



# MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### Report-On

## HAND'S ON PROGRAM ON “LED DESIGN”

### On

(10-10-2022)

As the Department of EEE conducting Hand's On Program On “LED DESIGN” organized for students of III Year & II Year EEE on 10<sup>th</sup> OCT 2022 to explore the working of the Copter in association with Pranav Solutions, Krishnagiri. The technical team has given mix of theory and practical knowledge on Quad Copter design.

This program was organized by Mr. K Krishna Reddy, Head of the department with the co-ordination of Mr N V Kishore, Associate Professor, EEE Department.

As the world is heading towards severe energy crisis, there is an ever-increasing need for alternate energy resources and energy efficient devices. One particular field, which has witnessed tremendous breakthroughs, of late, in terms of energy efficiency, is solid state lighting (SSL) or Light emitting diodes (LED). LED bulbs are 80-90% more energy efficient than conventional incandescent bulbs and are several times more durable, with much lower greenhouse gas emission. In order to familiarize the students with the practical aspects of this important technology and provide valuable hands-on experience, the Department of EEE conducted a Hand's On Program On ‘LED Design’ for the III Year & II Year EEE on 10<sup>th</sup> OCT 2022. The principal of Mother Theresa Institute of Engineering & Tehcnology College, Dr. Lakshmikantha Reddy inaugurated the programme on 10<sup>th</sup> Octember at 10.00 AM. The technical session was handled by Mr. Elavarasan from Pranav Solutions Krishnagiri. Around 113 students attended this programme on the day, with faculty and staff monitoring their activities. At the end of the technical session, all the students were able to build LED bulbs on their own which were later given to them to be used at their homes. The aim & scope of the training was to empower students with technical skills needed for industry as well as day-to-day life. It would also enhance the employability of students. This training was a major step to sensitize students towards

green technologies and make students socially responsible. The learning outcome of this workshop was that the student was able to appreciate the need for energy efficient devices and design opto-electronic circuits. All the participants were able to build LED based lighting-circuits in serial manner and thus learnt to design strategies to reduce electricity usage at home.



Students Attending @ Design of LED