



S.N.M COLLEGE MALIANKARA

(Affiliated to Mahatma Gandhi University, Kottayam)

1. Title of the programme : Workshop on “LED bulb making”

2. Name of the Coordinator : Mr. Sunil Kumar C P

3. Organizing Department/Cell: Department of Physics and NSS unit SNMC

4. Date : 15th March 2019

5. Number of participants: 37

6. Venue: B.Sc Physics Lab

7. Resource Person: Mr. Sabir, Operator Engineer, KSEB, Malappuram

8. Objective of the programme :

1. To train the students in assembling and repairing LED bulbs and thus help them become trainers who can subsequently train others to become self reliant in the field of energy efficiency.

2. To make people realize the importance of energy saving devices such as the use of LED bulbs in their daily lives.

9. Detailed description of the event:

Workshop on LED bulb making was conducted by Department of Physics in association with NSS unit of SNMC on 15th March 2019 at B.Sc Physics Lab at 10:00 am. Mr. Sunil Kumar C P, Assistant Professor, Department of Physics was the programme coordinator. The workshop is conducted as an extension activity as part of village adoption program. The resource person, Mr. Sabir, operator engineer, KSEB, Malappuram handled the training session. Students, faculties, kudumbasree workers and public were the target participants. Students were given training on the manufacture and repair of LED bulbs. All the participants learnt the use of the electronic tools like soldering iron, soldering wax, soldering wire, Diode, Resistance, Capacitor, PCB etc. They made more than 50 low-cost seven watt LED bulbs and these LED bulbs were sold among staff and other local people for free. There were nearly 37 participants.

10. Outcome of the event/Evaluation by programme Coordinator: The technical session on LED bulb manufacturing and repairing was very effective in creating awareness on using LED bulbs as part of energy conservation. The resource person explained various electronic & electrical components, materials, and their specific properties & usages. He also explained the special safety and handling precautions to be taken during LED luminary testing. The theoretical session and the hands on training session under the resource person were very useful for the students. They actively participated in the session and cleared their doubts with the resource person. The course developed an entrepreneurial mindset among the

students. It also boosted the skill development credibility and improved the ability of the students in repairing electrical components used in day-to-day life. At the end of the training session, students were able to assemble and repair an LED bulb on their own. Participants evaluated the session as an informative and effective learning experience.

Brochure

S N M COLLEGE MALIANKARA

DEPARTMENT OF PHYSICS

LED ബൾബ് നിർമ്മാണ ശില്പശാല

പ്രിയപ്പെട്ടവരെ,

ഒരു ഗ്രാമ പദ്ധതിയുടെ ഭാഗമായി S N M കോളേജിലെ ഫിസിക്സ് അസോസിയേഷനും, NSS യൂണിറ്റും ചേർന്ന് ഗ്രാമവാസികൾക്കും, വിദ്യാർത്ഥികൾക്കും, കുടുംബശ്രീ യൂണിറ്റിലെ അംഗങ്ങൾക്കുമായി LED ബൾബ് നിർമ്മാണ ശില്പശാല ഫെബ്രുവരി 26, 2020 ന്, 10 മണിക്ക് ഫിസിക്സ് ഡിപ്പാർട്ട്മെന്റിൽ വെച്ച് നടത്തുവാൻ തീരുമാനിച്ചിരിക്കുന്നു. അധ്യാപക അന്യോപകര്യപ്പെടെ താൽപര്യമുള്ള ഏവരെയും ഈ ശില്പശാലയിൽ പങ്കെടുക്കുവാൻ സാദരം ക്ഷണിച്ചുകൊള്ളുന്നു.

എന്ന്

Dr. ജിജു P.P

HOD, ഡിപ്പാർട്ട്മെന്റ് ഓഫ് ഫിസിക്സ്

ശ്രീ. C.P സുനിൽ കുമാർ

NSS പ്രോഗ്രാം ഓഫീസർ

Dr. ഊർജിള K.S

കൺവീനർ ഫിസിക്സ് അസോസിയേഷൻ

Photos



List of participants

Workshop on "LED bulb making"
 organized by
 Department of Physics and NSS UNIT SNMC
 Date: 15th March 2019, Time: 10:00am, Venue: BSc Physics Lab

Sr. No.	Name	Department	Signature
1	Pavanelli R.B	Physics	[Signature]
2	Kishanrao A.S	"	[Signature]
3	Ayana Tolston	"	[Signature]
4	Dhanika Xavier	"	[Signature]
5	Jyoti V.D.	"	[Signature]
6	Nandana C.P.	"	[Signature]
7	Srinivasulu K.P.	"	[Signature]
8	Mangana P.V	"	[Signature]
9	Anelnya rocha	"	[Signature]
10	Pragya I.N	"	[Signature]
11	Arunika MP	"	[Signature]
12	Jyoti K.S	"	[Signature]
13	Arunika K.M	"	[Signature]
14	Hareetha Saha	"	[Signature]
15	Vijayalakshmi D.	"	[Signature]
16	Ashwini D.R	"	[Signature]
17	Pratik C. Mahand	"	[Signature]
18	Kishan Venan K	"	[Signature]
19	Sneha N. Anand	"	[Signature]
20	Srujan Datta	"	[Signature]
21	Devi Jyoti P	"	[Signature]
22	Pratik K.S	"	[Signature]
23	Srujan Kandan T.B	"	[Signature]
24	Jyoti George V	"	[Signature]
25	Pratik K.S	"	[Signature]

Sr. No.	Name	Department	Signature
26	Abhishek V. Ven	Physics	[Signature]
27	Siddhant C.S	"	[Signature]
28	Pratik C.S	"	[Signature]
29	Usha Srinivasan	"	[Signature]
30	Hareetha K.S	"	[Signature]
31	Pratik C.S	"	[Signature]
32	Pratik Kandan	"	[Signature]
33	Pratik C.S	"	[Signature]
34	Krishna D.K. M.	"	[Signature]
35	Pratik C.S	"	[Signature]
36	Pratik C.S	"	[Signature]
37	Pratik C.S	"	[Signature]