

Demand for Civil Engineers in India

The demand for civil engineers is expected to continue to grow in the coming years due to the increasing infrastructure development needs of the country. The government's focus on developing smart cities and improving rural infrastructure will create new opportunities for civil engineers.

As per a recent study, demand for civil engineers is expected to grow at a rate of 9% every year between 2018 and 2028. This growth is attributed to the increasing infrastructure development projects in India, which are envisaged under the government's flagship initiatives, such as the Smart Cities Mission and the Swachh Bharat Abhiyan.

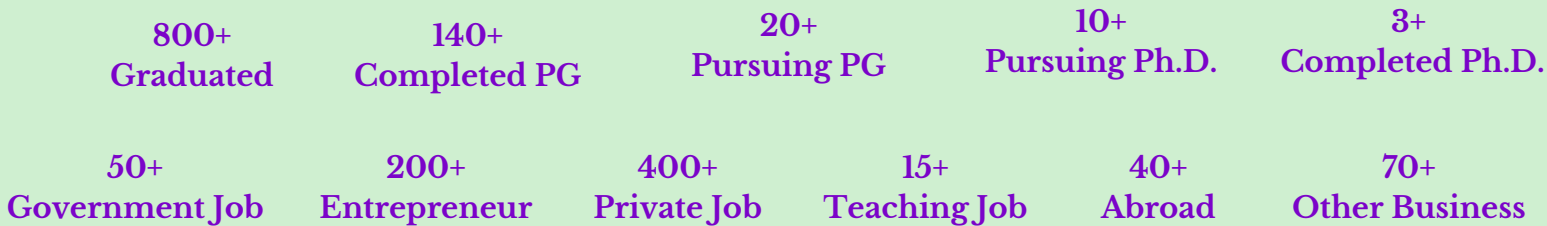
With the government investing heavily in infrastructure development, it is only natural that there will be a corresponding increase in the demand for skilled civil engineers.

Those who are planning to enter this field can expect to command a good salary in India in the coming years.

Ref.: <https://www.constructionplacements.com>

Civil Engineering @ MCET

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Department of Civil Engineering Dr. Mahalingam College of Engineering and Technology

(An autonomous Institution)

Affiliated to Anna University, Chennai & approved by AICTE,

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About MCET

Dr. Mahalingam College of Engineering and Technology (MCET) was established in the year 1998 by Dr. M. Manickam with a view to commemorate the 75th birthday of his beloved father Arutchelvar Dr. N. Mahalingam with a mission to impart high quality competency based education in Engineering & Technology to the younger generation to acquire the required skills and abilities to face the challenging needs of the industry around the globe. MCET is a self-financing, co-educational Autonomous Engineering College and it is approved by All India Council for Technical Education (AICTE), New Delhi & affiliated to Anna University, Chennai. The Institution has been accredited by NAAC with A++ grade and all eligible UG Programmes are accredited by NBA. MCET currently offers 10 UG 6 PG and 5 doctoral Programmes in Engineering, Technology and Science.

About the Department

Civil Engineering is the oldest engineering discipline that deals with the planning, design, construction and maintenance of the physical and natural built environment, including works like buildings, bridges, canals, dams and roads. The department of Civil Engineering at MCET was started in the year 2007 with B.E. - Civil Engineering Program and extended in 2012 for Post Graduate program in M.E. - Structural Engineering. The Department of Civil Engineering at MCET has highly qualified and experienced faculty in diversified domains which helps to enlighten the young minds of students in the theoretical and experimental aspects. Department has state-of-art infrastructural facilities which provide expertise and facility to work on emerging technologies. In a nut shell the department is well nurtured to cater the needs of education through industry oriented curriculum, research, consultancy, co-curricular and extra-curricular programs for the career enhancement of the students.

Department Vision

To develop Competent Civil Engineers to meet the infrastructure challenges of India and the world.

Department Mission

- To become one of the reputed departments offering Civil Engineering Program in the country.
- To produce excellent engineers to cope up with the changes through dynamic, innovative, and flexible curriculum.
- To provide a conducive environment for teaching & learning and to develop leaders with effective communication skills.
- To conduct quality research driven by industry & societal needs and provide affordable engineering solutions.

Programme Educational Objectives

- PEO1:** Graduates who effectively demonstrate engineering knowledge, problem solving skill, design capabilities and entrepreneurial skills by providing practical solutions.
- PEO2:** Graduates who effectively demonstrate professionalism in multi-disciplinary engineering environment, leadership quality, teamwork and engage in life-long learning.
- PEO3:** Graduates who demonstrate an ethical commitment to the community and the profession through involvement with professional societies.
- PEO4:** Graduates who make contributions to knowledge and establish best engineering practice through research and development.

