

SRIC/06

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Polymer and Process Engineering)**

Dated: 17.09.2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal Investigator **Prof. Dharmansh**, Department of **Polymer and Process Engineering**, Indian Institute of Technology, Roorkee.

1. Title of project:
Development of biodegradable smart-packaging integrating PCM thermal buffering, stability theory-guided electro spun sensing layers, and AI/ML-enabled readout for rapid detection of food adulteration and spoilage
 1. Sponsor of the project: **Council of Science and Technology, Uttar Pradesh**
 2. Project position(s) and number: **01 Senior Research Assistant (SRA)**
 3. Age Limit: **Maximum 32 Years as on 01/04/2026**
 4. Qualifications:
 - **Indian citizens who are residents of Uttar Pradesh**
 - **1st class M.E./M. Tech. or equivalent degree in the relevant field**

or

M. Sc in chemistry or mathematics or equivalent degree with high academic attainment and at least two years of research experience after M. Sc., etc.

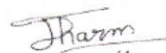
 - **Candidates with knowledge of computer programming and AI/ML are preferred.**
 5. Emoluments: **Rs. 28000/- PM**
 6. Duration: **02 years (extendable according to candidate performance and project duration)**
 7. Job description: **The role involves designing biodegradable smart food packaging with thermal-buffering layers and electrospun sensors, and creating AI/ML models for rapid data readout to detect food spoilage and adulteration.**
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1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post or produce at the time of Interview:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.

3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The last date for application to be submitted to Principal Investigator (Through email) is **01.10.2026 by 5 PM.**

The interview will be held **through online mode (details will be mailed to shortlisted candidates)**

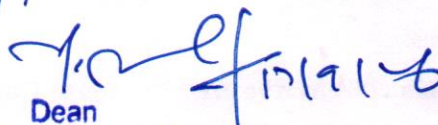


**Prof. Dharmansh
(Principal Investigator)**

Email: dharmansh@pe.iitr.ac.in

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

Approved



Dean

Sponsored Research & Industrial Consultancy
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