



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

No. NITR/AC/Res/2026/M/0916

10<sup>th</sup> April, 2026

**Notice For Admission To Ph.D. Programme Commencing in  
Autumn (July) Semester Of AY 2026-27**

Applications are invited **online** from interested & eligible candidates for admission to Ph.D. Programme of the Institute in **Autumn (July)** Semester of the **Academic Year 2026-27**. Admission will be given preferably to the applicants who are eligible for Institute fellowship or have qualified for External fellowship. However, admission may also be considered without fellowship. Students with external fellowship like NET-JRF are especially encouraged to apply.

Sl.	Name of the Department	Code	Indicative Broad Area of Research Available
1	<b>Biotechnology and Medical Engineering</b>	<b>BM</b>	Biomechanics And Bio-Transport, Biomaterials And Tissue Engineering, Medical Electronics And Instrumentation, Cell And Molecular Engineering, Bioprocess Engineering, Agricultural And Environmental Biotechnology, Energy And Environment, Medical Image And Signal Processing, AI/ML In Biomedical Engineering.
2	<b>Civil Engineering</b>	<b>CE</b>	Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering, Environmental Engineering, Construction Technology & Management.
3	<b>Chemical Engineering</b>	<b>CH</b>	Catalysis and Reaction Engineering, Energy Storage and Conversion Materials, Process Systems Engineering, Environment Engineering and Pollution Control, Computational Modeling and Simulation, Nanomaterials and Advanced Materials, Sustainable and Renewable Energy, Separation and Purification, Fluid Dynamics, Fluidization Engineering, Molecular Simulations, Targeted Drug Delivery Systems, Computation Fluid Dynamics, AI/ML in Chemical Engineering, Immunosensors Engineering, Microfluidics, Semiconductors Devices, Process Simulation and Modeling, Process Optimization/Intensification/ Design & Development, Hydrogen Energy, Carbon Capture & Utilization, Polymer Science & Engineering, Waste to Wealth, Waste water treatment, Life Cycle Assessment, Sustainable process design, Machine Learning.
4	<b>Ceramic Engineering</b>	<b>CR</b>	Advanced Materials For Energy Storage, Nanomaterials For Hydrogen Production And Storage, Advanced Biomimetic Materials For High Strength Applications, Environmental Ceramics, Luminescent Nanomaterials, Advanced Refractories For Green Steel, Structural Ceramics, Electroceramics, Glass, Bio-Glass.

