MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC- AUTONOMOUS)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Programme: M.Tech. –Electrical Power Systems (EPS)

PROGRAMME EDUCATIONAL OBJECTIVES

The graduates will

PEO1: work in electric power industries, energy sectors, reputed institutions and allied fields.

PEO2: pursue higher education and involve in research activities.

PEO3: exhibit intellectual skills with ethics through life-long learning to cater the societal needs.

Programme Outcomes

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

PO1:   analyze problems related to power systems in-depth and be able to utilize the domain knowledge and principles for the design and enhancement of the state of art solutions

PO2:   examine critically the power system problems and make theoretical, practical and policy decisions

PO3:   think laterally and originally on solving power system problems to arrive feasible, optimal solutions

PO4:   identify the unfamiliar power system problems through literature survey and experiments, apply appropriate research methodologies, techniques and tools to enhances the domain knowledge

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

PO6:   participate in collaborative-multidisciplinary scientific research to work as a team member in power system 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.

PO 8:   communicate effectively with engineering community, and demonstrate its ideas clearly

PO 9:   engage in life-long learning with self motivation to improve knowledge and competence continuously

PO 10:   practice professional ethics with intellectual integrity, code of conduct and serve towards the sustainable development of the society

PO 11:   examine critically the outcomes of research and development activities independently to make corrective measures subsequently