



अनुसंधान एवं विकास अनुभाग, भारतीय प्रौद्योगिकी संस्थान रोपड़
Research & Development Section, Indian Institute of Technology Ropar
Rupnagar, Punjab-140001, Ph. 01881-231151, E-mail: admin.rnd@iitrpr.ac.in

R&D AD-01

Advertisement for Research Associate, Project Associate, Project assistant and Field worked 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 Investigator (PI)	Dr. Neeraj Goel, Dr. Mukesh Saini
Name of Position	1. Research Associate 2. Project associate/JRF 3. Technical assistant 4. Field worker
No. of Position	1. Research Associate (1) 2. Project associate/JRF (2) 3. Technical assistant (2) 4. Field worker (1)
Essential Qualification	Research associate: PhD in Computer Science and Engineering, remote sensing or related field from a recognised university Project associate: B.Tech or M.Tech in Computer Science and Engineering or related field from a recognised university.

	<p>Project Assistant: Bachelor degree in agriculture science or computer science from a recognized university.</p> <p>Field worker: Bachelor degree in any discipline from a recognized university.</p>
Nature of work	<p>Research Associate: problem formulation, research, writing, development, and guiding the team towards the objective of the project.</p> <p>Project associate: Developing machine learning models, validation. Application development, data collection, annotation</p> <p>Project assistant: Collection, cleaning, and annotation on Computer workstation. Managing cloud and services</p> <p>Field worker: On field data collection, cleaning, and annotation</p> <p>*Please see the project description above for details.</p>
Tenure of Post/ Nature of Appointment	<p>All the posts are temporary and for a period of two years.</p> <p>Research associate, Project associate and Project assistant can be extended for one more year.</p>
Fellowship per month	<p>Research associate: Rs 58,000 + HRA</p> <p>Project associate: Rs 37,000 + HRA if GATE or NET qualification, else Rs 30,000 + HRA</p> <p>Project assistant: Rs 27,000 + HRA</p> <p>Field worker: Rs 24,000 + HRA</p>
Last date to apply	June 20, 2026
How to apply	<p>Online using the following link:</p> <p>https://forms.gle/oWXADuzY7ujn4Fwv5</p>
<p>Note:</p> <ul style="list-style-type: none"> • Only shortlisted candidates will be communicated through Email tentatively by June 23, 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. Neeraj Goel
#218, S Ramanujan Block,
IIT Ropar - Ropar, Punjab - 140001
Email: neeraj@iitrpr.ac.in