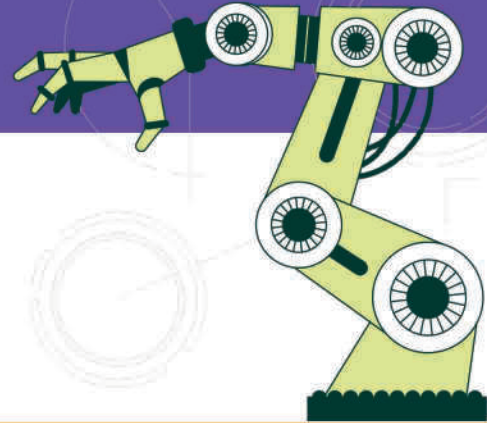# ROBOTICS ENGINEER

Robotics Engineers are responsible for designing, constructing, application and operation of robots that can help and assist humans. They also test the automated machines to ensure safety and also that they are economical to purchase.

PERSONAL COMPETENCIES ⭐

- You like Science and Math
- You like to analyse and solve problems
- You are good with computers
- You like to think out of the box

SCHOLARSHIPS

• Merit-cum-Means based Scholarship - About 20,000 such engineering scholarships are awarded by the Ministry of Minority Affairs every year. The full course fees of awardees is directly paid to their institutions under this scheme. *

• Indian Oil Educational Scholarship- The IOC Ltd offers 300 scholarships every year to eligible students. Students need to be enrolled in an undergraduate course. The scholarship particularly focuses on students with physical disabilities, women and students from North East and J&K.*

• Visit www.scholarships.gov.in the National Scholarship Portal. Under this portal there are central government schemes offered by different departments, UGC/AICTE Schemes and State Schemes.*

• Visit www.buddy4study.com a gateway to scholarships starting from Class XI.*

• Scholarships are made available by institutes themselves based on merit.*

*(Availability of these scholarships vary from time to time)

LOANS

• VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.

• Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.

• All banks give education loans.

FEES The approx. course fee ranges between **INR 70,000 to 3,00,000***

*(The above mentioned figures are approximate numbers. This will vary from Institute to Institute)

ENTRY PATHWAY

1. Complete 10+2 in Science stream with Physics, Chemistry and Mathematics
2. Complete Bachelor's degree (B.Tech./B.E.) in Robotics Engineering
OR
Complete Bachelor's degree (B.Tech. B.E.) in Mechanical Engineering and then do an M.Tech.
in Robotics Engineering
OR
Complete Diploma in Robotics Engineering

For admissions, you must qualify entrance examination conducted at national level (JEE Main, JEE Advanced etc.) or state level (WBJEE, AP EAMCET etc.) or institute level (VET, IP etc.)
Please check the duration of the course during enrolment

EXPECTED INCOME
*The figures are indicative & subject to change

The approx. salary of a Robotics Engineer ranges between **INR 10,250 – 83,000*** per month.

Source: https://www.payscale.com/research/IN/-Job=Metallurgical_Engineer/Salary

WHERE WILL YOU WORK

Places of Work: Manufacturing plants or laboratories of defence industry, medical equipment manufacturing, aerospace firms, research institutes.

Work Environment: You are expected to work indoors. You may be exposed to loud, distracting sounds or noise levels. You have to work 8 hours per day and overtime is common when deadline is nearing.

Opportunities for differently abled exist in this field

EXPECTED GROWTH PATH

Robotics Technician → Robotics Engineer → Sales Engineer → General Manager

WHERE WILL YOU STUDY?

The course is offered by the Department of Engineering.
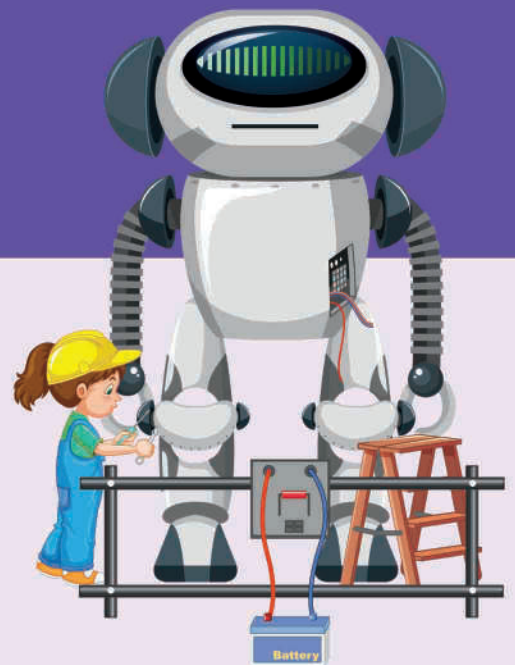*This list of institutes is indicative only*

GOVERNMENT INSTITUTES
1. University College of Engineering, Osmania University, Hyderabad
2. CITD Hyderabad – Central Institute of Tool Design
3. Central Tool Room and Training Centre, Bhubaneswar
4. Khwaja Moinuddin Chishti Language University, Lucknow
5. College of Engineering, Vadakara
6. College of Engineering, Pathanapuram
7. IIT Kanpur
8. DIAT Pune – Defence Institute of Advanced Technology

PRIVATE INSTITUTES
(Please check if institute is affiliated and accredited with UGC and AICTE before applying)
1. SRM University, Chennai
2. PSG Tech, Coimbatore
3. LPU, Jalandhar
4. Bharati Vidyapeeth Deemed University College of Engineering
5. School of Engineering and Technology, Jain University, Bangalore
6. Bannari Amman Institute of Technology, Tamil Nadu
7. Amrita School of Engineering, Coimbatore
8. Dr. DY Patil Institute of Technology, Pune

Search keywords... 🔍

robotics, robotics and automation, robotics engineer

EXAMPLE FROM THE FIELD 💬

Tanya Raghuvanshi is the co-founder and chief technology officer at Peer Robotics, a startup that designs collaborative robots to work alongside humans. She did her B.Tech. at IIT Delhi. She has an appetite for puzzles and problem solving.*

Source: *https://www.f6s.com/tanyaraghuvanshi*

The above information is for training purposes only and will not be used for any commercial gains.