5	<b>Computer Science &amp; Engineering</b>	<b>CS</b>	Artificial Intelligence & Machine Learning, Internet of Things (IoT) and Computer Network, Optical Network, Blockchain, Software Defined Networks, Cloud Computing, Edge Computing, SDN, Software Engineering, Wireless adhoc networks, Cloud and Fog Computing, Wireless Sensor Network, VANET , Flying Adhoc Network, Computer Vision, AI for Digital Health Care , Signal and Image Processing, Cybernetics and Information Security, Biometric Security, IoT & Cloud Computing, Healthcare System, Resource Optimization, Image Processing and ML, IoT based Healthcare, Intelligent Transportation system, WSN, IoT Authentication, Cloud Security, Cryptography, Low Power VLSI, Computer Architecture, Digital Microfluidics, Theoretical Computer Science, NLP, Quantum Computing, Hardware Security, Deep-Fake, Signal/Audio Processing, Deep Learning, Time-series Forecasting, Soft Computing, Computer Vision for Underwater Images, Biomedical Image Processing, Data Mining, Graph Clustering, AI.
6	<b>Chemistry</b>	<b>CY</b>	Organic Chemistry (Synthesis, Physical-organic, Supramolecular Chemistry, catalysis), Inorganic Chemistry ( Bioinorganic, Organometallic, Solid state), Material Chemistry (Nanomaterials, Catalysis, Energy Materials, Biomaterials), and Physical Chemistry (Biophysical, Computational and Theoretical Chemistry, Protein Chemistry, Fluorescence Spectroscopy, Supramolecular Chemistry).
7	<b>Electronics &amp; Communication Engineering</b>	<b>EC</b>	Wireless Communication, RF & Radar Microwave/Antenna, SIP, Optical NW, Sensor System, VLSI, Communication, Radar Signal Processing, Semiconductor Device, Opto Electronics, RFMS Instrumentation, Photonics, Control, Artificial Intelligence/Machine Learning.
8	<b>Electrical Engineering</b>	<b>EE</b>	Power Systems, Power Electronics converter, Battery Pack Optimal Charging using Reinforcement Learning, ML based Data-driven Battery Pack fault Diagnosis, Communication and Signal Processing, Data Driven Control Systems, Protection, Control and Cyber Security issues in Microgrid, High Voltage Engineering, Semiconductor devices, Battery, Hydrogen Storage, Supercapacitor, Control & Automation, Microgrid Control and Operation, Active Power Filter, Drives, High Voltage Engineering, Power Electronics and Drives, Consensus Control of Multiagent System, ML based control Applications, Energy Systems, Microgrid, Renewable Energy, EV, power electronics & Drives, Microwave Circuit, Power System Stability, AI applications in power system, Synchrophasor, Technology, Power Quality, Power System Instrumentation, Renewable Energy Integration and Electric Vehicle Charging, Signal/Image Processing, Preferably Biomedical Signal Analysis, 5G, Optical Comm. & Networks, IoT, ORAN, Sliding mode control, Event-triggered control, Reinforcement Learning, Control of Cyber-Physical systems, and network control systems and its applications in biomedical, robotics , microgrid, hydrogen fuel cell, etc. Computer Vision, AI/ML applications in Signal Processing/Communication.
9	<b>Earth and Atmospheric Science</b>	<b>ER</b>	Geology, Geophysics Atmospheric Sciences, Physical Oceanography.

