

**Institute of Infrastructure, Technology, Research and Management (IITRAM)**  
**Advertisement for recruitment of Junior Research Fellowship (JRF) at Centers of Excellence**  
**(Last date of online application: August 18, 2023)**

The Institute of Infrastructure, Technology, Research and Management (IITRAM) is an autonomous Institute established by the Government of Gujarat. The Institute has established Centers of Excellence (CoE) in the areas of Drone Technology, Advanced Defence Technology, Artificial Intelligence and Machine Learning, and Aerospace and Defence.

IITRAM invites applications from highly motivated candidates (Indian citizens) with excellent academic background to work as Junior Research Fellows (JRF) at different CoEs as per following details.

Sr. No.	Name of the Center	Position Code	Title of the Project	Name of Faculty Members(s)	No. of Position	Monthly Fellowship in Rs.	Essential Educational Qualifications
1	Center of Drone Technology (CDT)	CDT-1	Data- driven Aerodynamic Modelling, Parameter Estimation and control of UAVs	Dr. Ajit Kumar and Dr. Jagat Rath	01	31,000 + HRA	M.E./M.Tech. in Electronics/EC/IC/ Avionics/Flight Mechanics and Control/Electrical/ Aerospace Engg. or Relevant branch with 1st Division both at Graduate and Post Graduate level from the recognized University/ Institute
		CDT-2	Design and Analysis of Drone for high altitude operations	Dr. Abhishek Rawat and Dr. Ajit Kumar	02	31,000 + HRA Each	
2	Center for Advanced Defence Technology (CADT)	CADT-1	Development of Integrated Control and Communication Protocols for Platooning and Pattern Formation of Autonomous Ariel Vehicles for military applications	Dr. Axaykumar Mehta	01	31,000 + HRA	M.E./M.Tech. in Electronics/EC/IT/ Electrical/Computer/Bio-Medical/Aerospace Engg. or Relevant branch with 1st Division both at Graduate and Post Graduate level from the recognized University/ Institute
		CADT-2	Artificial Intelligence, Machine Learning and IoT Based Systems for Health Monitoring/Self Driving Cars	Dr. Manish Sharma	01	31,000 + HRA	
		CADT-3	Design, Synthesis, and Characterization of Nano composites for Defence Applications	Dr. Mithilesh Dikshit and Dr. Ganesh Iyer	01	31,000 + HRA	

3	Center for Artificial Intelligence and Machine Learning (CAIML)	CAIML-1	Machine Learning based Differential Protection of the Transformer using Edge-cloud computing	Dr. Krupa Shah and Dr. Manish Chaturvedi	01	31,000 + HRA	M.E./M.Tech. in Computer/IT/ Computer Science/Electrical Engg. or Relevant branch with 1st Division both at Graduate and Post Graduate level from the recognized University/Institute
		CAIML-2	Design and Development of a computer vision enabled adaptive traffic signal control system	Dr. Manish Chaturvedi and Dr. Raghvendra Bhalerao	01	31,000 + HRA	
4	Center for Aerospace and Defence (CAD)	CAD-1	Online Tool wear Monitoring System in High Performance Machining for Aerospace Materials	Dr. Mithilesh Dikshit and Dr. Ajit Kumar	01	31,000 + HRA	M.E./M.Tech. in Aerospace/ Mechanical/ Metallurgical/ Material/Instrumentation Engg. or Relevant branch with 1st Division both at Graduate and Post Graduate level from the recognized University/Institute
		CAD-2	Design and development of Wire Arc Additive Manufacturing (WAAM) process for fabrication of Aerospace Structural (AS) materials	Dr. Kamlesh Joshi and Dr. Navneet Khanna	01	31,000 + HRA	

**General Conditions:**

1. Upper Age Limit: 28 years as on the closing date of receipt of application. The upper age limit shall be relaxed to the candidates belonging to Scheduled Castes, Scheduled Tribes and OBC as per the Government of Gujarat norms.
2. The initial appointment will be for one year but extendable for three years (one year at a time) after satisfactory performance evaluation at the end of each year.
3. How to apply: Candidates must apply online on the Institute portal at [www.iitram.ac.in/career](http://www.iitram.ac.in/career).
4. Please mention the name of the Center and Code for which the application is submitted. Separate applications must be submitted for each position.
5. Upload the certificates in support of educational qualification, school leaving certificate/birth certificate/Aadhar card in support of date of birth, GATE/NET score card (if applicable) valid as on closing date of application, and caste certificate.
6. Director General, IITRAM reserves the right to reject the candidature.