iHub Drishti Foundation
Indian Institute of Technology Jodhpur
Project Recruitment
Project Associate
TIH/iHub Drishti/2022-23/Project Recruitment/10; Dated 30 August 2022
N.H. 62, Nagaur Road, Karwar, Jodhpur 342030, Rajasthan (India)
Website: https://ihub-drishti.ai/ *eMail:* hr@ihub-drishti.ai

iHub Drishti Foundation, Indian Institute of Technology, Jodhpur (iHub Drishti) is a Section-8, Not-for-profit Company, promoted by and at the Indian Institute of Technology Jodhpur under a National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS) of the Government of India. iHub Drishti is a Technology Innovation Hub focussed around "Computer Vision, Augmented Reality and Virtual Reality".

iHub Drishti Foundation, IIT Jodhpur invite applications from Indian Nationals for filling up the following temporary position in the Project titled:

<p style="color:red; text-align:center;">***"Generalizing Robot Perception for Indoor and Outdoor Scenarios by Combining Spatial and Semantic Reasoning"***</p>

Project Brief:

Autonomous robots are being used for many applications including home safety, simplify shopping, precision agriculture, autonomous forestry, infrastructure inspection and others. All these robots utilize visual sensing for spatial reasoning - typically through Simultaneous Localization and Mapping (SLAM) algorithms that allows them to map the environment and locate themselves within that environment for navigation as well as task-specific reasons such as inspection. This project goal is to develop novel SLAM pipelines that can perform both mapping as well as assist in navigation. The novel SLAM algorithm will enable generality for indoor and outdoor environments, and efficiency in terms of computational overhead.

Position: Project Associate (*The position is purely temporary on contractual basis)*

No. of positions: 02

Job Description: The Project associate will develop a novel SLAM algorithm in simulation and implement the algorithm in hardware. Further, they need to collect data for a dataset creation.

Qualifications, Knowledge and Expertise

Essential:

- **B.Tech/BE/BS/MS/M.Tech. in CSE/IT/EEE/ECE/Mechanical**

Desirable:

- **Have some experience in Robotics/Vision/Estimation/Control**
- **Implementation of robotion motion planning or SLAM algorithms in any language**
- **ROS + GAZEBO/ MATLAB**
- **Programming in C++/Matlab/Python**

iHub Drishti Foundation
Indian Institute of Technology Jodhpur
Project Recruitment
Project Associate
TIH/iHub Drishti/2022-23/Project Recruitment/10; Dated 30 August 2022
N.H. 62, Nagaur Road, Karwar, Jodhpur 342030, Rajasthan (India)
Website: https://ihub-drishti.ai/ eMail: hr@ihub-drishti.ai

Salary:

Essential Qualification	Monthly Emoluments (INR)
Bachelor of Engineering/ Bachelor of Technology/Bachelor of Science	31,000/- + HRA (As per Norms)
Masters Degree in Science /Master of Technology	35,000/- + HRA (As per Norms)

Job Location: IISER Bhopal

Mode of Selection: Interview

Application Deadline: 10 September 2022

Duration of Appointment: 12 Months

Information regarding the application process:

 Applications will be accepted via (https://tinyurl.com/ihubdrishtiProjectrec10).Interested candidates may apply by *Uploading their updated Curriculum vitae covering educational and professional qualifications in the relevant field along with wet lab skill set, publications (if any), and contact information of two academic referees, work experience, last salary drawn, contact details, and references with necessary documentary evidences annexure. (PDF FORMAT)*

(1) Applicants are advised to ensure, before applying, that they possess at least the minimum essential qualification and experience laid down for the post.

(2) Eligibility of a candidate and satisfaction of any other short-listing criteria shall be considered as on the last date of the submission of the online application.

(3) In case of exceptional candidates, the iHub Drishti foundation reserves the right to relax qualifications and/orexperience.

(4) *Shortlisted candidates shall be called for the further recruitment process.*

(5) iHub Drishti Foundation reserves the right to fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason.

(6) No hard copy application is to be submitted. No email application is to be submitted.

(7) No TA/DA shall be paid to the candidates for attending the interview.

(8) No correspondence will be entertained from the candidates in connection with the process of selection/interview.

(9) Canvassing in any form will be a disqualification. Application which is incomplete, not in prescribed format, will be summarily rejected.

iHub Drishti Foundation
Indian Institute of Technology Jodhpur
Project Recruitment
Project Associate
TIH/iHub Drishti/2022-23/Project Recruitment/10; Dated 30 August 2022
N.H. 62, Nagaur Road, Karwar, Jodhpur 342030, Rajasthan (India)
Website: https://ihub-drishti.ai/ *eMail:* hr@ihub-drishti.ai

(10)   Application with insufficient information or without relevant supporting documents will not be considered for further processing. Applications without self-attested supporting documents will be summarily rejected.

(11)   Persons employed in Government/ Quasi-Government organizations should submit their applications through proper channels.

(12)   Specific queries, if any, may be directed to the e-mail: hr@ihub-drishti.ai.

(13)   iHub Drishti foundation may verify the antecedents or documents submitted by a person at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents or background and has suppressed the said information, then his or her services shall be terminated.

(14)   Any dispute with regards to the selection/recruitment will be subject to Courts / Tribunals having jurisdiction at Jodhpur.