STUDENT ATTRIBUTES

SREE VIDYANIKETHAN
Engineering College

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, Accredited by NBA, New Delhi and NAAC, Bengaluru
Affiliated to JNTUA, Anantapuramu)
Sree Sainath Nagar, A. Rangampet, Chandragiri Mandal,
Chittoor Dist., Andhra Pradesh – 517 102
www.vidyanikethan.edu

SREE VIDYANIKETHAN ENGG. COLLEGE TIRUPATI

Student 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 and beyond such as:

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

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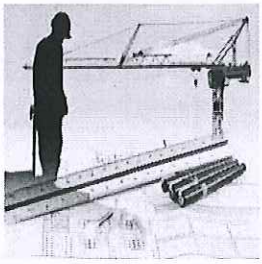
Specific attributes that enable the students for successful engineering profession are

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, 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

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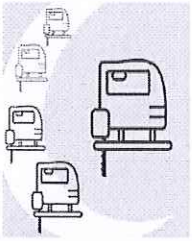
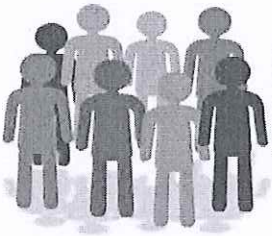
Conduct investigations of complex problems: The problems that cannot be solved by straightforward application of knowledge, theories and techniques applicable to the engineering discipline



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.

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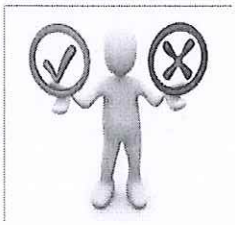
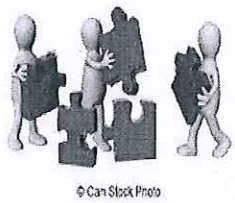
Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.



Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.



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

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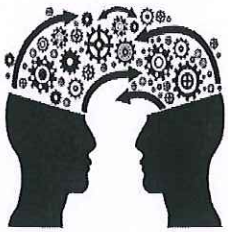
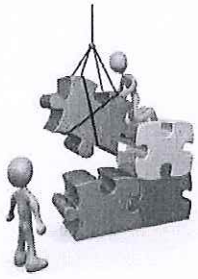
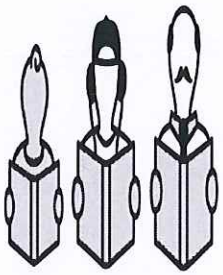


Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



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



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

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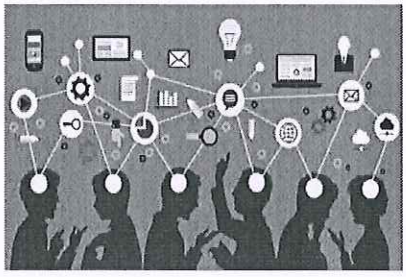
Successful Student Outcomes

Progression to Higher studies

Securing career



Opportunities in entrepreneurship

Attitude for continuous learning

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