VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for B.Tech. CE, EEE, ME, ECE, CSE, EIE, IT Programmes
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF 113th Rank in Engineering Category
Recognized as "College with Potential for Excellence" by UGC
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Estd.1995

Azadi Ka Amrit Mahotsav

DEPARTMENT of ELECTRONICS AND INSTRUMENTATION ENGINEERING

PEOs, POs and PSOs of M.Tech. Programme in "Electronics and Instrumentation"

Programme Educational Objectives (PEOs):

PEO.1. To Excel in professional career and/or higher education by acquiring knowledge in measurements, transduction, and instrumentation engineering principles.

PEO.2. To enhance knowledge to design & develop advanced instrumentation and automation systems for remote monitoring and control applications

PEO.3. To analyze real life problems, design data acquisition systems with computing platforms appropriate to Electronics and Instrumentation that are economically feasible and acceptable.

PEO.4. To acquire soft skills through teamwork, presentations, seminar, and dissertation.

PEO.5. To serve research and development organizations to solve the problems raised in the industries and society and involve in lifelong learning.

Program Outcomes (POs):

PO1: To independently carry out research /investigation and development work to solve practical problems.

PO2: To write and present a substantial technical report/document.

PO3: To demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program

PO4: To identify suitable sensors and transducers for real time applications

PO5: To Acquire knowledge of Instrumentation Engineering with ability to evaluate, analyze and synthesize problems related toprocess oriented industries

PO6: To use innovative technologies, skills andmodern engineeringtools tocarry out projects related to real-life applications like Robotics, Analytical and Biomedical instruments.

Program Specific Outcomes (PSOs):

PSO1: To identify suitable sensors and transducers for real time applications.

PSO2: To Acquire knowledge of Instrumentation Engineering with ability to evaluate, analyze and synthesize problems related to process-oriented industries.

PSO3: To use innovative technologies, skills, and modern engineering tools to carry out projects related to real-life applications like Robotics, Analytical and Biomedical instruments.