10	<b>Food Process Engineering</b>	<b>FP</b>	Post-Harvest Operations, Food Quality And Safety, Computer-Aided And IoT-Based Food Processing, AI And ML In Food Processing, Non-Thermal Processing, Food Equipment And Process Design, Food Packaging & Storage Engineering, Health And Functional Food , Microwave Processing & Food Sterilisation, Extrusion Processing, Dairy Engineering And Technology, Product Development And Ingredients Innovation, Agricultural And Food Waste Valorisation.
11	<b>Humanities &amp; Social Sciences</b>	<b>HS</b>	English (NET/JRF), Economics (NET/JRF), Population Studies (JRF only), Sociology (NET/JRF), Psychology (NET/JRF), Anthropology (NET/JRF).
12	<b>Industrial Design</b>	<b>ID</b>	Mechanism Design, Deployable Structures, Spaceborne Systems Design, Computer Aided Design, Numerical Simulation and Experimental Analysis, Human Computer Interaction, Applications of AI in Human Centred Design, Human Factors in Emerging Technologies, Technology for Healthy Aging, Digital Human Modeling & Ergonomic Design, Innovative/Wearable Product Design, Geometric Modeling, MSDs, Biomechanical, Industrial Automation, Robotics and Artificial Intelligence.
13	<b>Life Science</b>	<b>LS</b>	Cell Biology, Molecular Biology, Epigenetics, Microbiology, Bacterial Biofilm, Antimicrobial Resistance, Microbial Extracellular Polysaccharides, Bioremediation, Marine Biotechnology, Waste Water Treatment, Immunology, Drug Delivery, Tissue Engineering, Regenerative Medicine, Nanobiotechnology, Bioinformatics, RNAi Biology, Biophysics, Plant Biotechnology, Developmental Biology, Genetics, Computational Biology, Computational Science & AI-ML, Infection Immunology, Patho-Immunology.
14	<b>Mathematics</b>	<b>MA</b>	Convex and Variational Analysis, Combinations, Algebra, Computational Finance, Functional Analysis, Probability and Statistics, Fluid Dynamics , Numerical Analysis, Fractal geometry, Cryptography.
15	<b>Mechanical Engineering</b>	<b>ME</b>	Machine Design/Biomedical Engineering, Thermal Engineering, Fluid Mechanics , Manufacturing.
16	<b>Metallurgical &amp; Materials Engineering</b>	<b>MM</b>	Mechanical Behaviour, Biomaterials, Surface Engineering, Additive Manufacturing, Titanium Alloys, Physical Metallurgy, Nanomaterials, High Entropy Alloys, Aluminium Matrix Composites, Bulk Metallic Glass Composites, Structure-Property Correlation, Nanocomposites, Powder Metallurgy, Recycling Of Metals & Alloys, Mechanical Metallurgy, Materials For High Temperature Applications, Archaeometallurgy And Conservation Of Materials Heritage In India, Self-Healable Aerospace Alloys, Microstructural Stability In Nanocrystalline Alloys, Geological Materials, Nanoscale Plasticity And Damage, Microstructural Characterization, Transmission Electron Microscopy, Smart Materials, Aerospace Materials, Surface Modification, 3D Printing, & 4D Printing, Surface Engineering, Mechanical Properties Evaluation Of 3D Printed Metallic Materials, Process Metallurgy, Surface Heat Treatment Of Steel, Advanced Alloy Design And Development, ICME, Ferrous Metallurgy, Advanced Alloy Design And Development, Squeeze Casting And Solidification Techniques, Microstructural And Texture Characterization, Mechanical Properties And Tribological Studies, And Computational Material Science Using ANSYS And AI/ML Driven Modelling, Process Metallurgy, Extractive Metallurgy, Welding Metallurgy, AI-ML, Computational Materials .
17	<b>Mining Engineering</b>	<b>MN</b>	Geomechanics, Environment, IoT Applications, Remote Sensing, Excavation, Mine Safety Engineering.
			Vernacular Architecture, Climate responsive building design, Urban heat Island, Urban Climate, Sustainable development, Urban morphology, Green Infrastructure,

18	<b>Planning &amp; Architecture</b>	<b>PA</b>	Environmental Planning, Landscape Design, Landscape Planning, Construction Management, Urban Planning, Urban Design, Housing, Neighbourhood Planning, Community Planning, Age Friendly neighbourhoods /cities, Urban amenities, Leisure amenities, Urban Governance, Transportation Planning, Infrastructure Planning, Land use planning, Global cities, City-network, Contemporary Urbanization, Network analysis, Vulnerability assessment, Environmental Psychology, Blue-green Infrastructure, Creative cities, Cultural and creative Industrial clusters, Cultural Planning, Conservation area planning, Architectural design history.
19	<b>Physics &amp; Astronomy</b>	<b>PH</b>	Neutron Stars, Dark Matter, Gravitational Waves, Quantum Information, Stellar Astrophysics, Asteroseismology, Particle/Astroparticle Physics, High Energy And String Theory, Experimental Condensed Matter Physics, Semiconductor Science And Technology, Thin Film And Nanotechnology, Computational Soft Matter Physics, Astrophysics And Cosmology, Black-Holes. <b>External Fellowship:-</b> All the Research areas of Dept of Physics and Astronomy
20	<b>School of Management</b>	<b>SM</b>	Human Resource Management (Non NET, NET/JRF), Finance Non NET, NET/JRF), Marketing (Non –NET, NET/JRF), Production (Non NET, NET/JRF), General Management (Non-NET, NET/JRF).

