

# NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

## Office of Research and Consultancy

### Selection process in Online/Offline

A (Online/Offline) selection process for the engagement of a **Junior Research Fellow** (on contract basis) for Research Project in the Department of Mechanical Engineering is scheduled to be held on 23 September 2025.

- No. of Positions** : 1
- Duration of Engagement** : Initially for 3 months and extendable up to 2 years based on performance and norms of funding agency
- Name of the sponsoring Agency** : ISRO
- Name of Project** : Evaluation of leak-proof surfaces in fluid components using image processing and machine learning technique
- Qualifications** : **Essential:**
- (i) B.Tech or M.Tech in Engineering streams related to Mechanical, Production, Chemical, Engineering Physics, Robotics, Electronics, EEE, CSE, AI and Data Science, IT with Programming skills **or** Master of Computer Application (MCA) with Programming skills **or** MSc (Electronics, Computer Science, Physics, Mathematics, Chemistry) with Programming skills
  - (ii) Qualified GATE in relevant Engineering Stream or CSIR UGC NET including Lectureship (Assistant Professorship) in relevant Science stream
- Desirable:** Knowledge and skill for development of machine vision system, image processing algorithms and machine learning models meant for automating the detection, analyses and classification of surface defects and flaws of aerospace system components
- Consolidated monthly pay** : Rs. 37,000 /-(Rupees Thirty-Seven Thousand) +18% HRA

**Last Date for application Submission** : 20<sup>th</sup> September 2025,

**Date for Selection Interview of the shortlisted candidates** : 23<sup>th</sup> September 2025

#### How to Apply:

1. Candidate have to fill the registration form given and submit the duly filled form (as annexed) along with the most recent CV, Soft-copies of the mark sheet/certificates in support their academic qualification/ experience. All the soft copies may be consolidated into a single pdf document and e-mail to "deepaklawrence@nitc.ac.in" and copy to "[medoffice@nitc.ac.in](mailto:medoffice@nitc.ac.in)" with subject line "Application for JRF – ISRO RESPOND Project 2025 Mechanical Engineering/DLK".
2. The applicant will be responsible for the authenticity of information, other documents and photograph submitted.
3. After shortlisting, the eligible candidates will be notified by email and are invited for the interview based on the essential qualification criteria.
4. The Institute reserves the right to relax qualification and experience for the candidates with exceptional credentials.
5. Applicants who are already in employment (government or any other organization) are required to submit a "No Objection Certificate" from the employer at the time of interview along with the above mentioned documents.
6. No TA/DA will be paid for appearing for the selection process.

  
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