SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102

Department of Electronics and Communication Engineering

PG Programs

1. **M.Tech. Digital Electronics and Communication Systems (DECS)**
2. **M.Tech. VLSI**
3. **M.Tech. Communication Systems (CMS)**

The Department is offering three PG programs with specializations Digital Electronics and Communication Systems **(DECS)** started in the year 2008 with 18 intake, **VLSI** in the year 2009 and Communication Systems **(CMS)** in the year 2011 with 24 intake in each program. M.Tech. DECS & VLSI programs are Accreditated by NBA for two years during 01.01.2016–31.12.2017.

M.Tech. Digital Electronics and Communication Systems (DECS)

Program Educational Objectives:

After few years of graduation, the graduates of M. Tech. (DECS) Program would have

PEO1. Enrolled or completed research studies in the core or allied areas of Digital Electronics and Communication Systems.

PEO2. Successful entrepreneurial or technical career in the core or allied areas of Digital Electronics and Communication Systems.

PEO3. Continued to learn and to adapt to the world of constantly evolving technologies in the core or allied areas of digital electronics and communication systems.

Program Outcomes:

On successful completion of the Program, the graduates of M. Tech. (DECS) will be able to:

PO1. Demonstrate mastery of knowledge in Digital Electronics, Communication Systems and other allied areas of the program.

PO2. Design and develop Electronic and Communication systems for communication and signal processing applications.

PO3. Select and apply appropriate modern tools, techniques and resources to provide engineering solutions in Digital Electronics, Communication Systems and allied areas.

PO4. Independently carry out research to deliver solutions for complex problems in Digital Electronics and Communication Systems.

PO5. Communicate effectively in written and oral formats.

PO6. Ability to continuously engage in life-long learning to enhance knowledge and competence.

M.Tech. VLSI

Program Educational Objectives:

After few years of graduation, the graduates of M. Tech. (VLSI) Program would have

PEO1. Enrolled or completed research studies in the core or allied areas of VLSI.

PEO2. Successful entrepreneurial or technical career in the core or allied areas of VLSI.

PEO3. Continued to learn and to adapt to the world of constantly evolving technologies in the core or allied areas of VLSI.

Program Outcomes:

On successful completion of the Program, the graduates of M. Tech. (VLSI) will be able to:

PO1. Demonstrate mastery of knowledge in VLSI and other allied areas of the program.

PO2. Design and develop Integrated Circuits/systems/platforms for Digital, Analog and Mixed VLSI applications.

PO3. Select and apply appropriate modern tools, techniques and resources to provide engineering solutions in VLSI and allied areas.

PO4. Independently carry out research to deliver solutions for complex problems in VLSI.

PO5. Communicate effectively in written and oral formats.

PO6. Ability to continuously engage in life-long learning to enhance knowledge and competence.

M.Tech. Communication Systems (CMS)

Program Educational Objectives:

After few years of graduation, the graduates of M. Tech. (CMS) Program would have

PEO1. Enrolled or completed research studies in the core or allied areas of communication systems.

PEO2. Successful entrepreneurial or technical career in the core or allied areas of communication systems.

PEO3. Continued to learn and to adapt to the world of constantly evolving technologies in the core or allied areas of communication systems.

Program Outcomes:

On successful completion of the Program, the graduates of M. Tech. (CMS) will be able to:

PO1. Demonstrate mastery of knowledge in Communication Systems and other allied areas of the program.

PO2. Design and develop systems for communications and signal processing applications.

PO3. Select and apply appropriate modern tools, techniques and resources to provide engineering solutions in Communications and allied areas.

PO4. Independently carry out research to deliver solutions for complex problems in Communication Systems.

PO5. Communicate effectively in written and oral formats.

PO6. Ability to continuously engage in life-long learning to enhance knowledge and competence.