## B. ELIGIBILITY CRITERIA FOR PHD PROGRAM

The minimum qualification required for admission to PhD programs in Engineering, Science, Planning & Architecture, Management, and Humanities & Social Sciences is one of the following:

- ME/M.Tech/M.Sc Engg./M.Pharm/M.Arch/M.Plan/M.Des in relevant discipline with at least 6.5 CGPA or 60% marks or 1<sup>st</sup> class in both BE/B.Tech/BScEngg/MSc/BPharm/MCA/BArch/BDes or equivalent, and ME/MTech/MScEngg/MPharm/MArch/MPlan/MDes from a recognized Technical Institute or University.
- BE/BTech/BScEngg/MSc/BPharm/MCA/BArch/BDes or equivalent in relevant discipline with CGPA of 7.0 or 65% marks.
- M.Sc. in Basic Sciences with CGPA 7.0 or 65% marks in relevant disciplines. For applicants with valid GATE/NET/GPAT or equivalent score, requirement may be relaxed by maximum 0.5 CGPA or 5% marks.
- MBBS/BVSc with CGPA 6.5 or 60% marks or 1<sup>st</sup> class.

Further, candidates having the following qualification can also apply for PhD in Management and Humanities & Social Sciences:

- M.Com/MBA/M.Sc/MA in Humanities and Social Sciences / Management / B.Tech with 6.5 CGPA or 60% marks or 1<sup>st</sup> class for PhD in Management, and Humanities and Social Sciences only.

In addition to the above eligibility criteria (based on B.Tech., B.Arch, M.Sc., MBA, MA, M.Com., M.Tech., M.Arch., M.Plan., M.Des. and M.Pharm., etc. examinations), the following additional criteria will also be applicable:

- a) A candidate should score minimum 6.5 CGPA or 60% marks or 1st class throughout career to be eligible for admission to PhD programme. The Departmental Research Committee (DRC), however, may make exception (marks < 60% or CGPA < 6.5) at its discretion in only one among the results of 10th, +2, BA, BSc, BCom, Diploma etc. (except qualifying degree) if the candidate has qualified in GATE/NET/GPAT or other national level fellowship tests like DST-INSPIRE etc or joined as JRF/SRF in any research project.
- b) Candidates belong to Reserved Category (PWD/SC/ST) may be relaxed 0.5 CGPA or 5% in the +2 level.
- c) For admission to Engineering and Science disciplines (except Life Science), a candidate should have passed Mathematics in +2 Science from a recognized board or Diploma.
- d) Science students admitted to PhD programme in Engineering/Physics/ Mathematics must have passed Mathematics at +3 level. Students without Mathematics at +3 level may be admitted under the condition that they will have to register for 12 credits of 3000 level Mathematics and 2000/3000 level Computer Science courses (Theory and Practical) in addition to their normal course requirement, and secure at least C grade in each course.
- e) A student should have passed Life Science or Biological Science either at +2 or +3 level for admission to PhD in Life Science department.
- f) Students without having qualifying degree in the primary discipline will be required to take up additional course work of 6 credits to gain adequate knowledge on the subject so as to be considered to qualify along with students with specialization in a primary discipline, unless explicitly exempted by the Senate. **List of primary disciplines for specializations under various departments is given in Clause “D” below.**

However, a higher shortlisting criteria (possibly different for different departments and for different categories of students) may be set by the Department during scrutiny of applications depending on departmental requirement, number and quality of applicants. Therefore, merely satisfying the minimum eligibility criteria does not guarantee a candidate to be called for interview and also mere attending an interview does not guarantee admission.

### **C. APPLICANTS AWAITING RESULTS**

- a) For thesis based Postgraduate degrees [(M. Tech. (Research), MS or equivalent)], a student is permitted to submit the final result within one year from the date of thesis submission. However, one documentary evidence (proof of thesis submission) from the candidate's Institute/University is required to be submitted at the time of admission.
- b) For all course based degrees [B. Tech., M. Sc., MA, M.Com, MBA, M. Tech. (Regular), etc.] results need to have been published before admission is granted. In exceptional cases when a university will not be in a position to publish result by the time of admission, submission of qualifying degree result may be permitted till **30<sup>th</sup> September, 2026** but not beyond.

