NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

[An Institute of National Importance under Ministry of Education, Govt. of India]
Sector 1, Rourkela, Sundergarh Dist., Odisha 769 008
SPONSORED RESEARCH INDUSTRIAL CONSULTANCY CONTINUING EDUCATION

NITR / SR / 2025 / Advt.- 25CR047 / L / 096 dt. 20-Nov-2025 **Ref: FTS** **SR-R03**

Advertisement for Recruitment of Project Position

Candidates who fulfill the below mentioned criteria may submit the application form before the last date. Engagement will be purely on temporary / contractual basis and co-terminus with the completion of the project. Candidates are advised to go through the advertisement details carefully before applying.

1.	Title of the Project:	Consortium of Technologies for Sustainable Agriculture, Health, Energy and Environment.			
2.	Project Code, Dept. with Closing Date:	SR-25-CR-047	13-Oct-2030	ANRF-PAIR	
3.	Funding Agency Details:	4211- ANRF [3499 0201 0052 015]		-	
4.	PI details:	Prof. Swadesh Kumar Pratihar		skpratihar @nitrkl.ac.in, 0661-246 2206	
		9437391103	-	- @ -NA-	
5.	Co-PI details:	Prof. Himanshu Bhushan Sahu		hbsahu @nitrkl.ac.in, 0661-246 2606	
		9437245625	-	- @ -NA-	

6. Details of the Post(s):

Junior Research Fellow (JRF)
[Name of the Post(s)]

36 No(s)
[No. of Post(s)]

05 Year(s), 00 Month(s)
(Tenure of Post)

Year 1 & 2

INR 37,000.00 /- per month
(+) HRA @ NA % (if applicable)

Year 3 (till complete of project)

INR 42,000.00 /- per month
(+) HRA @ NA % (if applicable)

7. Educational Qualification & Working Knowledge

Essential Qualification (s):

Details in Annexure - I

Experience / Software / Skillset & Desirable Qualification:

Details in Annexure - I

Job Description:

Details in Annexure - I

Walk-in (offline)Interview details: 09-Dec-2025 | 10:00 AM | Department as mentioned in Annexure-I

Application link for eligible candidate(s): NIT Rourkela Homepage ➡ FACULTY & STAFF ➡ SRICCE ➡ Career ➡ Notices

The candidate(s) are required to send the complete filled and signed application (soft copy) with documents regarding educational qualification indicating percentage of marks / division (mark-sheets and / or certificates), research papers (if any), work experience certificate (if any) etc., This may be built as a single PDF file and sent by email with "Advertisement No." on the subject link to the above mentioned e-mail IDs. NO hard copies of application(s) are required to be sent to the Institute. Last date for submitting the Application: 08-Dec-2025

The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project. Selection / Joining will be cancelled in case of any suppression of information / document submitted.

NIT Rourkela reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post. Only short-listed candidates will be informed for Online interview. In case, any clarification is required on eligibility regarding the above post, the candidate may contact in the above mentioned details.

Age Guideline: The upper age limit for applying for the award of project position shall be 28 years, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates). Upper age limit shall be reckoned as on the last date of receipt of applications.

Any other terms & conditions governed as per guidelines issued by the funding agency for the engagement of above position as amended from time to time shall be in force towards this temporary recruitment.

Kindly refer Annexure - I for details.

Sd/-
Asst. / Dy. / Jt. Registrar (SR)

Copy to:

- PI & CO- PI: Prof. Swadesh Kumar Pratihar , CR & Prof. Himanshu Bhushan Sahu MN
- Chairman, DRC, Dept. of CR
- Head of the Department / Centres / Units (It is requested that the contents of the above advertisement be brought to the notice of the staff(s) / student(s) working in your Deptt. / Centre / Unit.)
- Dealing Seat (SR – Project Recruitment)
- Advertisement File
- → *To publish advertisement at NITR website.*

NITR- ANRF-PAIR JRF Recruitment **Annexure-I**

Essential Qualification for all the posts is as follows:

Junior Research Fellow (JRF)

Post Graduate degree in basic science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:

a. Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including Lectureship (Assistant Professorship) and GATE.
b. The selection process through National Eligibility Examinations conducted by Central Government Departments and their Agencies and Institutions such as DBT, DST, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.

