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Indian Institute of Technology Mandi
Kamand – 175 075, District – Mandi, Himachal Pradesh, India

No. IITM /DST/MTH/319   Date: 17/01/2022

<u>Advertisement No.: IITM/DST/MTH/319-20/12/2021</u>

Applications from Indian nationals are invited under the following project on temporary basis with consolidated salary. The renewal of services for few months/a year or up to the duration of the project will be based on satisfactory performance.

Title of the Project	Sustainable Irrigation Advisories for Mid-Himalayan Farmers using Smart Satellite Image Analytics.
Funding Agency	DST
Name(s) of the Project Investigator(s)	Dr. Manas Thakur
School/Center	SCEE
Duration	Initially for 2 years (extendable until the end of the project, subject to performance and availability of funds). It must be noted that the JRF appointed in the project, on attaining 2 years of research experience, might be considered for SRF subject to evaluations as per prevailing norms.

Post (s)	Consolidated Pay-slab / Salary	Qualifications
Post 1: Project Associate-I/JRF (IoT/Machine Learning)	Rs. 31,000 pm (+HRA, if applicable)	**Eligibility:** Valid GATE score/National eligibility test and B.Tech in EE/ ECE/ CSE/ IT or equivalent disciplines with 60% in relevant subjects; Documented evidence (research projects/ papers/ work experience) in the area of Internet-of-Things or Machine Learning or Computer Vision.
Desired Skills :		Strong programming skills in Python; experienced in implementation of sensor systems using Raspberry Pi and Arduino boards; experienced in image processing using deep learning; excellent communication skills; ability to work both independently and as part of a multidisciplinary team; willingness to travel to and work in agricultural field environment.
Post 2 :Project Associate-I/JRF (Agricultural Science)	Rs. 31,000 pm (+HRA, if applicable)	**Eligibility:** Postgraduate/Graduate degree in relevant areas of Biological Sciences (Agriculture, Plant Sciences, Seed Sciences etc) with valid GATE score/National eligibility test in Life Sciences or Biotechnology.

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Desired Skills :	Proven track record of working in Agriculture projects with experience in conducting field experiments on various crops, strong communication skills, data analysis, record keeping and ability to work both independently and as part of a multidisciplinary team; willingness to travel to and work in an agricultural field environment.

The candidates who are interested to apply for the above post are required to send their detailed CV/Resume along with a covering letter on or before **31st January 2022**, to the email ID mentioned below:

Post 1: srikant@iitmandi.ac.in   **Post 2**: shyam@iitmandi.ac.in

Co-Principal Investigators: Dr. Shyam Masakapalli (Associate Professor, SBS, IIT Mandi), Dr. Srikant Srinivasan (Associate Professor, SCEE, IIT Mandi), Dr. Ramna Thakur (Associate Professor, SHSS, IIT Mandi).

IIT Mandi reserves the right to fix higher criteria for shortlisting of eligible candidates from those satisfying advertised qualifications and requirement of the project post. Shortlisted candidates will be informed separately and will be required to appear for an online interview. The date and time of the interview along with the online link will be shared by email with candidates before the interview. The decision of the selection committee regarding the interview logistics and selection process for the post will be final. The selection committee reserves the right to fill or not fill the advertised post. For any additional clarifications/information, please contact Dr. Manas Thakur at manas@iitmandi.ac.in.