### **D. QUALIFYING DEGREES AND PRIMARY DISCIPLINES FOR ADMISSION**

Different academic eligibility across the departments has been made considering the departmental requirement, availability of candidates in the respective departments and uniform growth of all departments in the Institute.

Onus of proving a Degree / Specialization / Discipline as equivalent with any of the above mentioned Degree / Specialization / Discipline shall lie with the applicant claiming equivalency. However, decision of the Institute shall be final and binding in this matter.

Department	Academic Eligibility / Primary Disciplines
<b>Biotechnology and Medical Engineering (BM)</b>	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 1 <sup>st</sup> class in UG and PG degree with a valid GATE / NET / BET / GPAT score or any National level eligibility test.
<b>Civil Engineering (CE)</b>	B. Tech in Civil Engineering (with GATE Qualified) or B. Tech in Civil Engineering with M. Tech in relevant specialization.
<b>Chemical Engineering (CH)</b>	B Tech or equivalent/M Tech or equivalent in Chemical Engineering/Chemical Technology/ Biotechnology/ Petrochemical Engineering/ Petroleum Technology/ Process Control and Instrumentation/Polymer Technology / Biochemical Engineering/ Energy Engineering /Nanotechnology/ Environmental Engineering and allied branches OR M.Sc in all branches with Mathematics in +2 level. (For Fellowship category, valid GATE/NET score is mandatory for B Tech & M Sc qualifications).
<b>Ceramic Engineering (CR)</b>	BTech (with GATE) / MTech in Ceramic / Metallurgical and Materials / Chemical / Mechanical Engg. / Biomedical Engg / Nanotechnology / Biotechnology OR MSc (with GATE) in Physics / Chemistry / Materials Science / Nano Science.
<b>Computer Science &amp; Engineering (CS)</b>	BTech (with GATE/Any National Level fellowship) / MTech in Computer Science and Engineering / Information Technology OR MCA OR MSc (with GATE/ Any National Level fellowship) in Computer Science / Information Technology.
<b>Chemistry (CY)</b>	MSc in Chemistry / Physics / Biochemistry / Biotechnology / Nanoscience and Nanotechnology / Bioinformatics / Industrial Chemistry / Applied Chemistry / Environmental Chemistry / Food Science and Technology / Nutrition OR MPharm OR BTech / MTech in Chemical / Ceramic / Metallurgical and Materials Engineering / Biotechnology.
<b>Electronics &amp; Communication Engineering (EC)</b>	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.
<b>Electrical Engineering (EE)</b>	B.Tech (with GATE/Any National Level Fellowship)/ M.Tech. M.E./M.S. in Electrical/Electronics/Communications/ComputerScience/Instrumentation/C ontrol Engineering/Biomedical/Material Science/ Engineering Physics, or allied Engineering Branches OR MCA, M.Sc. (with GATE/Any National Level Fellowship) in Physics/Electronics/Mathematics/Computer Science/ IT/ Biomedical and allied.

