



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

[AUTONOMOUS]

**Students' Attributes
(Revised)**

August 2018



**Sreenivasa Institute of Technology and Management Studies
(Autonomous)**

**Dr. D. K. Audikesavulu Marg, Bangalore-Tirupati Bye-pass Road,
Murukambattu, Chittoor, Andhra Pradesh 517127**

www.sitams.org



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INSTITUTE VISION

To emerge as a Centre of Excellence for Learning and Research in the domains of engineering, computing and management

INSTITUTE MISSION

- M1: Provide congenial academic ambience with state-art of resources for learning and research.**
- M2: Ignite the students to acquire self-reliance in the latest technologies.**
- M3: Unleash and encourage the innate potential and creativity of students.**
- M4: Inculcate confidence to face and experience new challenges.**
- M5: Foster enterprising spirit among students.**
- M6: Work collaboratively with technical Institutes / Universities / Industries of National and International repute**

QUALITY POLICY

Sreenivasa Institute of Technology and Management Studies strives to establish a system of quality assurance to continuously address, monitor and evaluate the quality of education offered to students, thus promoting effective teaching processes for the benefit of students and making the College a Centre of Excellence for Engineering and Technological studies.





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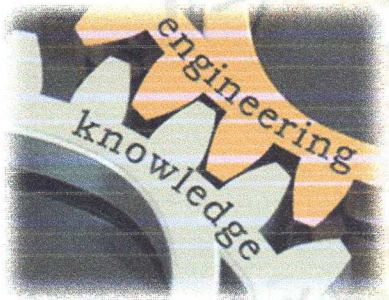


Students' Attributes

The institution strives through its curricular, co-curricular and extracurricular activities delivering generic attributes to students enabling them to achieve success in their studies beyond:

- Attitude
- Academic skills
- Interpersonal skills
- Self-motivation and self-discipline
- Time-management
- Perceptiveness

Specific attributes that enable the students for successful engineering professions are



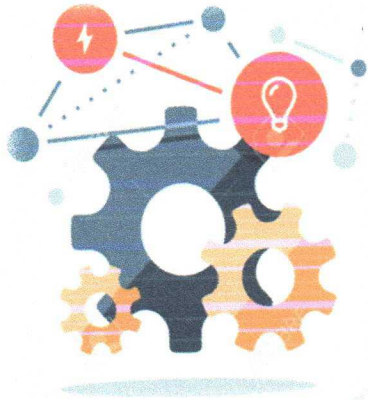
Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

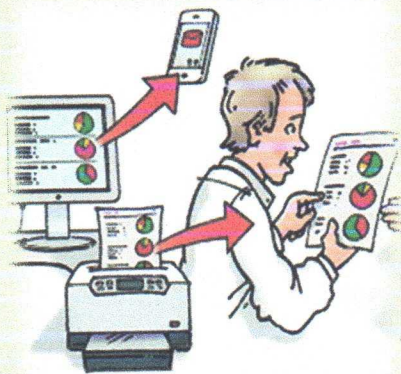


Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.



Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.



Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.



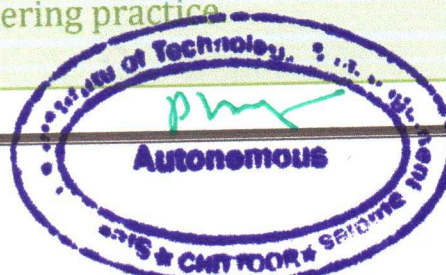
Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.



The engineer and society:

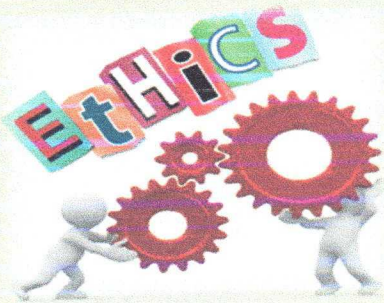
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.





Environment and sustainability :

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development



Ethics:

Apply ethical principles and commitment towards professional ethics and responsibilities and norms of the engineering practice.



Individual and teamwork:

Function effectively as an individual, and as a member or leader in diverse teams, and multidisciplinary settings.



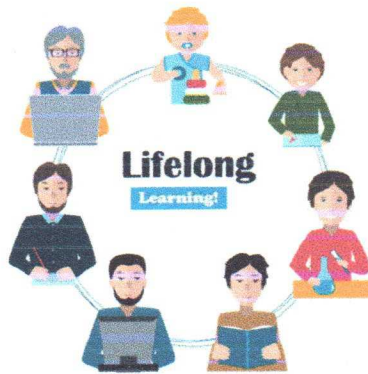
Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, by giving and receiving clear instructions.



Project management and finance:

Demonstrate knowledge and understanding the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.



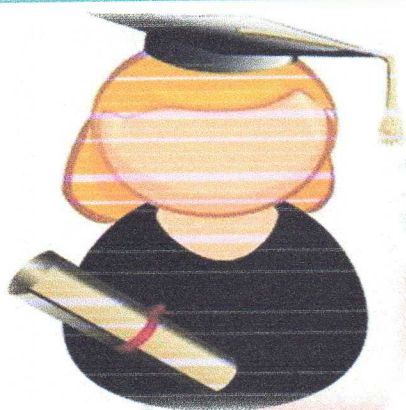
Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change





Student Outcomes



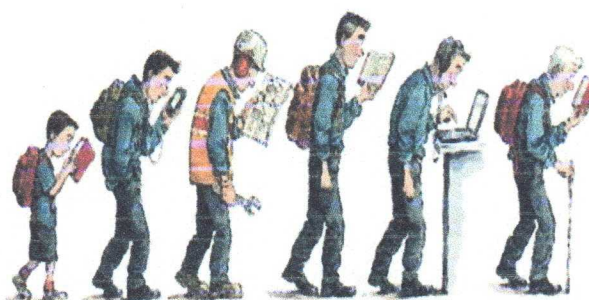
Progression to Higher Studies



Securing Career



Opportunities for Entrepreneurship



Lifelong learning

Attitude for Continuous Learning



