

**Junior Research Fellow (JRF) or Project Assistant (PA)**  
**SysIDEA Robotics Lab**

**Broad Subject Area:** Robotics / Control Systems

**Minimum Qualification:** B.Tech / B.E in Mechanical / Electrical / Electronics / Instrumentation Engineering or allied areas from a reputed college.

**Salary:** Monthly remuneration will be between Rs. 25,000 and Rs. 31,000 per month (depending on qualifications and position).

**Project:** Development of Multiple Robotic Systems.

**Desired Background:** Strong foundation in one of the areas of dynamical systems, control systems, mechanical design, or robotics hardware is highly desired. Prior experience with building electronics, mechanical design, robotic systems and/or other experimental skills will be desirable.

**No. of posts:** 2

**Description:**

The successful candidates will have an opportunity to contribute to multiple exciting projects involving designing and building robots with applications in defense, space, and industry. These projects involve multidisciplinary skills including modeling, simulations, development of the hardware prototypes, electronics, coding, and experimental testing.

The candidates are expected to have strong interests and some prior foundation in one of the areas from dynamical systems, mechanical design, electric motor/actuators, controls, robotics, or relevant embedded systems. Some prior expertise in building robot hardware will be helpful. Familiarity with Python, C, Matlab, Labview, or STM32 or other microcontrollers will be a plus. The successful candidates are also expected to bring a positive and enthusiastic attitude to the lab and work collaboratively with several other lab members on this project. An open-mindedness and a willingness to learn new hardware, software and theory skills as the project demands is a must given the multidisciplinary nature of the projects. The successful candidates should be proficient in written and verbal communication, which is necessary to collaborate

effectively in a multidisciplinary team environment and present and explain the technical information.

The candidate will work in the SysIDEA Robotics lab ([website](#), [youtube channel](#)) and will have plenty of opportunities to interact and collaborate with other labs in mechanical engineering, electrical engineering, and in cognitive sciences. The lab has a vibrant environment and has a diverse and interdisciplinary set of individuals and we work on a range of robotics and control systems projects ranging from fundamental theory and its hardware validation to robotic systems for specific applications (with human subject trials in some cases).

The tenure for this position is 6 months with a possibility of renewal based on performance, project requirements, and availability of funding.

Please submit the resume and a short statement of 250-300 words highlighting your career goals and your motivation to apply for this position, and a list of referees (preferably three) using [this form here](#) latest by **November 25, 2022**. For any questions, you may write to Prof. Harish P. M. at [sysidea@iitgn.ac.in](mailto:sysidea@iitgn.ac.in).