<b>Earth &amp; Atmospheric Science ( ER )</b>	MSc / MTech in Geology / Applied Geology / Geophysics / Environmental Science / Remote Sensing / Chemistry / Physics / Atmospheric Science / Meteorology / Oceanography / Mathematics OR related disciplines in Science OR BTech / MTech in Civil / Mining / Electronics and Computer Science Engineering.
<b>Food Process Engineering (FP)</b>	B. Tech with MTech in Food Processing Engineering / Food Technology / Agricultural Process Engineering / Post Harvest Engineering / Agricultural Engineering or any other relevant branch of Engineering/Technology.
<b>Humanities and Social Sciences (HS)</b>	MSc / MA in relevant subjects OR BTech / MTech in any branch of Engineering OR MBA. Candidates with UGC NET/JRF qualification will be preferred
<b>Industrial Design (ID)</b>	B.Des. (with CEED)/ BE or B.Tech. (with GATE)/ M. Des./ ME/ M.Tech./ M.Arch./ in any discipline, including Ocean Engineering/ Marine Engineering/ Naval Engineering, etc. MCA/M.Sc. in any discipline with GATE/NET.
<b>Life Sciences (LS)</b>	MSc in Life Sciences / Botany / Zoology / Microbiology / Biotechnology / Biochemistry / Bioinformatics / MBBS / BVSc./ Bio-Physics / Food Science and Technology, BTech / Integrated MTech / MTech in Biotechnology or any branch of biological sciences, BPharm/MPharm, MS in any branch of biological sciences.
<b>Mathematics (MA)</b>	MSc in Mathematics / Statistics / Computer Science / Information Technology / MCA and First class Honours or equivalent in B.Sc. with Mathematics / Statistics as Honours subject. OR BTech / MTech in any branch of Engineering or equivalent.
<b>Mechanical Engineering (ME)</b>	B.Tech./BE (with GATE) in any branch; M.Tech./ME in any branch; MBA (with NET) in Operations Management specialization; M.Sc. (with GATE) in Physics, Chemistry, Mathematics, Life Science, Electronics, Computer Science, Data Science, Big Data, Artificial Intelligence, Environmental Science.
<b>Metallurgical &amp; Materials Engineering (MM)</b>	BTech/MTech in Computer Science/Metallurgy / Metallurgical and Materials Engineering / Ceramic/ Chemical / Mechanical / Production / Manufacturing Engineering OR MSc in Physics/ Chemistry /Materials Science.
<b>Mining Engineering (MN)</b>	BTech/MTech in Mining / Civil / Environmental / Chemical / Electronics / Electrical / Instrumentation / Computer Science / IT / Mechanical / Metallurgical and Materials Engineering OR MSc in Geology / Geo-Physics / Environmental Science / Remote Sensing / Mathematics / Statistics / Chemistry / Physics.
<b>Planning &amp; Architecture (PA)</b>	B.Arch (with GATE)/ B.Plan (with GATE)/ M.Arch/ M.Plan / MCP / MURP / MUP / MOP/ M.Tech/ MBA (Urban Management) or equivalent.
<b>Physics and Astronomy (PH)</b>	MSc in any branch of Science with Mathematics and Physics at B.Sc. level OR BTech in any branch of Engineering.
<b>School of Management (SM)</b>	Master degree in Technology, Business Administration, Arts, Science, Commerce, Pharmacy OR Bachelor degree in Technology in any discipline OR CA(FINAL) from ICAI OR LLM(LAW)

## E. NOTES

1. Where regular mode of education is available for any Degree/Qualification then Degree/Qualification obtained through any modes other than regular mode, **i.e. Distance Learning, Correspondence Course, etc. will NOT be** considered for the purpose of admission to PhD program of the Institute.
2. For selection of research scholars in any engineering discipline, students with B.Tech degree will be given preference over students with M.Sc degree, even if the latter may have an M.Tech Degree.
3. Students with any other relevant background may be eligible, but only with approval of the Senate or Chairman, Senate on the recommendation of the Departmental Research Committee (DRC).
4. Students of one discipline may seek admission in a related department which will be considered on the basis of merit of the individual case(s).
5. Selection will be made on the basis of academic record, relevance of qualification, candidate's research interest, existing research programs and facilities of the departments, and performance of the candidate in tests and/or interviews. Therefore, merely attending a tests and/or an interview does not guarantee admission.
6. Candidates availing any facilities under category are required to produce valid caste certificate in support of their claim. For OBC students Caste certificate should be issued **on or after 01-April 2026**.

## F. FINANCIAL SUPPORT

Institute Fellowships are available to the PhD students of all the departments. Prevailing rate of fellowship is given in the following table:

Program	Eligibility	Duration	Rate of Fellowship
Ph.D.	M. Tech. / M. Pharm / M. Arch. / M. Des. / MD / MS / MDS / M. V. Sc. (or) B. Tech. / B. Arch. / B. Des. / B. Pharm. / MBBS / B. V. Sc. / BDS / M.Sc. / MA / M.Com / MBA / MCA with a valid GATE/NET/GPAT score	1 <sup>st</sup> & 2 <sup>nd</sup> year	<b>Rs. 37,000/- p.m.</b>
		3 <sup>rd</sup> , 4 <sup>th</sup> & 5 <sup>th</sup> year*	<b>Rs. 42,000/-* p.m.</b>

\* Subject to clearing the Progress Seminar to be conducted by the department.

