



Career Opportunities After Engineering

Choosing a right career may be confusing for a few students. This article will help you to explore career options after engineering.

By - Dr. Umesh Moharil, Head, DES, MMIT, Lohgaon, Pune
September 15, 2020

Engineering is among the most popular graduation courses. After completing the Engineering, the world is full of opportunities. However, choosing the right career can be confusing for many students. This article will help you to explore career options after engineering and to select the right one.

Campus Placements

For most engineering students, getting a right job from the campus placement is one of the most popular career options after engineering. Depending on your academic performance, campus placements can help you get a high-paying job right even before officially getting the degree from the university.



Following points are important for Campus Placements:

- Good academic performance
- Soft skills communication
- Participation in extracurricular activities
- Additional skill sets apart from regular studies

GATE & Higher Studies

The other popular career option after campus placement is to pursue further higher studies such as ME or MTech. For which, you will need to prepare for the GATE (Graduate Aptitude Test in Engineering) examination. GATE exam tests the comprehensive understanding of undergraduate engineering subjects. With an excellent GATE score, you can enter prestigious institutes (IITs and NITs). The various avenues of higher studies are M.Tech, M.tech + PhD Programs, Research Fellow, MS.





Marathwada Mitra Mandal's

Institute of Technology (MMIT)

Lohgaon, Pune – 411047

| Affiliated to SPPU, Pune | Accredited with 'A' grade by NAAC | www.mmit.edu.in |

IIT JAM is Joint Admission Test for Masters which is conducted by one of the participating IITs (Indian Institute of Technology). You can also prepare for JAM. You can enter academics and research in your field of engineering. It is one of the best career options after engineering.

Public Service Undertakings

Entering the services of government run Public Service Undertaking (PSU) such as in a Maharatna PSU (BHEL, SAIL, IOCL, and others) after completing the engineering, is also amongst one of the popular career options. Entering PSUs requires a valid score and good ranking in the GATE exam. These jobs offer great pay, security, and give you a respectable position in society.



Pursuing Management

A popular career choice among engineering graduates after engineering is pursuing management. A right choice of management stream after engineering would help you get a high-paying job with more responsibility.

To enter this field, MBA is one of the preferred courses after engineering. And for this, you'll have to clear the CAT examination (Common Aptitude Test). After studying management, depending on your area of specialization, you can get good managerial roles in different companies.



Entrepreneurship

In recent years, many engineer entrepreneurs have successfully launched startups. What is required is to identify a problem and a plan for its solution. The problem can be in any sector. For budding entrepreneurs, there are many resources and schemes even from the government. You can join a startup incubator for proper guidance. Entrepreneurship requires a lot of patience and time to grow. But it's a rewarding and challenging career.





Marathwada Mitra Mandal's

Institute of Technology (MMIT)

Lohgaon, Pune – 411047

| Affiliated to SPPU, Pune | Accredited with 'A' grade by NAAC | www.mmit.edu.in |

Become an Expert

Are you interested in a high-paying job at the start of your career? Then you should take a course or certification in the area of in-demand skills. Many companies are looking for engineers who are familiar with the latest technologies. A few of them would be Robotics, Machine Designing, Ethical Hacking, Protocol Testing, VLSI, Embedded Technology, Blockchain Digital Marketing, Data Science, Artificial Intelligence, and many more. The demand for professionals with these skills is tremendously high. Every field requires different skill sets. It depends on your branch, expertise and interest which one is to be chosen.



Civil Services

If you aspire to serve the nation through your career, civil services is one of the best options. To enter the civil services, you'll need to clear the UPSC civil services examination. Although it is one of the toughest examinations, a proper planning and guidance will lead you to success.



संघ लोक सेवा आयोग
**UNION PUBLIC
SERVICE
COMMISSION**

Around a million aspirants appear for this exam every year, and only a few thousand get selected. If you can get a high rank, you can get the prestigious post of IAS, IPS, or IFS, as well. It's a popular option among engineers. We can find many engineers in the toppers of Civil Engineering Services.

Engineering Services Examination

Indian Engineering Services (IES) exam, also known as Engineering Services Examination (ESE), is a national level recruitment exam organised by the Union Public Service Commission (UPSC). The exam is conducted to recruit Group A and Group B officers at the technical / engineering positions for the various departments working under the Government of India.

UPSC
Engineering Services
Examination



संघ लोक सेवा आयोग
Union Public Service
Commission
Government of India



The Engineering Services Examination is conducted for four branches of engineering namely: Civil Engineering, Mechanical Engineering, Electrical Engineering and Electronics and Telecommunication Engineering. Nature of work for an engineering officer selected through the IES exam depends on the engineering branch and the cadre s/he is recruited for.