Desirable Qualifications are mentioned in the below table against each posts.

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
A3.1	1	Bio Char, soil enhancement, bioelectric signal	A Master's degree in Engineering (any branch) / Medicine / Dental / Pharmacy / Veterinary OR a bachelor's degree in Engineering (any branch) / Medicine / Dental / Pharmacy / Veterinary with valid GATE / NET / BET / GPAT score OR a MSc degree in Biotechnology / Life Sciences / Physics / Chemistry / Allied Sciences with 1st class in UG and PG degree with a valid GATE / NET / BET / GPAT score or any National level eligibility test. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	BM	P. Balasubramanian balap@nitrkl.ac.in
A1.3	1	Real-Time Systems, IoT, Machine Learning	B.Tech / M.Tech in Computer Science and Engineering / Information Technology OR MCA OR MSc in Computer Science / Information Technology. Must have qualified in GATE or any National Level fellowship. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	CS	Manmath N. Sahoo sahoom@nitrkl.ac.in Santos K. Das dassk@nitrkl.ac.in
A2.2	1	Image Processing, Computer Vision, Machine Learning, IoT	B.Tech / M.Tech in Computer Science and Engineering / Information Technology OR MCA OR MSc in Computer Science / Information Technology. Must have qualified in GATE or any National Level fellowship. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	CS	Pankaj K. Sa PankajKSa@nitrkl.ac.in
A3.2	1	Machine Learning, Spatial Data Analytics, Predictive Modeling	B.Tech / M.Tech in Computer Science and Engineering / Information Technology OR MCA OR MSc in Computer Science / Information Technology. Must have qualified in GATE or any National Level fellowship. BE/B.Tech/MCA/M.Sc. or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	CS	Sibarama Panigrahi panigrahis@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
A3.4	1	Image Processing, Computer Vision, Machine Learning, IoT	B.Tech / M.Tech in Computer Science and Engineering / Information Technology OR MCA OR MSc in Computer Science / Information Technology. Must have qualified in GATE or any National Level fellowship. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	CS	Sabyasachi Mishra mishrasa@nitrkl.ac.in Pankaj K. Sa PankajKSa@nitrkl.ac.in
A2.1	1	Organic reaction mechanisms, Spectroscopy and analytical skills	Master's degree (M.Sc.) in Chemistry or a specialization in Organic Chemistry with at least 65 % marks or CGPA ≥ 6.5/10 with a relaxation of 5% for SC/ST/OBC (non-creamy layer)/PwD/Women students. Must have secured 1st class in 10th, 12th, and B. Sc. Must have a valid score/rank in GATE/NET	CY	Niranjan Panda npanda@nitrkl.ac.in
A1.4	1	Computer Vision, Machine Learning	BTech (with GATE) / MTech in Electronics / Electrical / Electronics & Communication / Electronics & Telecommunication / Electronics & Instrumentation / Applied Electronics & Instrumentation / Electrical & Electronics Engineering / Computer Science/Computer Science and Engg./Biomedical and allied, OR MCA/MSc (with GATE/Any National Level fellowship) in Electronics/ Computer Science/ Information Technology/Physics/Mathematics and allied. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	CS	Samit Ari samit@nitrkl.ac.in Ajit K. Sahoo ajitsahoo@nitrkl.ac.in Upendra K. Sahoo sahooupen@nitrkl.ac.in
A1.5	1	IoT, Computer Vision, Machine Learning, Edge Computing	BTech (with GATE) / MTech in Electronics / Electrical / Electronics & Communication / Electronics & Telecommunication / Electronics & Instrumentation / Applied Electronics & Instrumentation / Electrical & Electronics Engineering / Computer Science/Computer Science and Engg./Biomedical and allied, OR MCA/MSc (with GATE/Any National Level fellowship) in Electronics/ Computer Science/ Information Technology/Physics/Mathematics and allied. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	EC	Umesh Chandra Pati ucpati@nitrkl.ac.in, Santos K. Das dassk@nitrkl.ac.in
A3.3	1	Bioactive compounds, Ultrasonic Assisted Extraction, Cold Plasma-Assisted Extraction	B. Tech with M.Tech in Food Processing Engineering / Food Technology / Agricultural Process Engineering / Post Harvest Engineering / Agricultural Engineering or any other relevant branch of Engineering/Technology. BE/B.Tech/MCA/M.Sc or equivalent with a CGPA of 7.0 or 65% marks. ME/M.Tech with at least 6.5 CGPA or 60% marks.	FP	Arun Prasath Venugopal varun@nitrkl.ac.in
