

Indian Institute of Information Technology Design and Manufacturing, Kurnool
An Institute of National Importance under Ministry of Education, Govt. of India

Junior Research Fellow: EV battery thermal management

One position in a time-bound research project funded by the Anusandhan National Research Foundation (ANRF), Department of Mechanical Engineering.



Last date to apply

24 October 2026, 11:59 PM

Position	Vacancy	Project duration	Advertisement no.
Junior Research Fellow	One	2 years	IIITDMKL/Project/ ANRF- PMECRG/2026/01

The project

Design and development of next generation high-capacity fast charging/discharging EV battery thermal management system

What you will work on

Thermal management of EV battery pack

Li-ion battery material

Liquid metal cooling

Phase change material

Numerical simulation of EV battery in Ansys Fluent or COMSOL Multiphysics

Who can apply

Essential

B.Tech / M.Tech / M.Sc with a first class degree from a recognized university or equivalent, in any of:

- Mechanical, Energy, Automobile, Production or Aerospace Engineering
- Manufacturing Engineering
- Materials Engineering, Materials Science or Metallurgical Engineering
- Thermal Engineering
- Physics

Desired

- Hands-on experience in heat transfer / thermal management, Ansys Fluent, COMSOL Multiphysics, phase change material and EV battery thermal management
- Good technical writing skills
- Ability to work independently and collaboratively
- Ph.D. scholars who have submitted their thesis or completed their Ph.D. may also apply for a short duration

Emoluments

With GATE or CSIR-UGC NET

Selected through a National Eligibility Test

1st year	₹37,000 + HRA
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2nd year, on upgrade to SRF	₹42,000 + HRA
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Without GATE or CSIR-UGC NET

No National Eligibility Test

1st year	₹30,000 + HRA
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2nd year, on upgrade to SRF	₹33,000 + HRA
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The 2nd-year upgrade depends on experience and Institute rules.

Nature of the post

Purely on a contract basis for one year, which may be extended for an additional year subject to satisfactory performance and availability of funds.

Ph.D. opportunity

The selected candidate can register for a Ph.D. at IIITDM Kurnool as per Institute rules, but must apply to the Ph.D. programme when its official advertisement is released.

How to apply

Fill in the application form attached to the advertisement, then submit it in one of two ways:

- Upload it through the Google Form, or
- Email the scanned, duly filled and signed form with the necessary testimonials to the Principal Investigator.

Open application Google Form

Interview date will be announced later on the Institute website (www.iiitk.ac.in).

Have ready for the form

- Passport-size colour photograph
- Name, date of birth (with proof), gender, marital status, nationality
- Community (proof for OBC/SC/ST) and PwD status (proof if yes)
- Email, phone, permanent and communication address
- Academic details from 10th onwards with proofs
- Experience (industry, research, teaching) with proofs
- Any other information, date, place and signature

Contact the Principal Investigator

Dr. Anuj Kumar, Assistant Professor

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Instructions to applicants

1. Only short-listed applicants will be called for the written test / personal interview.
2. Applicants who do not meet the required qualification will not be called. The Institute may fix suitable shortlisting criteria.
3. No interim correspondence or enquiries about shortlisting will be entertained.
4. Incorrect or false information can lead to cancellation of candidature or termination. Incomplete forms or forms without supporting documents will not be considered.
5. Applications not strictly in the given format will be rejected.
6. Canvassing in any form will disqualify the candidate.
7. No TA/DA is provided for the written test or interview.
8. Original testimonials will be verified at the interview.
9. Shortlisted candidates will be informed by email.
10. Updates and corrigenda appear only on the Institute website, not in newspapers or by separate communication.
11. The Institute may modify or cancel this advertisement or any part of it at any stage.

Summary of F. No. IIITDMKL/Project/ANRF-PMECRG/2026/01. Please refer to the official advertisement on www.iiitk.ac.in for the full notice.