

Report on Student Attributes Facilitated By the Institution

1. Engineering Knowledge:

Students are facilitated to apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to solve of complex engineering problems through teaching learning process of various engineering courses.

2. Problem Analysis:

Students are facilitated to identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions through mini projects, major projects, internships, industry visits. Students are encouraged to write research papers and participate in project competitions

3. Design/ Development of Solutions:

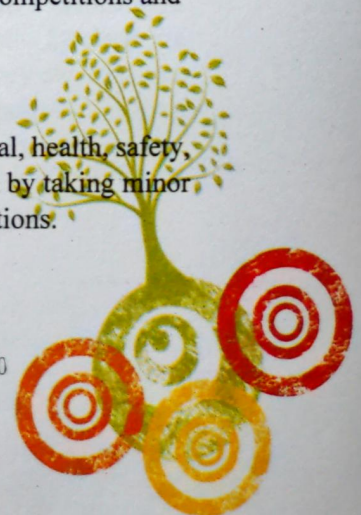
Students are facilitated to design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations through mini projects and major projects.

4. Conduct & Modern Tool Usage:

Students are facilitated to investigate complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions by encouraging them to write research papers and participate in project competitions and smart India hackathons.

5. The Engineer and Society:

Students are facilitated to apply contextual knowledge to assess societal, health, safety, legal and cultural issues through NSS (National Service Scheme) and by taking minor and major projects based on social, health, safety and cultural applications.



Engineering Programme	Technical Training	Research	Publication	
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6. Environment and Sustainability:

Students are facilitated to understand the importance of environment and sustainability through various courses included in syllabus like EVS, Environmental Engineering, and Disaster Management etc. NSS Cell and Rotaract Club conducts various programs to create awareness. International Conference on Sustainable Development is also organized

7. Ethics:

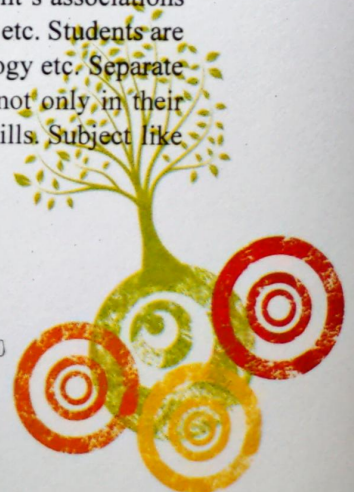
Students are facilitated to apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice through course included in syllabus like Business Communication and Ethics. Various seminars are organized for students on morals and ethics time to time.

8. Individual and Team Work:

Students are facilitated to function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings through various students Clubs and Student's associations like Student's Council, NSS Cell, Young Inspirator's Network (YIN), Rotaract Club, entrepreneurship development cell for innovations and incubation (EDCII), IGBC student chapter, ISHRAE student chapter, CSI student chapter, various student's associations of all departments, dance club, drama club, music club, orator club, photography club, sports club and many more.

9. Communication:

Students are facilitated to 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 by taking responsibilities of conduction of various activities of different students Clubs and Student's associations like Student's Council, NSS Cell, Young Inspirator's Network (YIN), etc. Students are also asked to give presentations on projects, internships, new technology etc. Separate Orator Club is formed with the objective of moulding the students not only in their communication skills but also enhancing their soft skills and life skills. Subject like Business and Communication ethics is included in syllabus.



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10. Project Management and Finance:

Management courses on project management and Finance management are included in syllabus to facilitate students to demonstrate knowledge and understanding of management principles and apply these to one's own work, as a member and leader in a team. Students also learn these skill sets while organizing various students' club activities



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