Most Impressive Civil Engineering Projects of All Time



Great Pyramid

Giza, Egypt :: 2504 BC

At 756 ft. long and 450 ft. height, the Great Pyramid was the Tallest Man-made structure in the world for more than 3800 years



30,000

Estimated number of Workers required to build the Pyramid



2.3 Million

The Great Pyramid consists of 2.3 million blocks



2.5 tons

Average weight of each stone block



25 to 80 tons

The largest stone block weighs between 25 to 80 tons and were transported from almost 500 miles

Engineering problems are under-defined, there are many solutions, good, bad and indifferent. The art is to arrive at a good solution. This is a creative activity, involving imagination, intuition and deliberate choice.
– Ove Arup



Go for civil engineering, because civil engineering is the branch of engineering which teaches you the most about managing people. Managing people is a skill which is very useful and applies almost regardless of what you do.

– John Harvey Jones



Innovative Teaching Learning Cluster

Tools for innovative teaching and learning practices.
New teaching strategies and methods to improve academic outcomes



Outreach Cluster

Encourage and train the students to take up community responsibilities
Encourage the students to expose their skills

Research and Development Cluster

Kindle the research interest among the students.
Publications & Patents
Create research linkage



Mentoring Cluster

Help the student to take informed decisions at each stage of their academic and professional journey.
Support their mentees for psychological and personal development

Industry Connect Cluster

Industrial exposure to faculty members and students.
Placement & Training, Competitive Examination Training

Amazing Architecture of Tamil Nadu

Rocky Pallava Architecture - The Pallava Dynasty was ruled by the Monumental Kingdom of Mahabalipuram and its capital city, Kanchipuram, in the modern Indian State of Tamil Nadu. The temples sculpted on the rock of Mahabalipuram are the greatest contributions of Pallava Architecture. There are halls in Mahabalipuram with sculptured and excavated columns and monolithic pagodas known as Rathas of Mahabalipuram.



Declining trend in Civil Engineering- Is it the REAL FACT?

Student's Voice

Students after graduation are finding it difficult to get suitable placement. Even though they find a suitable placement, the salary package offered does not meet their expectations. One of the reasons for this may be the fresh graduates lack in technical skills when they are starting their career. Most of the construction companies show interest in recruiting diploma students because of the reason that they will not demand much salary.

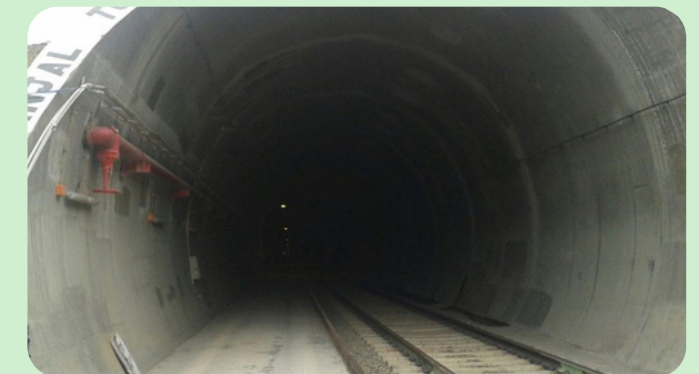
Moreover, IT companies will pay a handsome amount of salary when compared to construction companies and on the other hand students are more inclined towards the pleasant work environment of IT companies as it is a white collar job. The present generation students are finding difficult to work under sun, varying weather and field conditions. Parents also play a big role in admitting their wards only in IT related graduate courses. Because of these reasons we cannot conclude that Civil Engineering is declining. There are enormous opportunities and scope for earning equivalent and sometimes higher than an IT related job. The real fact is that the society and the economy of any country cannot grow without Civil engineering.

Faculty's Voice

"Civil Engineering is declining"- The statement is itself an incorrect one because there only a temporary decline in students who are admitted in Civil Engineering programmes but Civil Engineering will never decline as it is an integral part of the societal and economic growth of any country. In present day scenario, both parents and students are more attracted towards IT related programmes/ jobs because of the initial handsome salary. Also, they choose their career based on the present-day trend and there is no futuristic approach. According to them only IT related jobs are white collar job which is a myth. There are lot of white collar jobs in Civil Engineering such as design engineer, planning engineer, contracts engineer, detailer/ draughtsman, valuer and so on. Finally remember that you can thank Civil Engineer each time you operate an electrical gadget, turn on a tap, use public transportation or drive on the street and what not. Civil Engineers are liable for the structures, constructions and significant public works projects that make people life conceivable.

Amazing Engineering Marvels in India

The Pir Panjal Railway Tunnel is an 11.2km-long tunnel built at an altitude of 1440ft located on the Pir Panjal ranges of the Himalayas. It is the longest tunnel in India and the second-longest in Asia. The tunnel connects Bichleri Valley of Banihal to Qazigund and is also a vital link connecting Udhampur to Baramulla. It was built by the Hindustan Construction Company.



An astounding bridge that connects the western suburbs of Mumbai to South Mumbai, Bandra-Worli Sea Link or the Rajiv Gandhi Sea Link is an engineering marvel in India worth visiting. A cable-stayed bridge built with pre-stressed concrete-steel viaducts on either side, Bandra-Worli Sea Link is the first 8-lane structure project that consists of seismic arrestors and can withstand earthquakes up to 7.0 on the Richter scale. This was also constructed by the Hindustan Construction Company.