A4.1	1	Plant molecular biology/ genetics/Cell biology/Molecular biology techniques	M.Sc. / M.Tech (or equivalent) in Life Science/ Botany/Biotechnology/ Biological Sciences/Biochemistry/Genetics/equivalent with a minimum 60% of marks or 6.5 CGPA on 0-point scale, with a valid GATE score or NET certificate of CSIR/UGC/DBT/ICAR (LS/PhD/JRF)	LS	Binod Bihari Sahu sahub@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
H1A	1	Impact of diet on protein-membrane interaction and drug-binding to protein and membrane, molecular dynamics simulation.	**Desirable Qualifications:** MSc in Life Science or any branch of biological sciences *(with minimum 65% marks or 7.0 CGPA)* GATE/NET Opportunity to register for Ph.D. at NIT Rourkela (subject to fulfilling the institute's eligibility criteria).	LS	Prof. Bibekanand Mallick mallickb@nitrkl.ac.in
H1A	1	Impact of diet on protein-membrane interaction and drug-binding to protein and membrane, molecular dynamics simulation.	**Desirable Qualifications:** MSc in Life Science or any branch of chemical sciences with GATE/NET *(with minimum 65% marks or 7.0 CGPA)* Opportunity to register for Ph.D. at NIT Rourkela (subject to fulfilling the institute's eligibility criteria).	CY	Prof. Usharani Subuddhi subuddhiu@nitrkl.ac.in
H1B	1	Use of in-silico, fluid-mechanics, and spectroscopic techniques to understand drug discovery, drug-protein interaction and their interaction with protein and membrane to establish a reliable therapeutic procedure and drug screening mechanism	**Desirable Qualifications:** • M.Sc. /M.Tech./M.E. in Mechanical Engineering, Biomedical Engineering, Computational Mechanics, Artificial Intelligence, or related fields *(with minimum 65% marks or 7.0 CGPA)* • GATE / NET qualified • Familiarity with Machine Learning / Deep Learning (using Python, TensorFlow, or PyTorch)	ME	Prof. Kishore Singh Patel patelks@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
H2B	1	Development of multi-channel remote patient monitoring DAQ system & SoC design	**Desirable Qualifications:** M.E./M. Tech. in Electronics/Electrical/Instrumentation or similar with specialization in VLSI/Instrumentation/Electronics/ Electrical or similar with above 60% marks at both UG and PG levels OR B.E./B. Tech. in Electronics/Electrical/Instrumentation or similar with above 60% marks and qualified in GATE/NET OR MSc in Electronics with above 60% marks and qualified in GATE/NET. Previous experience in Analog IC design in Cadence and embedded system design with micro-controllers are desirable.	EC	Dr. Sougata Kumar Kar kars@nitrkl.ac.in
H2A	1	Development of remote patient monitoring device with 5G secured communication	**Desirable Qualifications**: M.E./M. Tech. in Electronics/Electrical/Instrumentation or similar with specialization in wireless Communication Systems/ Signal Processing/ Image Processing/ Instrumentation/ AI/ML or similar with above 60% marks at both UG and PG levels OR B.E./B. Tech. in Electronics/Electrical/Instrumentation or similar with above 60% marks and qualified in GATE/NET or MCA/MSc in Electronics/Computer Science/ Information Technology. Proficiency in programming languages (MATLAB/Python)	EE	Prof. Suman Kumar Dey deysk@nitrkl.ac.in
H2D	1	Analysis of Real-time data from EEG, wearable devices, and medical images for disease prediction.	**Desirable Qualifications**: M.E./M. Tech. in Electronics/Electrical/Instrumentation or similar with specialization in wireless Communication Systems/ Signal Processing/ Image Processing/ Instrumentation/ AI/ML or similar with above 60% marks at both UG and PG levels OR B.E./B. Tech. in Electronics/Electrical/Instrumentation or similar with above 60% marks and qualified in GATE/NET or MCA/MSc in Electronics/Computer Science/ Information Technology and qualified in GATE/NET. Proficiency in programming languages (MATLAB/Python)	EE	Dr. Anwesha Sengupta senguptaan@nitrkl.ac.in