Internships

Many a times, it would be difficult to start with a full-time job in a reputed company immediately after completing graduation. In such situations, internships or apprenticeships in a good and reputed company is the best option. Internships are like short-term training programs. and its duration may vary from 3 to 6 months, but it would give you an opportunity to work in an on-field working environment and it can help build your professional outlook and attain a deeper understanding of work culture, understand the skill set required in industry. You will also become aware of your key strengths and weaknesses and would give you a better opportunity to learn and grow as a professional.



Enter the private sector

Campus placements is an excellent way to enter into the private sector. However, for some reasons, you are not able to get placement, you can initiate a better search of your own. You can register for jobs on reputed job portals and indeed to look for jobs relevant to your expertise area and that match your job profile interests.



In recent years major technological and industrial areas have grown up across the major cities in India such as Noida, NCR, Pune, Gujarat, Bangalore, Chennai, and Hyderabad. Thus, naturally, the new job opportunities are emerging on a large scale and hence the private sector gives tremendous opportunities to engineering graduates.

However, to enter into the private sector with a good starting package you need to have a good experience along-with core strengths, skills, and expertise areas. Here the additional courses, certification and internships would have added benefits.



Marathwada Mitra Mandal's

Institute of Technology (MMIT)

Lohgaon, Pune – 411047

| Affiliated to SPPU, Pune | Accredited with 'A' grade by NAAC | www.mmit.edu.in |

Get a certification

You can also register in relevant certification courses relevant to your field of engineering. The advantage would be upgrading your skills before entering into a professional field.

Some of the most valued certification programs for fresher engineering graduates include Microsoft Certified Solutions Expert (Core Infrastructure), CEH (Certified Ethical Hacker), CISM (Certified Information Security Manager), CSM (Certified ScrumMaster), and PMP (Project Management Professional), CCNA/CCNC certification from CISCO, Linux certification, Certification from Google and many more.



Certification would help you:

- To enhance your professional credibility
- To strengthen your knowledge base and skillset
- To improve career prospects
- To encourage lifelong learning and professional development

Technical Professional in Indian Armed Forces

There is no other great service and honor than serving the nation through The Indian Armed Force i.e. the Indian Army, the Indian Air Force, and the Indian Navy. Engineering graduates are employed in all three wings of the Indian Armed Force. Technical and skilled professionals support the Armed Forces usually in – Corps of Engineers, Corps of Electronics and Mechanical Engineers, and Corps of Signals. You can join the Army through TGC (Technical Graduate Course) and SSC Tech entry schemes.

Usually, engineering graduates can enter through the AFCAT (Air Force Common Admission Test) Entry scheme. For the Indian Navy, the government there is SNAES (Special Naval Architects Entry Scheme) Entry scheme.





Marathwada Mitra Mandal's

Institute of Technology (MMIT)

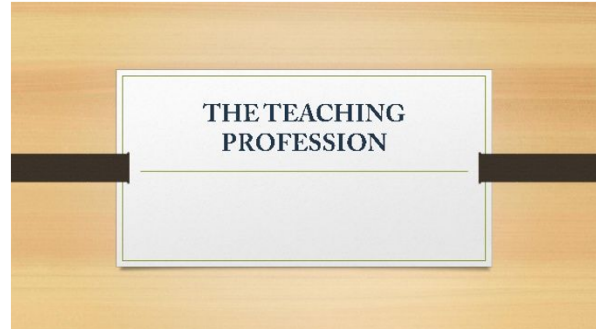
Lohgaon, Pune – 411047

| Affiliated to SPPU, Pune | Accredited with 'A' grade by NAAC | www.mmit.edu.in |

Teaching Profession

For the engineers who are oriented towards academics and have passion for teaching, can join an engineering college as a teaching profession, which also provides ample opportunities to grow further.

Along-with regular teaching you can mentor students to participate in various curricular and extracurricular activities and academic events.



Summarize: Create or choose your own path

A challenging question faced by all students is which profession should I choose and what are the job opportunities after its completion. As highlighted in the present article, there are ample career opportunities open after pursuing engineering. The engineering graduate should select the option that is best suitable for their own interest and choice and start planning for it well in advance.

Information Compiled by -

Dr. Umesh Moharil

Head, Department of Engineering Sciences

Marathwada Mitra Mandal's Institute of Technology (MMIT)

Lohgaon, Pune - 411047

www.mmit.edu.in

Email - umesh.moharil@mmit.edu.in