Payment of Institute fellowship is effective from date of enrollment or starting date of biometric attendance whichever is later, but will be paid only after submission of all required documents by the scholars.

However, fellowship **will NOT be awarded** to candidates above 32 years of age for PhD (35 years for SC/ST, and women candidates) on the closing date of receipt of application. This restriction shall not apply to fellowships awarded by external agencies or sponsored projects.

**Note :-** Full time student selected under with Institute fellowship category will not be eligible for HRA.

### **Individual External Fellowships**

Candidates with individual external fellowships (**CSIR-NET/UGC-NET/DST-INSPIRE/RGNF/ICSSR/Women Scientist, etc.**) are especially encouraged to apply. The selection process will be same as that for other candidates. The rate and mode of payment of fellowship to such students will be governed as per the rules of the Sponsor / Funding Agency.

**Note :-** Those students admitted under external fellowships from various agencies or sponsors such as NET-JRF, CSIR, DST-INSPIRE, project fellowships, and other schemes, the HRA shall be governed in accordance with the guidelines and rules of the concerned agency or sponsor.

### **Important Note**

1. If a student with Institute fellowship or project fellowship leaves the Institute in the mid-session on his own accord without completing the program, the entire amount paid to him/her towards fellowship **need to be returned** by the student before leaving the Institute. S/he will not receive any certificate from the Institute unless s/he refunds the fellowship received in full. Students with project fellowship may not be required to refund only if sponsor's rule permit him leaving the project without refunding fellowship. Students receiving external fellowships will be governed as per the rules of the Sponsor / Funding Agency.
2. All students, with or without fellowship or receiving any other financial support are required to assist faculty members of their department in teaching and research activity. They may be required to take tutorial and laboratory classes, assist in student projects or other R & D activities as assigned by the HOD/Coordinator.
3. **Accommodation**  
Hostel accommodation to the admitted candidates against this advertisement will be provided subject to availability.

### **G. FEE STRUCTURE**

Fees to be paid at the time of admission to PhD Program is as follows: -

Sl. No.	Fee Particulars	1 <sup>st</sup> Semester (Rs.)	2 <sup>nd</sup> Semester (Rs.)
1	Admission fee(one time)	2500/-	-
2	Tuition fee	7500/- (Nil for SC/ST students)	7500/- (Nil for SC/ST students)
3	Other fees(Exam., Library, Electricity etc)	3000/-	3000/-
4	Student Activity fee	2000/-	2000/-
5	Medical fee	2000/-	2000/-
6	Hostel seat Rent*	5000/-	5000/-
7	Caution money(one time Refundable)	10000/-	-
8	Hall Establishment fee	5000/-	5000/-
9	Mess Advance	30000/-	30000/-
	<b>Total</b>	<b>67,000/- (59,500/- for SC/ST)</b>	<b>54,500/- (47,000/- for SC/ST)</b>

\* Hostel seat rent & Hall Establishment fee will be applicable as per hostel type.

The fees for remaining semesters of the course (until completion) will be same as 2<sup>nd</sup> semester fees unless any modification suggested by competent authority.

### **Refund of Fee**

If a student is removed or withdraws/leaves himself/herself from the Institute after admission without completing the entire program, all fees paid including the caution money deposit will be forfeited by the Institute. Mess advance, if paid, may be refunded after deduction of dues, if any. This clause is applicable even before formal registration to the 1<sup>st</sup> semester and starting of classes.

