

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
(CIVIL ENGINEERING DEPARTMENT)**

ADVERTISEMENT TO FILL UP PROJECT POSITIONS

Dated: 21-07-2026

Applications are invited from Indian nationals only for time bound project position(s) as per the details given below for the research project(s) under the Principal investigator (Name: **Prof. R.D. Garg**), Dept./Centre: **Civil Engineering Department**, Indian Institute of Technology Roorkee.

1. Title of Project : **Autonomous Smart Pesticide Sprayer for Sustainable Agriculture: EcoSpray**
2. Sponsor of the Project : **Balmer Lawrie**
3. Duration : **For One Year (Extendable based on performance)**
4. Project position(s) and number : **Project Associate, One (1)**

Project Position	No. of Position	Minimum Qualification	Monthly Emoluments	Job Description
Project Associate (Tech.)	01	Qualification: B. Tech in Aerospace/ Mechanical Engineering Desirable: 0-2 years of experience with hands-on exposure to UGVs, robotics, or similar platforms - Proficiency in CAD tools such as SolidWorks, CATIA, or equivalent - Experience working with FEA tools (ANSYS Mechanical or equivalent) - Familiarity with mechanical system design, structures, and component integration - Programming exposure to Python or MATLAB/Simulink; CSWP in Mechanical Design certification is a plus	Rs. 35,000/- to Rs. 60,000 + HRA	- Lead the mechanical design and development of UGV platforms, including chassis, suspension, and structural systems - Develop detailed CAD models, assemblies, and production ready drawings for manufacturing - Perform design validation through simulations (FEA) and interpret results for performance improvement - Drive iterative design improvements based on testing feedback, constraints, and system requirements - Define material selection, tolerances, and manufacturing processes for optimized performance and cost - Oversee prototype fabrication, assembly, and system level integration - Ensure efficient packaging and mounting of onboard systems (electronics, sensors, payloads) - Generate and manage engineering documentation including BOMs, design revisions, and technical reports - Ensure adherence to design standards, safety requirements, and project timelines

Note:

- Job description given against each project at position is indicative and not the exclusive. Each project employee would be required to work in team across all activities of the project. Candidates with experience related to the job descriptions mentioned in above table would be given a preference.
- A contractual project staff to be appointed against this advertisement shall execute a Contract Agreement with P.I. at the time of joining with explicit provision that either side, the staff or P.I. may terminate the contract, by giving one-month' notice or one month's consolidated emoluments in lieu of the notice.

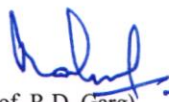
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3. Candidates before applying for the position shall ensure that they are eligible for the position they intend to apply. Selection would be based on screening of applications followed by interview of most suitable applicants.
4. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email on or before the last date of application:
 - a) Application with detailed CV including chronological order of degrees/certificates obtained.
 - b) Details of work done and experience, especially relevant to the position applied for.
 - c) Self-Attested copies of degrees/certificate and
 - d) experience certificates.
5. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
6. Preference will be given to SC/ST candidates on equal qualifications and experience.
7. Please note that TA/DA is not admissible for attending the interview.
8. Only the shortlisted candidates will be called for Interview.

The last date for application to be submitted is 6th August 2026 (by 5 P.M.).

Application Link: <https://forms.gle/76LHetuCHVwAa6Wj9>

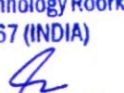

(Prof. R.D. Garg)
Name and Signature
of Principal Investigator

To be uploaded on IIT Roorkee website and a copy may be sent to appropriate addresses by PI for wider circulation.

APPROVED


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Roorkee-247 667 (INDIA)


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