

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:

“Computer vision based monitoring of fishes in marine cage farming”

Project Description: The project involves the generation of video images of fishes stocked in tanks/ marine mariculture offshore cages and measurement of length, weight, and growth of the fishes, fish health behaviour monitoring, and application of computer vision technologies to estimate count, size, weight, growth and health status from the videos through application of related algorithms for machine learning, artificial intelligence, etc., as needed. The selected candidates will have to work with the PI at ICAR-Central Marine Fisheries Research Institute, Kochi or any of its Centres/ Stations as needed.

1. Young Professional-II: One post (The position is purely temporary on a contractual basis)

Minimum Essential Qualifications: Graduate Degree with at least 60% marks in Computer Application/ Software Engineering/ Artificial Intelligence/ Machine Learning/ Digital Image Processing with One year experience in the relevant field.

Or

Master's Degree with at least 60% marks in Computer Application/ Software Engineering/ Artificial Intelligence/ Machine Learning/ Digital Image Processing.

Desirable Experience: **Young Professional-II (YP-II):** Experience in areas of video image feature extraction, identification, segmentation, and related algorithm and coding/ Python programming with a good idea on Keras/ PyTorch/ TensorFlow; Computer vision, Multiple Object tracking and Motion Estimation; Deep learning and Artificial Intelligence; Machine learning. Candidate has to certify that they can swim as the work involves sea-going.

Job Description: **Young Professional-II (YP-II):** Capture video and images of fishes stocked in onshore tanks and offshore marine cages; video editing, processing, feature extraction, identification, segmentation, object tracking, object trajectory tracking, motion estimation, and writing related algorithms and codes to relate the images with real-life vital statistics of the fishes through AI and deep learning and development of automated scheme for monitoring of fishes stocked in marine cages.

2. Young Professional-I: One post (The position is purely temporary on a contractual basis)

Minimum Essential Qualifications: Graduate Degree with at least 60% marks in Fisheries or Zoology with specialization in Fisheries.

Desirable Experience: **Young Professional-I (YP-I):** Experience aquaculture, experimental induction and monitoring of fish disease symptoms, fish behaviour, marine cage farming, knowledge of video image processing, and annotation using related tools. Sound knowledge and experience in the application of MS Office, Excel and PowerPoint. The experience claimed shall be supported with documentary evidence. Candidate has to certify that they can swim as the work involves sea-going.

Job Description: **Young Professional-I (YP-I):** Capturing videos of fishes stocked in onshore tanks and offshore marine cages; measurement of related vital statistics of the fishes, fish disease management, experimental induction and monitoring of fish disease symptoms, fish behaviour, tagging of fishes. The work also involves extensive travel and going to offshore cage installations.

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

Salary: Rs. 30,000/-per month (thirty thousand) only for YP-I and Rs. 42,000/-per month (forty-two thousand) only for YP-II (All fixed and consolidated; no HRA will be provided)

Duration: The post(s) is purely temporary and contractual for Eleven months, but likely to be extended on a need basis considering performance, but co-terminus with the project.

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

Place of Work: The place of work shall be the ICAR-Central Marine Fisheries Research Institute, Kochi, but will have to travel to or stay at outstations and offshore cage installations, as needed, for the project.

Application Deadline: The last date for submission of application online on or before 31/05/2024.

Information regarding the application process:

Applications will be accepted online via <https://tinyurl.com/tihihubdrishtiProjectreco1> only. Interested candidates may apply online by uploading their updated curriculum vitae covering name, post applied for, date of birth, educational and professional qualifications with marks obtained and experience in the relevant fields, with list of publications (if any), and contact information, including email and phone. Candidates will have to indicate names and contact (email and phone) of two academic referees; besides work experience, the last salary drawn (if any), with necessary documentary evidence for all claims as 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/or experience.
- (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.
- (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