



**SREE VIDYANIKETHAN ENGINEERING COLLEGE  
(AUTONOMOUS)**

**SVEC-14**

Sree Sainath Nagar, Tirupati – 517 102

**Department of Information Technology**

**M. Tech (SE)**

**Program Outcomes:**

After post-graduation, the post-graduates will be able to:

1. Apply software engineering and computer science theory, principles, tools and processes for the development and maintenance of complex and scalable software systems.
2. Analyze complex engineering problems critically and to conduct theoretical and applied research to provide solutions to contemporary issues.
3. Analyze and solve problems, and also evaluate the developed software based systems, or programs of varying complexity that meet desired needs and satisfying realistic constraints.
4. Collect and interpret literature, apply research methodologies, software engineering techniques, skills and tools for the development of software products.
5. Identify and apply appropriate modern computing tools and methodologies for complex engineering problems.
6. Function effectively on multidisciplinary teams with self-management and team work to accomplish a common goal.
7. Demonstrate skills by applying engineering and management principles for effective implementation of a software project.
8. Transact effectively through technical and business communication with a range of audience.
9. Engage in life-long learning, and enthusiasm to upgrade knowledge and skills in latest technologies and tools.
10. Practice software engineering in adherence to professional and ethical code.
11. Examine one's own performance and undertake corrective measures for personal and professional development.