



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT064/2022**

**Job Title**

Senior Research Fellow

**Job Reference Number**

50294668

**Application End Date**

08.06.2022

**Type of Employment**

Proj. Staff Contract

**No. of Position(s)**

1

**IITB Project Recruitment:**

Project title: Design and Development of Harmonic Drive

Job: Design and Development of Harmonic Drive and its test rig.

**Essential Qualifications & Experience:**

BTech/MTech in Mechanical Engineering with minimum 2 years of research experience typically in design engineering and product development. GATE qualification is essential.

Good understanding of the basics of kinematics and dynamics of machine components.

Familiar with commercial solid modeling software and background in mechatronics.

Good coding skills in Matlab/Python.

**Job Profile:**

Design a prototype of a harmonic drives as per the required specifications.

Coordinate with vendors for fabrication of the drive. Responsible for design of test rig, testing and characterization of the drive. Work in team with FEA engineer to optimize the design.

**Pay Details:**

Consolidated salary Rs.35000/- p.m. + HRA

**General information:**

The position is temporary for a period of 1 year and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: [recruit@ircc.iitb.ac.in](mailto:recruit@ircc.iitb.ac.in)