iHub Drishti Foundation
Indian Institute of Technology Jodhpur
Project Recruitment
Young Professional-II
TIH/iHub Drishti/2022-23/Project Recruitment/18; Dated 27 March 2023
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 for filling up the following temporary position in the Project titled:

<p style="text-align:center;color:red;">**"Computer vision based monitoring of fishes in marine cage farming"**</p>

Essential qualification:

1. Young Professional-II (Engineering): One post

Essential Qualifications: M. Tech./ Master's Degree in Engineering with specialization in Computer Science/ Computer programming/ Information Technology/ Software Engineering/ Machine Learning/ Electronics and Communication/ Communication and signal processing/ Embedded Systems/ Artificial Intelligence/ Digital Image Processing, with a minimum of 60% marks.

<p style="text-align:center;">**(or)**</p>

B. Tech./ B.E. degree in Computer Science and Engineering/ Electronics and Communication Engineering/ Electrical Electronics/ Electronics and Instrumentation Engineering/ Artificial Intelligence/ Machine Learning/ Digital Image processing, with a minimum of 60% marks and a minimum one year of experience in related fields with documentary proof for experience.

2. Young Professional-II (Fisheries): One post

Essential Qualifications: Master's Degree in Fisheries Science (MFSc)/ Master's in Zoology with specialization in Fisheries Science/ Batcher's Degree in Fishers Science (BFSc)

Desirable qualification and Experience:

Young Professional-II (Engineering): Evidence of experience in working in areas of still and video image processing for feature extraction, identification, segmentation, and related algorithm and coding/ Python programming with a good idea on Keras/ PyTorch/ TensorFlow; Computer Programming and writing algorithms and cods; Computer vision, Multiple Object tracking and Motion Estimation; Deep learning and Artificial Intelligence; Machine learning/ implementing Neural Networks and related publications in high impact journals. Candidate has to certify that they can swim as the work involve sea-going.

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Young Professional-II (Fisheries): Experience in fish disease management, experimental induction and monitoring of fish disease symptoms, aquaculture, fish behaviour, marine cage farming, photography, and videography, especially underwater; knowledge of video image processing, annotation using related tools. Sound knowledge and experience on application of MS Office, Excel and Power Point. Experience claimed shall be supported with evidence and publications. Candidate has to certify that they can swim as the work involve sea-going.

Job Description:

Young Professional-II (Engineering): Capture video and images of fishes stocked in onshore tanks and offshore marine cages from the establishments of ICAR-Central Marine Fisheries Research Institute and its out stations and offshore cage installations; video editing, processing, feature extraction, identification, segmentation, object tracking, object trajectory tracking, motion estimation, image programming and writing related algorithms and cods to relate the images with real life vital statistics of the fishes in tanks/ cage through AI and deep learning and development of automated scheme for monitoring vital statistics of fishes stocked in marine cages. The work also involves extensive travel and going to offshore installations.

Young Professional-II (Fisheries): Capturing videos of fishes stocked in onshore tanks and offshore marine cages from the establishments of ICAR-Central Marine Fisheries Research Institute and its out stations and offshore cage installations; measurement of related vital statistics of the fishes, fish disease management, experimental induction and monitoring of fish disease symptoms, fish behaviour, tagging of fishes, and also to work with the engineering team. The work also involves extensive travel and going to offshore installations.

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

Salary: Rs. 35,000/- per month (Consolidated: All Inclusive)

Duration: The post(s) is purely temporary and contractual for a period of 01 Year, and extension based on satisfactory performance and on need basis, but co-terminus with the duration of the project

Age limit: The minimum age limit is 21 years and maximum age limit is 45 years with relaxation as per norms.

Place of Work: Place of work shall be the ICAR-Central Marine Fisheries Research Institute, Kochi, but will have to travel to out stations and offshore cage installations, as needed, for the project.

Application Deadline: The last date for submission of application online on or before **28 April 2023**.

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Information regarding the application process:

Applications will be accepted via (https://tinyurl.com/ihubdrishtiProjectrec18).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)   The post(s) is purely temporary and contractual and are co-terminus with the duration of the project.

(2)   Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature

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

(4)   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.

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

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

(7)   iHub Drishti Foundation reserves the right to:
 a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time.
 b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason.
 c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.

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

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

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

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

(12)   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.

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

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

(15)   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.

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

Officer In-charge
iHub Drishti Foundation
TIH on CV-ARVR, NM-ICPS
Indian Institute of Technology Jodhpur