

**INDUSTRIAL RESEARCH & CONSULTANCY CENTRE  
INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY  
Advertisement No.**

Applications are invited for filling the following positions on contractual basis in Department of Computer Science and Engineering for the e-Yantra project sponsored by MHRD. The positions are temporary initially for a period of one year and tenable only for the duration of the project.

Candidates will be selected on the basis of a walk-in interview as follows:

**Venue:** Embedded & Realtime Systems (ERTS) Lab,  
SIC-102, KReSIT building,  
IIT Bombay, Powai, Mumbai 400076

**Date & Time:** Mon. 3rd Dec. 2018 at 9:30am

The interview comprises online and written tests followed by an interview for the shortlisted candidates. The requisite qualifications & experience etc. are given below:

**1. Sr. Project Technical Assistant (Rs. 30,000 – 42,000 per month) (Consolidated Salary) – 6 positions (P-L1)**

**Essential Qualification** - B.E/B.Tech/ or M.Sc/MCA/M.Tech/ or PG Diploma in Electronics/Electrical/ Instrumentation

**Job Profile:**

Designing robots for research and education, working on robotics, content generation for embedded systems based on robotics, conducting workshop and seminars for creating awareness about Embedded Systems and Robotics.

**Essential experience:**

- Applicant should have good background in Embedded systems, hands-on robotics, microcontroller programming, Real-Time Operating Systems. Programming proficiency in C/C++, Python and exposure to RTOS concepts will be essential.
- Applicants must be familiar with Electronic hardware design, Image processing, Robotic Operating System (ROS), Machine Learning etc. Applicants who have performed well in robotics competitions will be given preference. Should possess excellent analytical and logical skills.

**Desirables:**

- Knowledge of Electronic hardware design, Image processing.
- Excellent analytical and logical skills.
- Participated in the e-Yantra Robotics Competition (eYRC)
- Candidates having valid GATE score will be preferred.

**2. Sr. Project Technical Assistant (Rs. 30,000 – 42,000 per month) (Consolidated Salary) – 6 positions (P-L1)**

**Essential Qualification** - B.E/B.Tech. in Computer Science or IT or MCA

**Job Profile:** Managing web-related activities and databases, architectural design, database design, programming/software development

**Essential Experience:**

- Experience in SQL server, PHP, Laravel, Ajax, Android platform
- C/C++, Python, based web portals, PostgreSQL/MySQL, Linux platform and Open Source technologies, systems administration & network administration
- Git, Github, user interfaces, good understanding in web API, experience in systems administration & network administration and in handling web/App/DB servers on Linux platform is desirable.

**Desirable experience:**

- Java, J2EE, Spring, Hibernate, Jersey, Struts, JQuery, "My Batis", JSP, Groovy on Grails developer, Node.js, DB knowledge (PL/SQL / SQL Server), Web-Services, XML, JSP/Servlet, Vue.js
- Should possess excellent analytical and logical skills.