Dear Student,

Greetings from Univariety!

We can understand that you wish to know about Civil Engineering. Please find the information below:

A career in Civil Engineering:

Civil engineering is one of the oldest professional engineering disciplines which deal with the design, construction, and maintenance of the physical and the naturally built environment. This includes works like roads, bridges, canals, dams, and buildings.

Civil engineers build the world’s infrastructure. In doing so, they shape the future of nations around the world. It is difficult to imagine life without the contribution of civil engineers to the public’s health, safety and standard of living. A civil engineer is responsible for the design of safe structures so that it meets standard building codes of the places where they are built. These structures have to be designed keeping in mind many factors like maintenance, efficiency, and other economic concerns.

Civil engineering is divided into several sub-disciplines such as:

Environmental Engineering

Geotechnical Engineering

Structural Engineering

Transportation Engineering

Municipal or urban Engineering

A student studying civil engineering is trained in the following:

Surveying a site.

Plotting out designs or plans of structures.

Constructing structures e.g. buildings, bridges, highways, tunnels, dams.

Maintaining or repairing previously built structures.

Civil Engineering in India:

To study civil engineering in India, you have to take up and excel in subjects like Maths, Physics, and Chemistry in 10+2. Selection of graduate courses like B.E / B.Tech in civil engineering is based on the marks secured in the final exams of 10+2 and the performance in entrance exams. The entrance exam for the IITs is JEE and for other major institutions is the JEE – Mains. Other private institutions have their own separate entrance exams. Eg.BITSAT, VITEEE etc..

Career Prospects:

Civil Engineering happens at many levels: both in the public and the private sector from individual homeowners through to international companies. Indian engineers are in great demand in Asia, Africa, and the middle-east. Those graduating from IITs are placed in major construction companies across the world. The employment opportunities abroad are many and so are the financial incentives.

A degree in Civil Engineering offers the prospect of a stable career path, potentially high salary, and the opportunity to work on challenging projects.

Please refer to this link to get overview of the Course: https://www.univariety.com/career/Civil-Engineering/f69dbb6d

Please refer to this link to know about the Colleges:

https://www.univariety.com/india/top-engineering-colleges-in-india-civil-and-environmental-engineering

We hope the above information has helped you achieve clarity about your query. Below, please rate your satisfaction level with this response.

Regards,

Univariety Team