



R&D AD-01

Advertisement for Technical Assistant and Field Worker in an IGSTC Project

Applications are invited from suitable candidates for multiple positions to work on the IGSTC project entitled “MELODY: Machine Learning and Remote Sensing Synergy for Sustainable Crop Production” project under the supervision of the PI of the project (Dr. Neeraj Goel and Dr. Mukesh Saini) at IIT Ropar.

Brief description of the project:

The MELODY project is a collaborative Indo-German initiative aimed at advancing sustainable agriculture through the integration of machine learning, satellite remote sensing, and agro-ecosystem modeling. The project seeks to develop an Agricultural Sustainability Key Performance Indicator (ASK) tool that can monitor and improve crop production sustainability by analyzing factors such as crop type, phenology, fertilizer efficiency, pesticide use, soil carbon sequestration, and crop yield. Using satellite data, AI-driven models, and field-level inputs, the project will provide actionable recommendations to farmers, policymakers, and agribusinesses to optimize resource usage, reduce environmental impact, and enhance food security.

The detailed information is given below:

Description	Details
Principal Investigators (PI)	Dr. Mukesh Saini & Dr. Neeraj Goel
Name of Position	1. Technical assistant 2. Field worker
No. of Position	1. Technical assistant (1) 2. Field worker (1)
Essential Qualification	Technical Assistant: Bachelor's degree in agriculture science or computer science from a recognized university. Field worker: Bachelor's degree in any discipline from a recognized university.
Nature of work	Technical assistant: Collection, cleaning, and annotation on the computer workstation. Managing cloud and services Field worker: On field data collection, cleaning, and annotation

	*Please see the project description above for details.
Tenure of Post/ Nature of Appointment	Both posts are temporary and for a period of two years.
Fellowship per month	Technical assistant: Rs 27,000 + HRA Field worker: Rs 24,000 + HRA
Last date to apply	October 23, 2026
How to apply	Online using the following link: https://forms.gle/1ZGnQMkPwyFxlqDA
Note: • Only shortlisted candidates will be communicated through Email tentatively by June 1st November, 2026 to appear for an online/offline interview. The date of the online/offline interview will be tentatively on July 1, 2026. • No TA/DA will be given to the candidates for attending the interview. • The position is available immediately, so the selected candidate is expected to join immediately.	

Address of Principal Investigator

Dr.Mukesh Saini
#319, S Ramanujan Block,
IIT Ropar - Ropar, Punjab - 140001
Email: mukesh@iitrpr.ac.in