

WHY CHOOSE CIVIL ENGINEERING AS A PROFESSION?

Civil engineering is probably the oldest branch of engineering in human history. For thousands of years, humans have built breathtaking monuments that have stood the test of time, all thanks to dedicated civil engineers. Civil engineers are a necessary component of society; without them, we would have no streets, air terminals, structures, dams, harbors and so on. A civil engineer is responsible for designing and monitoring the construction and renovation of physical structures, railway projects, roadways, and local and national infrastructure. It is a diverse field with tremendous scope and added prestige.

Civil Engineering offers the following unique opportunities:

- **Development of infrastructure:** Civil engineers manage the plan, development, and upkeep of the physical and artificial structures, including works like streets, spans, trenches, dams, and structures. A profession in civil engineering is profoundly fulfilling. Civil engineers are respected all over as they build structures, streets, railroads, air terminals, frameworks, and water sewerage frameworks for us.
- **Challenging profession:** A civil engineer is excellent with critical thinking and diagnostic abilities and henceforth, they are welcome with open hearts to any industry. As a civil engineer, your work impacts where individuals work, relax, learn, and live. You will be instrumental in developing the infrastructure of a rapidly growing modern world. There are numerous advantages in choosing civil engineering as a profession. You get a chance to handle complex problems faced by society by using your imagination and engineering expertise. If you work for a civil engineering company that accepts diverse clients, you will have the opportunity to work on different projects including building roadways, railways, bridges, commercial buildings, residential complexes, and others. There is always going to be a need for well-qualified civil engineers, making this career one of the most futuristic choices that will stand the test of time.
- **Not a routine desk-job:** Civil engineering is a field job, which means that you will spend minimal time behind a desk, and more time at the construction site. Civil engineers face new challenges at the site every day, and so there is nothing routine about this job. Remember, civil engineering is a hands-on job focused mostly outdoors, which means that you will be working in different environments, climates, and locations.
- **Creativity:** Civil engineers are expected to bring a level of creativity along with enhanced technical skills to the job. Structural engineers must be especially creative about the structure they are designing, to make sure that their creation is modern, innovative, and can function better than a traditional structure. Professionals who have pursued the best B.Tech course in civil engineering generally have the skills to work in a competitive environment due to the specialized training they receive at college.
- **Create a legacy:** Structures designed by civil engineers generally last a long time, enabling them to build a legacy which will last beyond their lifetime.
- **Job opportunities:**
 - **Public sector:** The government of India is heavily investing in infrastructure projects across the country, opening a vast array of job opportunities for trained and qualified civil engineers. The Public Works department is one of the biggest

recruiters of civil engineers in India, owing to a huge demand for professionals holding a B.Tech Civil Engineering degree.

- **Private sector:** The private real estate sector in India is booming, with more and more companies diversifying into the real estate arena. The Piramal Group and the Raymond Group are two such examples of established companies who have diversified into the real estate sector in the last five years. Such companies are developing at an extremely fast pace, opening thousands of job opportunities for civil engineers.
- **Research & Development:** There is ample scope for innovative ideas, research and development in the field of civil engineering. Rapid progress is being made in various specializations of civil engineering thus creating an immense opportunity for carrying out high quality research activities.

Why choose Vasavi College of Engineering for the pursuit of Civil Engineering?

- Vasavi college of Engineering has emerged as a leader among the institutions of higher education offering civil engineering in the twin Telugu states.
- The college has emerged as a consistent top choice for the students and provides quality education needed to produce expert civil engineers.
- The alumni of the department of civil engineering are spread out in prestigious positions across the world viz. state and central government services, public sector undertakings, construction companies, consultancy firms etc. These people contribute actively to the growth and development of the department.
- Students of the department pursue course curriculum in tune with the needs of the industry and reflecting the state of art in the field.
- *From this academic year(2023-2024) onwards, it is possible for students of civil engineering to pursue a minor in CSE in the following streams: Artificial Intelligence/Machine Learning , Data Science and IoT.*
- Students are trained through rigorous lab work in subject-wise high-tech labs dedicated to civil engineering. The labs are equipped with the latest and innovative equipment to help students gain industry-synced training.
- Field work, industry visits, and internships help students gain first-hand experience about the civil engineering industry. Guest lectures, workshops, and seminars are also conducted regularly to help students develop their soft and technical skills.