



**PDPM INDIAN INSTITUTE OF INFORMATION
TECHNOLOGY, DESIGN AND MANUFACTURING,
JABALPUR**

(An Institute of National Importance established by Ministry of Education, Government of India)
Dumna Airport Road, Jabalpur - 482005, India

Advertisement for JRF Position in ANRF Sponsored Project PMECRG

Applications are invited from interested candidates for walk-in test/interview for the below mentioned position to work on an ANRF funded research project titled **"Synergistic Fusion of 6G Molecular Communication and Terahertz Systems for Early Cancer Detection and Targeted Drug Delivery"**.

Position & Number of Post: Junior Research Fellow (JRF) & One Post.

Problem Statement: This project aims to deliver state-of-the-art solutions for early in vivo cancer detection using molecular communication, alongside accurate cancer stage classification and tissue localization through machine learning. It also focuses on optimizing nanomachine-based drug delivery and analyzing terahertz wave attenuation for seamless interfacing with external devices.

Duration: Initially for one-year extendable for two more years based on satisfactory performance.

Eligibility: B.E./B.Tech or M.E./M.Tech with 1st class or equivalent in ECE or any allied branch relevant to the project. Preference will be given to GATE/NET qualified candidates. Age limit: As per ANRF guidelines.

Salary: Rs. 37,000 + HRA per month for the first 2 years and Rs. 42,000 + HRA per month for the 3rd year.

Desirables: Experience in areas of communication and signal processing is preferable.

Date of Test/ Interview: Tentatively, **06-08-2025 at 11.00 AM**. The Interview will be conducted in offline mode. The shortlisted candidates would be notified through email.

Note: 1. For any queries regarding the position, please feel free to contact **PI**.
2. No TA/DA will be given to the candidates for appearing in the interview.

Application Procedure: Candidates can apply for the above post by filling a Google form at <https://forms.gle/pzpLperVf9Cph63r8>

Important Dates: **Submission Deadline for Application Form: 30-07-2025**

The selected candidates will be eligible to register for the Ph.D. degree at PDPM IITDM Jabalpur, Madhya Pradesh as per the eligibility criteria against subsequent advertisement.

Principal Investigator (PI):
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