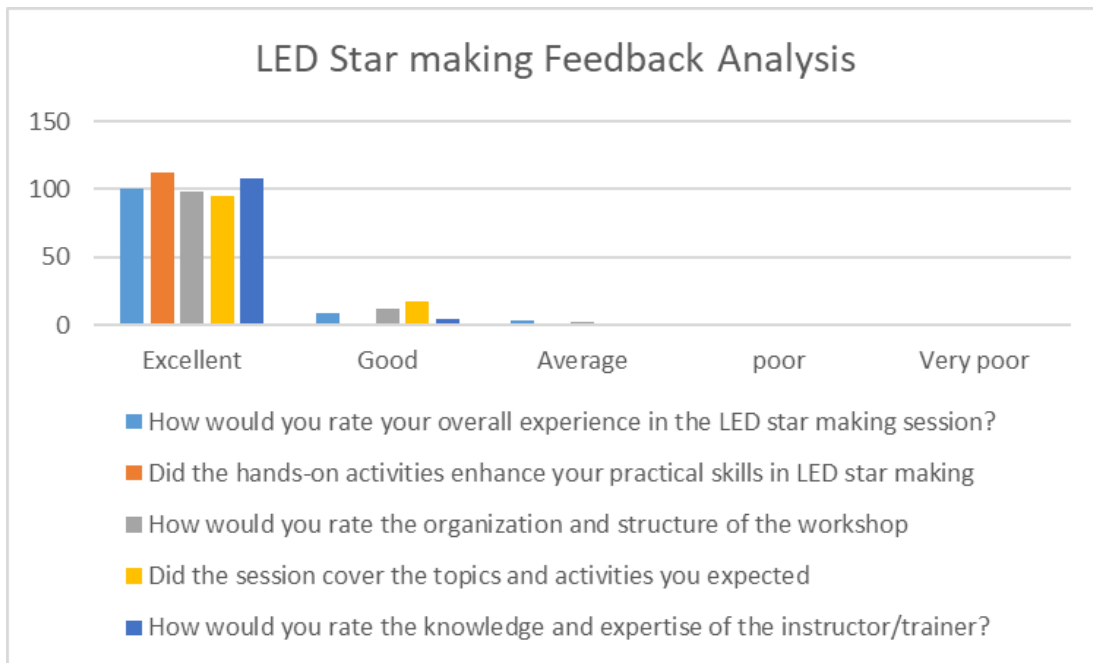
Department of Physics

KKTm Government College

http://govtkktmcollege.ac.in/?page_id=193



FEEDBACK ANALYSIS



PRINCIPAL
SREE SANKARA VIDYAPEETOM
VALAYANCHIRANGARA P.O
(VIA) PERUMBAVOOR

Signature of the Principal

