



## **STUDENT SOLAR AMBASSADOR WORKSHOP**



INDIAN INSTITUTE  
OF TECHNOLOGY  
**PALAKKAD**

## Student Solar Ambassador Workshop

Electronics Lab with a capacity of 60 people was identified as the venue for conducting the workshop. Posters were printed and put up on the institute notice board. Banners with the event details were hung in front of the academic block of the institute. A manual was prepared with instructions in English and Malayalam showing the steps of the lamp assembly. Feedback forms were prepared for students and teachers. Sorting of the lamp components was done well before the event date. The trainers assembled one



lamp and estimated the time required for the same. The charging with the solar panel was also tested. Along with the trainers 10 volunteers were also trained to aid the students with assembling the solar lamp. Notepads and pens were purchased for distribution during the event. Additional Multimeters, soldering iron, screwdrivers and glue was arranged to use during the assembly. A bus was arranged to transport the students to the institute on the workshop day. A day before the event, a group consisting of a faculty coordinator, two staff coordinators and two trainers visited Government VHSS Attapadi to brief the teachers and students about the event. Breakfast and Lunch were arranged for the students at the IIT hostel mess.

The training program for Agali school students started at 10 am on Gandhi Jayanthi. The program was conducted in the electrical lab at IIT Palakkad. The program started with inaugural address by Dr. Sunil Kumar P B, Director, IIT Palakkad. Fifty students from Government Vocational Higher Secondary School, Agali in Attapadi, Kerala, participated in the training program. A group of 10 trainers, including the faculty members, staff and research scholars from IIT

Palakkad participated. A group of 5 students was allotted to each trainer. Instructions to the students required during the training were given through a PowerPoint presentation. A kit which consisted of a manual, lamp components, notepad and a pen was distributed to each of the students. The projectors in the lab aided in detailing the process of the lamp assembly. Students were trained to do the proper glueing, soldering and assembling of the solar-powered study lamp. In each stage of the training, trainers ensured the safety of the students and made sure that the students were completing the corresponding stage with a complete understanding of the process and working. All the students successfully completed the solar lamp assembling. Finally, the working solar study lamp was properly packed in the envelope provided with the lamp assembly components.

At the end of training sessions, feedback from the students and trainers were collected. After the training, Student Counsellor of IIT Palakkad delivered a small inspirational talk which conveyed the importance and student responsibility of environmental protection and solar energy.



*Participant students with the solar lamps they made*