H3B	1	Development of Multi-Organ-On-Chip Models Integrated with Biosensors for Physiological, Pathophysiological, and Drug Discovery Applications.	M.Tech./ M.Sc. with First class in Biotech/Biomedical Equivalent with minimum 60% or 6.5 CGPA from a recognized university/institute. Candidates must have qualified CSIR-UGC NET or GATE Examination to apply under JRF.	BM	Prof. Amrita Singh singham@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
H3C	1	Self-powered wearable devices and drug delivery systems with biosensors for continuous healthcare monitoring	**Desirable Qualifications and experience**: M. Sc. in Chemistry with 65% marks or 7.0 CGPA. Valid NET / GATE Score 1 yr experience in laboratory work	CY	Prof. Sasmita Mohapatra sasmitam@nitrkl.ac.in
H3C	1	Self-powered wearable devices and drug delivery systems with biosensors for continuous healthcare monitoring	**Desirable Qualifications:** MSc in any biological sciences with NET/GATE B.Tech/M.Tech in Biotechnology/Biomedical Engineering/Electrical Engineering (Biology in 12th). A GATE qualification is mandatory for B.Tech applicants.	LS	Prof. Bismita Nayak nayakb@nitrkl.ac.in
E1.1	1	Bi-functional pyrochlore/perovskite electrocatalysts	BE/B.Tech/M.Sc. (with GATE) with a CGPA of 7.0 or 65% marks OR M.Tech in Ceramic Engg. /Metallurgical and Materials Engg./Chemical Engg. /Mechanical Engg. /Biomedical Engg. /Nanotechnology /Biotechnology OR MSc (with GATE) in Physics /Chemistry /Materials Science /Nano Science with at least 6.5 CGPA or 60% marks.	CR	Prof Swadesh K Pratihar skpratihar@nitrkl.ac.in
E1.2	1	MOF and MOF-derived metal sulfide nanomaterials	MSc (with GATE/NET) in Physics /Chemistry/ Applied Chemistry /Industrial Chemistry /Materials Science /Nano Science with a CGPA of 7.0 or 65% marks	CY	Prof Braja Gopal Mishra brajam@nitrkl.ac.in
E1.3	1	Nano-heterostructures and perovskite-supported MXene photocalaysts	MSc (with GATE/NET) in Physics /Chemistry/ Applied Chemistry /Industrial Chemistry /Materials Science /Nano Science with a CGPA of 7.0 or 65% marks	CY	Prof Priyabrat Das dashp@nitrkl.ac.in
E2.1	1	Nanostructured electrodes for Li/Na ion batteries	BE/B.Tech/M.Sc. (with GATE) with a CGPA of 7.0 or 65% marks OR M.Tech in Ceramic Engg. /Metallurgical and Materials Engg./Chemical Engg. /Mechanical Engg. /Biomedical Engg. /Nanotechnology /Biotechnology OR MSc (with GATE) in Physics /Chemistry /Materials Science /Nano Science with at least 6.5 CGPA or 60% marks.	CR	Prof Partha Saha sahap@nitrkl.ac.in
E2.4	1	Nanostructured electrodes for Li/Na ion batteries	BE/B.Tech/M.Sc. (with GATE) with a CGPA of 7.0 or 65% marks OR M.Tech in Ceramic Engg. /Metallurgical and Materials Engg./Chemical Engg. /Mechanical Engg. /Biomedical Engg. /Nanotechnology /Biotechnology OR MSc (with GATE) in Physics /Chemistry /Materials Science /Nano Science with at least 6.5 CGPA or 60% marks.	CR	Prof Shantanu K Behera beherash@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
E4.1	1	Synchronization, energy management, & protection strategies for microgrid	MTech/ME/M.S. in Electrical / Control Engineering/ Energy Engg. or equivalent, relevant to the area of research OR BTech/BE in Electrical/ Control Engineering or equivalent Engineering or equivalent, and having a CGPA/CPI score of 7.00 (out of 10.0) and above with a valid GATE score can apply for admission to the PhD programme. Power Systems, Microgrid Control, Operation, and Cybersecurity, Power Electronics and Drives, Active Power Filter, Renewable Energy & EV, AI/ML-based Control Applications, Battery, Hydrogen Storage, Fuel Cells, Supercapacitors.	EE	Prof. Pravat Kumar Ray rayp@nitrkl.ac.in
E4.2	1	Green Hydrogen Integration and Microgrid Stability	MTech/ME/M.S. in Electrical / Control Engineering/ Energy Engg. or equivalent, relevant to the area of research OR BTech/BE in Electrical/ Control Engineering or equivalent Engineering or equivalent, and having a CGPA/CPI score of 7.00 (out of 10.0) and above with a valid GATE score can apply for admission to the PhD programme. Power Systems, Microgrid Control, Operation, and Cybersecurity, Power Electronics and Drives, Active Power Filter, Renewable Energy & EV, AI/ML-based Control Applications, Battery, Hydrogen Storage, Fuel Cells, Supercapacitors.	EE	Prof. Monalisa Pattnaik pattnaikm@nitrkl.ac.in
