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Adv. No. 9/2022

## JOB OPENING

### RESEARCH ASSISTANT- ROBOTICS

Integral University (IU) is striving to excel in the field of robotics. The Integral Robotics Lab (IRL) has recently come into inception, to promote and facilitate robotics related projects. As a research assistant, your primary tasks will be to:

- Assist ongoing research projects in the field of robotics, control and machine learning
- Manage the physical space of the robotics lab

You will get hands-on experience with robotics projects ranging from everything from drone, spherical robots to robotics arm. You will work closely with the faculty and student team of the Integral Robotics

Lab. It is a challenging job in a very dynamic environment. You will become a part of a culture and organization in constant rapid development, and you will have a lot of influence on this development.

#### Requirements :

We expect that you have :

- A Bachelor's degree, preferably in engineering
- Programming knowledge in either C++ or Python. Matlab/Simulink is a plus
- Knowledge of electronics peripheral interfacing, such as different types of sensors, actuators, single board computers, etc.
- Knowledge of 3D Designing software, 3D printing, PCB designing is preferable but not mandatory.
- Demonstrable experience in motion planning algorithms, control algorithms, computer vision is a plus.
- High level of self-drive, energy and can-do attitude
- Excellent communications skills
- Particular interest within team formation and dynamics would be an extra plus
- Business fluent English and Hindi language skills
- Creativity, endurance, team-play, passion are a plus
- You are able to work in a team, take initiative, are result oriented and systematic

#### Who are we?

Integral Robotics Lab is the robotics innovation hub of IU. Our goal is to become the forefront of robotics research, and contribute to the rising demands of automation ranging from agriculture to construction.

#### Terms of employment

You will be employed at Integral Robotics Lab and the workplace is IU Campus, Kursi Road, Lucknow (UP), India

#### Application and contact

You can apply for the position online through the Career page on [www.iul.ac.in](http://www.iul.ac.in). The last date of application is **15 July 2022**. Any enquiries pertaining to the position may be sent to [robotics\[at\]iul.ac.in](mailto:robotics[at]iul.ac.in).

IU is an equal opportunity employer. All interested candidates irrespective of age, gender, race, disability, religion or ethnic background are encouraged to apply

#### About the University

Integral University is built on strong foundations. We are helping to create a better world and to solve the global challenges formulated in the UN's 17 Sustainable Development Goals. Prof. S.W. Akhtar founded IU in 1997 with a clear vision to integrate the ebullience, intellect and dynamism of youth with decency, decorum, discipline and dedication through value-based quality education. That vision lives on today. For years, our students have proven to be entrepreneurial problem-solvers, both in business and social context. IU has over 12,000 students from over 30 countries. We work in an inclusive, evolving, and respectful working environment.

RANKED AMONGST

**THE TOP TWO PRIVATE UNIVERSITIES**  
of Uttar Pradesh in  
**INNOVATION & RESEARCH**

Source : Scimago Institutions Ranking 2019

Celebrating  
**24** years of  
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Research Organisation by the Department of  
Scientific & Industrial Research, Ministry of  
Science & Technology, Govt. of India.