

The infrastructure sector in India is expected to grow at 7% annually with an investment of Rs 102 Lakh Crore by 2024-25. This massive investment offers significant employment opportunities for upcoming Civil Engineers with sound theoretical knowledge and practical know-how. Keeping this in mind, B.E. Civil Engineering at TIET has been revamped to offer following 3 elective focus (EF) areas for specialization, right as the student enters Semester V (Third Year) of his UG degree:

- Structural Engineering, Smart and Sustainable Materials
- Smart Cities
- Infrastructure Development and Management

The entry of a student into an EF is based on his/her CGPA at the end of Second Year of B.E. program coupled with the student choice. The students are offered a total of four elective courses under each specialization across Semesters-V to VIII. A student is free to opt courses across different focus areas in different semesters; however, if they opt all courses from the same focus area, they will be offered a certificate of specialization in that particular area in addition to their B.E. degree at the end of 4 years. All elective focus areas offer courses keeping the industry requirement in mind and intend to make the student industry-ready and provide an edge over their peers from other institutes. Before the start of fifth semester, each basket is discussed with the student in detail, so that he/she can make an informed decision.