E4.3	1	Power Electronics Development for DERs	MTech/ME/M.S. in Electrical / Control Engineering/ Energy Engg. or equivalent, relevant to the area of research OR BTech/BE in Electrical/ Control Engineering or equivalent Engineering or equivalent, and having a CGPA/CPI score of 7.00 (out of 10.0) and above with a valid GATE score can apply for admission to the PhD programme. Power Systems, Microgrid Control, Operation, and Cybersecurity, Power Electronics and Drives, Active Power Filter, Renewable Energy & EV, AI/ML-based Control Applications, Battery, Hydrogen Storage, Fuel Cells, Supercapacitors.	EE	Prof. Susovon Samanta samantas@nitrkl.ac.in
E4.4	1	Grid-Interactive AC-DC Microgrid System Analysis and AI/ML-based Energy Forecast	MTech/ME/M.S. in Electrical / Control Engineering/ Energy Engg. or equivalent, relevant to the area of research OR BTech/BE in Electrical/ Control Engineering or equivalent Engineering or equivalent, and having a CGPA/CPI score of 7.00 (out of 10.0) and above with a valid GATE score can apply for admission to the PhD programme. Power Systems, Microgrid Control, Operation, and Cybersecurity, Power Electronics and Drives, Active Power Filter, Renewable Energy & EV, AI/ML-based Control Applications, Battery, Hydrogen Storage, Fuel Cells, Supercapacitors.	EE	Prof. Arnab Ghosh ghosha@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
E4.6	1	RE Integrated Secure Network Control and Protection	MTech/ME/M.S. in Electrical / Control Engineering/ Energy Engg. or equivalent, relevant to the area of research OR BTech/BE in Electrical/ Control Engineering or equivalent Engineering or equivalent, and having a CGPA/CPI score of 7.00 (out of 10.0) and above with a valid GATE score can apply for admission to the PhD programme. Power Systems, Microgrid Control, Operation, and Cybersecurity, Power Electronics and Drives, Active Power Filter, Renewable Energy & EV, AI/ML-based Control Applications, Battery, Hydrogen Storage, Fuel Cells, Supercapacitors.	EE	Prof. Jatin Pradhan pradhanjk@nitrkl.ac.in
N1.1	1	Impact of climate change on water quality and groundwater recharge in a river basin	**Desirable Qualifications:** MSc, MSc (Tech) or M. Tech in Geology, Applied Geology, Earth Science, Environmental Science, Remote Sensing, Atmospheric Science and/or allied discipline with CGPA 7.0 or 65% marks. For applicants with a valid GATE/NET/GPAT or equivalent score, the requirement may be relaxed by a maximum of 0.5 CGPA or 5% marks.	ER	Prof. Sk. Md. Equeenuddin equeen@nitrkl.ac.in
N1.2	1	Screening and characterization of suitable biosorbent and biochar for chromium adsorption	**Desirable Qualifications:** B.Tech with GATE, M.E./M. Tech in Biotechnology/ Environmental Engineering/ Environmental Biotechnology/ Agricultural Engineering/Chemical Engineering, or similar fields. BSc, MSc with GATE/NET with specialization in biotechnology/Microbiology/ Environmental Science/ Botany. The candidate should have a CGPA of 7.0 or above (equivalent to 65% marks) or have passed the higher secondary examination with a 1st class or mathematics.	BM	Prof. Angana Sarkar sarkara@nitrkl.ac.in
N1.4	1 JRF /PA*	Development of sustainable adsorbents from industrial wastes to remove heavy metals and other chemical pollutants in polluted water streams and water bodies around mining areas of Odisha	**Desirable Qualifications:** B.E. or B.Tech. in Mining/Civil/Environmental/Chemical or allied Engg. with GATE score or M.E./ M. Tech. Mining/Civil/Environmental/Chemical or allied Engg. with a GATE score with minimum 65% marks (7 CGPA), or an MSc in Geology / Geo-Physics / Environmental Science / Remote Sensing / Mathematics / Statistics / Chemistry / Physics/ allied disciplines (with GATE/NET/National level eligibility test) with minimum 65% marks or 7.0 CGPA. Applicants with a valid GATE/NET/GPAT score or its equivalent may have the requirement relaxed by a maximum of 0.5 CGPA or 5% marks. Preference to candidates with Experience in fabrication, chemical testing, and field work in the environmental domain Candidates with lower qualifications may be considered for the Project Associate Post	MN	Prof. H. B. Sahu hbsahu@nitrkl.ac.in

