

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102

Department of Electronics and Communication Engineering

SVEC-14

M. Tech. (Digital Electronics and Communication Systems)

Program Educational Objectives:

- PEO1:** To impart advanced knowledge in the domains of Digital Electronics, Signal Processing and Communication Systems.
- PEO2:** To develop analytical, problem solving, design and development skills in the broad area of Digital Electronics and Communication Systems.
- PEO3:** To apply the knowledge and skills of Digital Electronics and Communication Engineering for the solutions to the real world engineering problems.
- PEO4:** To provide opportunity to work with a strong sense of professionalism and code of engineering practice.

Program Outcomes:

On completion of the Programme, the students will be able to

- PO1:** Gain in-depth knowledge in the specialized domain of Digital Electronics, Digital Systems, Signal Processing and Communication Systems.
- PO2:** Analyze complex engineering problems critically in the domains of Communication Engineering and Digital Systems for conducting research.
- PO3:** Solve engineering problems to arrive at optimal solutions in the fields of Digital Electronics and Communication Systems complying with societal needs .
- PO4:** Apply appropriate research methodologies and techniques for the development of scientific and technological knowledge in Digital Electronics, Communication Systems and allied areas.
- PO5:** Apply appropriate resources and modern tools to complex engineering activities in the field of Digital Electronics and Communication Systems.
- PO6:** Contribute to collaborative-multidisciplinary scientific work, demonstrate capacity for self-management, teamwork and decision making.
- PO7:** Manage projects as a member and leader with understanding of engineering and management principles with consideration to economic and financial factors.
- PO8:** Communicate effectively in professional and personal domains through verbal and written forms.
- PO9:** Engage in life-long learning to improve knowledge and competence in the world of rapid technological changes.
- PO10:** Follow ethical code of conduct in professional activities with understanding of responsibility for sustainable development of society.
- PO11:** Adapt to reflective self learning for continuous improvement.