

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-Autonomous)

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

Department of Electrical & Electronics Engineering

Solar Power Systems

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The graduates will

PEO1: work in solar and linked industries, reputed organizations and allied fields.

PEO2: become entrepreneur, consultant by providing support and service to the societal needs.

PEO3: pursue higher education and involve in research activities by exhibiting intellectual skills with ethics through life-long learning.

PROGRAMME OUTCOMES (POs)

At the end of the programme, graduates will be able to

PO1: analyze problems related to solar energy conversion process and associated system components with in-depth domain knowledge and implement design techniques by providing state of art solutions

PO2: examine critically the problems related to solar energy systems to make theoretical and practical solutions

PO3: think laterally and originally on solving solar energy system problems to arrive feasible and optimal solutions, considering safety and environmental factors in view

PO4: identify the unfamiliar problems related to solar power system and allied fields through literature survey and experiments by applying appropriate research methodologies, techniques and tools

PO5: apply modern engineering tools to complex solar energy system studies with an understanding of the limitations

PO6: participate in collaborative-multidisciplinary scientific research to work as a team member in core domain in order to achieve common goals

PO7: understand the engineering and management principles and demonstrate leadership qualities after consideration of economical and financial intricacies

PO8: communicate effectively with engineering community and demonstrate the ideas clearly

PO9: engage in life-long learning with self-motivation to improve knowledge and competence continuously

PO10: practice professional ethics with intellectual integrity, code of conduct and serve towards the sustainable development of the society

PO11: independently examine critically the outcomes of research and development activities to make subsequent corrective measures