Project #	JRF #	Broad Area of Research	Qualification	Department / Location of Interview	Investigators Contact
N 2.3	1	Development and Optimization of Janus Nanofiber Membrane Fabrication Techniques for Advanced Air Purification Applications	**Desirable Qualifications:** B.Tech/B.E. in Mechanical/Aerospace/Industrial Design/Production/Mining/Energy/Chemical Engineering or other allied branches with minimum CGPA of 6.5 or 60% from a recognized Technical Institute/University with GATE Qualified or M.E/M.Tech In Mechanical Engineering/Production Engineering/Manufacturing Technology/Industrial Engineering/Energy Engineering/Machine Design/Thermal Engineering/Production Engineering/Cryogenic/Aerospace/Chemical Engineering with a minimum CGPA of 7.0 or 65% from a recognized Technical Institute/University. 60% marks or 6.50 CGPA with GATE/NET/other state/national level recognised exam Score	ME	Prof. B. Kiran Naik naikkb@nitrkl.ac.in
N 2.4	1 JRF /PA*	Developing an AI-based intelligent dust control system for the mitigation of fugitive dust generated in coal mines of Odisha	**Desirable Qualifications**: B.Tech/M.Tech in Mining / Civil / Environmental / Chemical / Electronics / Electrical / Instrumentation / Computer Science / IT / Mechanical / Metallurgical, Materials Engineering, any other relevant field. or MSc in Geology / Geo-Physics / Environmental Science / Remote Sensing / Mathematics / Statistics / Chemistry / Physics/allied disciplines. Minimum 60% marks or 6.50 CGPA with GATE/NET/other state/national level recognised exam Score. More preference to candidates with Experience in IoT, circuit designs, communication protocols, coding, and mine field work Candidates with lower qualifications may be considered for the Project Associate Post	MN	Prof. Tushar Gupta guptat@nitrkl.ac.in
N3.1	1	Environmentally Degradable Supramolecular Plastics for Sustainable Solutions	**Desirable Qualifications:** M.Sc. in Chemistry (or Industrial / Applied / Environmental / Polymer / Materials Chemistry) with 65% marks or 7.00 CGPA with a valid GATE/NET score	CY	Prof. Bimalendu Adhikari adhikarib@nitrkl.ac.in
N3.4	1	Development of Sustainable Geopolymer Concrete	**Desirable Qualifications:** B.Tech/B.E. in Civil Engineering with a minimum CGPA of 6.5 (60%)/1st class with valid GATE/NET score, and M.E./M.Tech in Structural Engineering/Construction Technology and Management/Construction Management/Construction Technology with a minimum CGPA of 6.5/Percentage 60% /1st class from a recognized Technological University Good Background in Concrete Technology with a valid GATE/NET Score	CE	Prof. Subhajit Mondal mondalsubhajit@nitrkl.ac.in

- *(*) PA-I may be considering for any one post.*
- *Application / Inquiry may kindly be sent to the relevant Investigator as mentioned at the column (Investigators Contact) project wise.*
- *Qualification and other requirements are as per the ANRF notification attached.*