भारतीय प्रौद्योगिकी संस्थान तिरुपति
INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
CENTRE FOR
SPONSORED RESEARCH AND CONSULTANCY
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P – 517619

No.: Advt/ IITT/CSRC/2024-25/32 **Date: 25-11-2024**

Applications are invited from eligible Indian nationals for Two Junior Research Fellow posts in a sponsored project undertaken in the Department of Civil & Environmental Engineering.

Position	**Junior Research Fellow**
Essential Qualification	(i) M.E/M.Tech/MS/MSc in Water Resources Engineering/Remote Sensing/Computer Science/Agricultural Science or MCA in computer science/ relevant discipline (ii) B.E/B.Tech in Civil Engineering/Computer Science/Agricultural Science or BCA in computer science/ relevant discipline (iii) CGPA in graduate course: 6.5 or above, Marks: 65% or above (iv) Relaxation of CGPA: 6.0 for OBC/EWS, 5.5 for SC/ST/PWD. (v) Relaxation of marks: 60% for OBC/EWS, 55% for SC/ST/PWD
Desirable Qualification	Be qualified in the GATE or CSIR-UGC NET in a relevant discipline
Research Area/ Project title	A web-based Tool for Statistical Downscaling of Hydroclimatic Variables-Application of Machine Learning Algorithms
Project No	CIE2425001MOESROSH
Sponsoring Agency	Ministry of Earth Sciences
No. of Position	**Two** ➢ One Candidate from Water Resources/Hydrology/Remote Sensing/Agriculture ➢ One Candidate from Computer Science/MCA
Monthly Salary	JRF Rs. 37,000 + HRA as applicable
Principal Investigator	Dr. Roshan Karan Srivastav
Department/Centre	Civil & Environmental Engineering
Maximum Tenure of Assignment	Initially for 1 Year, with possible extension for 2 more years based on performance
Desired Experience	➢ Prior experience in working with machine learning algorithms and statistical downscaling techniques. ➢ Hands-on experience with programming languages ➢ Knowledge of climate data analysis and hydroclimatic models would be an added advantage. ➢ Computer science graduates: Full Stack Developer, Cloud computing
Brief Project Description and Nature of the Work	The project involves the development of a web-based tool for statistical downscaling hydroclimatic variables using machine learning algorithms. The tool will facilitate integrated watershed management by evaluating sub-grid-level future climate predictions to account for the potential impacts of climate change on hydroclimatic variables at any location in India.

Age Limit	The maximum age limit is 30 years as of the closing date of the application. Age relaxation applicable as per Government of India (GoI) rules
Last date application	Dec 10, 2024 (5:00 PM)
Application Link	https://forms.gle/HwbUiYZhbvRxzEDT8

Eligible candidates must attach a detailed CV specifying their Qualifications and Experience with scanned copies of marksheets and certificates from X class till date. A brief statement of purpose (Why they are interested in this project topic?) also to be attached with the application link.

The shortlisted candidates will be informed by Email only. Selection will be based on the qualification, experience, and in-person interview at IIT Tirupati. **No TA/DA shall be paid to candidates appearing for an interview online or offline**. The interview date will be notified to the shortlisted candidates by Email.For any quieries send mail to csrc_recruitment@iittp.ac.in

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