iHub Drishti Foundation
Indian Institute of Technology Jodhpur
Project Recruitment
Junior Research Fellow
TIH/iHub Drishti/2022-23/Project Recruitment/06; Dated 13 June 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 focused 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:
"Real-Time 3D Scene Reconstruction and Localization of Autonomous Ground Vehicles in Unknown Environment"

Position: Junior Research Fellow (*The position is purely temporary on contractual basis*)

No. of positions: 02

Job Description (JRF):

The main aim of this project is to design and implement a fast and accurate algorithm for simultaneous sequential 3D map reconstruction of an unknown and dynamic environment and pose estimation of the autonomous ground. For testing the algorithm, a new dataset is required to collect using the sensors LiDAR scanner, stereo camera, IMU, and GPS. The candidates are expected to set up a system for data collection, collect the dataset under various environmental conditions, contribute in algorithm design and implementation, and test the developed algorithm.

Essential qualification: BTech/M.E./M.Tech. with specialization in Electrical Engineering/Electronics Engineering/ Computer Science/Data Science with first class or equivalent. GATE qualification in relevant discipline is Mandatory.

Desired Skills:

- ✓ Proficiency in programming in C/C++/python.
- ✓ Working experience on the robot operating system (ROS).
- ✓ Sound knowledge of fundamentals of Image Processing/3D Computer vision/3D Reconstruction.
- ✓ Experience in Deep Learning/Machine Learning is desirable.
- ✓ Good communication skills and ability to cooperate within a team.

Shortlisted candidates will be called for a written Test or personal/online interview.

Application Deadline: Applications will be accepted until the position is filled

iHub Drishti Foundation
Indian Institute of Technology Jodhpur
Project Recruitment
Junior Research Fellow
TIH/iHub Drishti/2022-23/Project Recruitment/06; Dated 13 June 2022
N.H. 62, Nagaur Road, Karwar, Jodhpur 342030, Rajasthan (India)
Website: https://ihub-drishti.ai/ *eMail:* hr@ihub-drishti.ai

Information regarding the application process:

Applications will be accepted via (https://tinyurl.com/ihubdrishtiProjectrec6).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.

(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.