

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

(An Institute of National Importance established under an Act of Parliament)

Jais, Amethi – 229304, Uttar Pradesh

Dated: 08/10/2026

ADVERTISEMENT FOR THE POSITION OF JUNIOR RESEARCH FELLOW (JRF)

UNDER INSTITUTE RESEARCH GRANT (IRG-2607)

Applications are invited from eligible and motivated candidates for One (01) Junior Research Fellow (JRF) to work in the Institute Research Grant (IRG) funded research project entitled “**Sustainable plastic waste recycling technologies for high-value product manufacturing.**” The selected candidate will contribute to research related to plastic waste recycling, zero-waste recycling and biogas production systems.

Title of the Project	Sustainable plastic waste recycling technologies for high-value product manufacturing
Project Code	IRG-2607
Sponsoring Agency	Institute Research Grant (IRG), Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais
Name of the Post	Junior Research Fellow (JRF)
No. of Post	01
Project Duration	Three Years
Duration of Appointment	Initially for Six Months, extendable based on satisfactory performance in the project.
Fellowship	₹37,000/- per month (Consolidated, as per IRG norms).

Essential Qualification

- M.Tech./Integrated M.Tech. in Mechanical Engineering or equivalent degree in relevant area with minimum 60% marks (or equivalent CGPA) from a recognized University/Institute.

OR

- B.E./B.Tech. in Mechanical Engineering or equivalent degree in relevant area with 75% marks or equivalent CGPA from a recognized University/Institute.
- Qualified NET/GATE with a valid score of any year will give more advantages in selection.

Desirable Qualification

- Knowledge of Solid Waste Management, especially plastic waste management.
- Skills in AutoCAD, SolidWorks, Python and MATLAB are desirable.
- Experience in handling Scanning Electron Microscope (SEM), Gas Chromatography (GC), Fourier Transform Infrared Spectroscopy (FTIR), and CHNS instruments will be an added advantage.

Research Responsibilities

- The selected candidate will participate in research related to plastic waste recycling technologies for Zero-Waste Recycling and Biogas Production Plant.

- Work will include waste plastic characterization, thermo-mechanical recycling, product manufacturing, process optimization, thermal conversion/fuel characterization, experimental analysis and integrated system validation, as relevant to the project.

Terms & Conditions

- Relaxation in the minimum qualifying percentage of marks and age limit will be applicable as per Government of India rules for SC/ST/OBC/Physically Challenged candidates.
- Institute Research Grant (IRG) rules and RGIPT regulations shall be applicable.
- The appointment is purely temporary and co-terminus with the project.
- Only shortlisted candidates will be informed through Email/Phone.
- No TA/DA will be paid for appearing in the interview.
- RGIPT reserves the right not to fill the position if suitable candidates are not found or to modify the selection process without assigning any reason.

Ph.D. Opportunity

Based on satisfactory performance, the selected candidate may be considered for admission to the Ph.D. Programme at RGIPT, subject to fulfilling the Institute's eligibility criteria and selection procedure.

How to Apply

Interested candidates should send a cover letter, detailed Curriculum Vitae, self-attested copies of educational certificates and mark sheets, NET/GATE score card, research publications (if any), and experience certificates (if any) in a single PDF file to nmtripathi@rgipt.ac.in on or before **20th October 2026 (06:00 PM)**. The subject of the email should be **"Application for Junior Research Fellow (IRG-2607)"**. Original documents must be produced at the time of the interview.

Naveen
08/10/26

Dr. Naveen Mani Tripathi

Principal Investigator (IRG-2607)

Assistant Professor, Department of Mechanical Engineering

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