

SOLAR PANEL UTILIZATION

A Social Relevant project submitted in partial fulfilment of the requirement for
BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING

SUBMITTED BY

CHONGALA LAXMAN - 20815A0317

DADI BALAJI SAI RAM - 20815A0318

DADI HEMA VENKATA PAVAN RAM - 20815A0319

DANDU SAI BHARADWAJ - 20815A0320

DOGGA PRAVEEN KUMAR - 20815A0321



Under Esteemed guidance of

Dr.Ch. Suresh Ph.D.

DEPARTMENT OF MECHANICAL ENGINEERING

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Recognized by APShCE, Permanently Affiliated to
JNTU-Kakinada, Accredited by NAAC) TAMARAM (V),
MAKAVARAPALEM (MD), VISAKHAPATNAM-531113

2021-2022

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the social relevant project entitled **“SOLAR PANEL UTILIZATION”** is the record of the work carried out by, CHONGALA LAXMAN - 20815A0317 DADI BALAJI SAI RAM - 20815A0318 DADI HEMA VENKATA PAVAN RAM - 20815A0319 DANDU SAI BHARADWAJ - 20815A0320 DOGGA PRAVEEN KUMAR - 20815A0321 in Avanthi Institute of Engineering and Technology, Makavarapalem, Visakhapatnam. in partial fulfilment for the award of the degree of bachelor of technology in Mechanical engineering. is a bonafide record carried out by them, under guidance and supervision during 2021-22

INTERNAL EXAMINER

EXTERNAL EXAMINER

SOLAR PANEL UTILIZATION

Energy resources can be categorized as renewable energy resources and non-renewable energy resources. Due to some harmful environmental impacts such as air pollution, climate change, and natural resources decay, people are focused on using renewable energy resources to generate energy. Solar energy is one of the widely discussed renewable energy resources. Recently with the rising human population and energy demand, new technologies and improvements should be made in the solar energy field to fulfill the global energy demands and increase energy efficiency. The electricity cannot be generated at night is a massive weakness of the traditional solar cell. In this study, we mainly focus on solar energy and discuss innovation, improvements, and the future view of solar energy technologies.