



अनुसंधान और विकास अनुभाग
भारतीय प्रौद्योगिकी संस्थान इंदौर
खंडवा रोड, सिमरोल, इंदौर - 453552, भारत
Research & Development Section
Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore 453552, India

IIT Indore

Advertisement for Recruitment of JRF/ SRF/ RA

Advt. No: _IITI/CHE/PROJ/ADV/2026/04		Date: __17 th Sep 2026__
Applications are invited from interested and motivated candidates for the post of __JRF__ in a research project as per the following details.		
Position	Junior Research Fellow (JRF)	
Funding Agency Name	IIT Indore Drishti CPS Foundation	
Number of Vacancies	One (01)	
Project Title	Dissipation-based paradigm for the fabrication of a synthetic heart	
Department	Chemical Engineering	
Duration of the Appointment	Initial appointment for 12 months. It can be extended further if the candidate’s performance is found satisfactory. (The selected candidate will be encouraged to register for the PhD program at IIT Indore as per institute norms). If selected for PhD program, the fellowship will be extended for PhD duration as per institute norms.	
Job Description	The selected JRF will simulate coarse-grained polymer models using molecular dynamics (MD)/ Brownian dynamics (BD) and perform analytical calculations to compute the viscoelastic characteristics of gels formed by such polymers and compare them against experimental data on the mechanical response of soft human tissues available in the literature.	
Essential Qualification	Minimum first class* bachelor’s degree in Chemical Engineering, Materials Science and Engineering, Chemistry, Physics or other related disciplines *First Class as defined by the IIT Indore (https://academic.iiti.ac.in/phdadvt.php)	
Desirable Qualification	The following are desired but not mandatory: • A good theoretical grasp on soft matter physics. • Hands-on experience with LAMMPS/HOOMD simulation packages.	
Age Limit	35 years	
Fellowship Details	₹ 37,000 per month + HRA (HRA will be provided if institute accommodation is not being provided/availed.)	
Date of Interview	The selected candidates will be called for the online interview on Oct 7, 2026	
Last Date of Applications	• The last date for submitting the application for the current cycle is Oct 2, 2026. • Incomplete applications will be rejected. • Please include the string “JRF-DRISHTI-2026” in the subject line of the job application email.	

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, GATE qualifying certificates (if any), Date of Birth Proof Certificate in a single PDF file to rkailasham@iiti.ac.in. (The selected candidate will be encouraged to register for the PhD program at IIT Indore as per the institute norms.) If selected for the PhD program, a fellowship will be extended for PhD duration as per institute norms

No TA/DA will be paid for appearing in the interview.

Only shortlisted candidates will be called for an interview. Selected candidates will be informed by email.