PROGRAM EDUCATIONAL OBJECTIVE [PEO]

To impart basic technical knowledge and practical skills in the field of Electronics and Communication Engineering which lead to promotion of successful engineering design, establishment of engineering standards and overcoming of realistic constraints in systematic engineering processes with incorporation of industries expectations.The educational objectives of UG program in Electronics and Communication Engineering are:

PREPARATION

To provide sound foundation in mathematical, scientific and engineering fundamentals necessary to analyze, formulate and solve engineering problems.

CORE COMPETANCE

To provide thorough knowledge in Electronics and Communication Engineering subjects including theoretical knowledge and practical training for preparing physical models pertaining to Electronic Circuits and design, Digital Signal processing, Microprocessor / Microcontroller internal architecture and its programming, Wireless and wired Communication, Networking, Microwave Engineering, VLSI etc…

DESIGN COMPETANCE

To provide relevant engineering experience in designing and conducting experiments as well as analyzing the significance of the experimental data.

SOFT SKILL

To provide training in soft skills via English language, communication, verbal, logical, analytical, comprehension, team building, inter personal relationship, group discussion etc for placement.

CAREER DEVELOPMENT

To inculcate the habit of lifelong learning for career development through successful completion of advanced degrees, professional development courses, industrial training etc.

PROFESSIONALISM

To impart technical knowledge, ethical values for professional development of the student to solve complex problems and to work in multi disciplinary ambience, whose solutions lead to significant societal benefits.

PROGRAM OUTCOMES [PO'S]

The outcomes of departments are that the students after successful completion of the course will acquire:

• An ability to apply knowledge in mathematics, science and engineering subjects.

• An ability to identify, formulate and solve engineering problems.

• An ability to design and conduct experiments to interpret data and analyze the results.

• An ability to apply knowledge in mathematics, science and engineering subjects.

• An ability to design system components or processes to satisfy the needs of the society within realistic constraints such as economical, social, political, ethical, health, safety and manufacturing.

• An ability to function on multi-disciplinary teams.

• An ability to understand professional and ethical responsibilities.

• An ability to communicate effectively.

• An ability to gain knowledge to understand the impact of engineering solutions in a global, environmental and societal context.

• An ability to understand the need and engage in life-long learning process.