

# Report

## Workshop on ‘Manufacturing of Energy Efficient Devices’

By Department of Physics

at St. Joseph’s College (Autonomous), Irinjalakuda

The **Workshop series on ‘Manufacturing of Energy Efficient Devices’** was conducted on 7<sup>th</sup> September, 21<sup>st</sup> December and 30<sup>th</sup> January of the academic year 2019 - 2020 at St. Joseph’s College, Irinjalakuda, Thrissur, Kerala. The Inaugural session was held on 7<sup>th</sup> September 2019. Mr. Thomas P. I., former instructor at LUNA Irinjalakuda, formally inaugurated the workshop. The College Principal Dr. Sr. Isabel presided, Ms Mary Gisby Poulouse, the Head of Department of Physics offered welcome and Ms Madhu C. A., Assistant Professor of Department of Physics expressed the vote of thanks.

On the first day (07/09/2019), thirty four students attended the sessions detailing the manufacture of LED serial bulb sets. They were divided into eight batches. Different activities were assigned to each batch. Some sorted out the different coloured LED lights, others cut out equal lengths of wire strips and some others soldered the LEDs to wires while others made the serial connections. The final products were colour coded and assembled.

On the second day (21/12/2019), fifty one students participated in the manufacture of LED tube lights and LED star lights. Students were divided to ten batches. Three batches were skilled on manufacturing of LED tube lights and seven batches were skilled on manufacturing of LED star lights. The Christmas sale of the LED serial bulb sets, LED tubelights and LED star lights designed by the students was also conducted that day.

On the third day (30/01/2020), twenty eight students participated in the manufacture of LED serial bulb sets. This program has motivated the students towards new business ventures and helped to improve their entrepreneurship skills.



The Department of Physics, St.Joseph's College Irinjalakuda gratefully acknowledges the all-round support extended by the Autonomy Cell of the College for the conduct of this series workshop.

Mary Gisby Poulouse  
Coordinator