## 7.1.10 Report on the student attributes facilitated by the Institution.

| S.NO | Student Attributes | Contributing Factors |
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| 1. | Engineering Knowledge | • Curriculums provide strong foundation in engineering principles and concepts through core subjects and Electives.<br>• Add-on course and NPTEL online courses |
| 2. | Problem Analytic skill | • Problem-based learning (Problematic Subjects) where students are presented with problems to solve through tutorial hours, assignments etc |
| 3. | Design/ development of solutions for engineering problem | • Design-centric courses – students undertake mini – projects, projects, and internship where they must design and develop solutions for specific engineering problems |
| 4. | Advanced Problem-Solving | • Through Honours and Minor degree courses can challenge students to gain knowledge in unfamiliar contexts and develop innovative solutions |
| 5. | Modern tool usage | • Incorporation of the latest software, hardware, and technologies within the curriculum. Workshops, certifications, familiarize students with modern tools and technologies. |
| 6. | Engineering Ethics and Society | • Curriculum Provide “Professional Ethics and Universal Humal Value” as a course to students.<br>• Regular pledges on social concerns are taken every year. |
| 7. | Engineering for a Sustainable Future | • Environment Science is a mandatory paper added in the curriculum.<br>• Civil Engineering offers number of open elective courses in this context. |
| 8. | Engineering Integrity | • Creating an environment that values honesty, transparency, and responsibility. This can be encouraged through a code of conduct, honor codes, and by setting examples through NCC and NSS.<br>• Curriculum Provide “Professional Ethics and Universal Humal Value” as a course to students. |
| 9. | Individual and teamwork | • Group projects and performing lab experimentation as team, can foster collaboration and communication skills. |

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| | | • Leadership and team management can also be parts of these exercises. |
| 10. | Bridging Complex Ideas with Society and Peers | • Through Induction program, Project presentations, Seminars, where they can present their ideas and solutions to a broader audience. |
| 11. | Project management and finance | • Protosem Course<br>• Total Quality Management Course<br>• Principles of Management courses are added in the curriculum |
| 12. | Life-long learning | • Encouraging students to attend workshops, seminars, and conferences beyond the curriculum.<br>• Students are encouraged to participate in other co-curricular activities and competitions.<br>• Students host Test Fest.<br>These activities encourage students to have continuous improvement through opportunities for further education. |

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