## H. SPONSORED / LOCAL SPONSORED CANDIDATES

The Institute welcomes candidates from reputed academic Institutes, Industry, R & D Institutions, and from Government organizations.

- a) A sponsored candidate is expected to work full time in the Institute till completion of his/her program, or at least 3 years from beginning in the Institute. However, in deserving cases, if facilities exist at his/her place of employment and his/her job assignment matches with the research problem, s/he may be permitted to work at the place of employment after satisfying minimum residential requirement (normally 6 months to a year).
- b) Local sponsored candidates (working in and around Rourkela having permanently non-transferable jobs) must have enough time and flexibility in their job assignment in order to continue the program applied for. Their working hours to be suitably adjusted in the sponsoring organization so that s/he can work on his/her studies at NIT Rourkela for at least 120 days and 500 hours per semester [25 days and 75 hours in case the scholar has a Co-Supervisor in his/her work place, his research work is related to his work in the job place and availability of adequate research facility in the work place].
- c) **Sponsored candidates must have completed at least two years of continuous service in the sponsoring organization**, which must be an Institution of Repute employing good number of engineering/science professionals. The completion of two years continuous service shall be counted as on **31<sup>st</sup> March, 2026**.
- d) Sponsored students are expected to serve their sponsoring organization on completion of their degree in NIT, for at least 3 years after completion of the academic program.

**\*Sponsored candidates may apply for PhD programme of any discipline as per their eligibility.**

## I. APPLICATION FEE AND PROCEDURE

Interested candidates satisfying the eligibility criteria may submit their **online application at <http://eapplication.nitrkl.ac.in>**. The applicants are advised to:

- a) Read this advertisement and the instructions to fill up the online application form given in the online portal carefully.
- b) Pay non-refundable Application Fee of Rs. **500/-** through SBI Collect only. No other mode of payment is acceptable. The applicant has to search **SB COLLECT -> EDUCATIONAL INSTITUTIONS -> ODISHA -> DIRECTOR NIT ROURKELA -> APPLICATION FEE PHD and EPTP -> SELECT PHD -> SELECT 500/-**. Note down the SB Collect Reference Number Application fee once paid shall not be refunded under any circumstances.
- c) Fill up the online application form at <http://eapplication.nitrkl.ac.in> with desired information and enter the SB Collect Reference Number in the "Update Application Fee Details" link given at homepage of <http://eapplication.nitrkl.ac.in> and SUBMIT the

- application.
- d) Sponsored candidates are required to submit the scanned copy of the sponsorship certificate while submitting online application.
  - e) **Application number (Id) is generated on successful submission of application form.**
  - f) **The application form once submitted is non-editable, hence the candidates are advised to fill up the form carefully.**

Applicants are **NOT** required to send hard copy of the application form or any other document(s) to NIT Rourkela. However, candidates who will be called for interview will be required to submit signed copy of the application form, a set of photo copies of all certificates and original Sponsorship Certificate (for Sponsored/Local Sponsored candidates only) at the time of interview.

**\*They also need to produce original certificates from HSC onwards for verification.**

## J. TENTATIVE SCHEDULE

Sl. No.	Event	Tentative Date
1	Last date of submission of Online form submission	<b>11<sup>th</sup> May, 2026 (Monday)</b>
2	Publication of result of scrutiny in the website	<b>22<sup>nd</sup> May, 2026 (Friday)</b>
3	Test and/ Interview (Venue – NIT, Rourkela) (OFFLINE)	<b>4<sup>th</sup> June, 2026 (Thursday)</b>
4	Publication of result of Interview in the website	<b>12<sup>th</sup> June, 2026 (Friday)</b>
5	Admission	<b>30<sup>th</sup> June, 2026 (Tuesday)</b>
6	Semester Registration /Starting of Class / Research work	<b>20<sup>th</sup> July, 2026 (Monday)</b>

The list of selected candidates will be displayed on our Institute website [www.nitrkl.ac.in](http://www.nitrkl.ac.in) and no postal intimation will be sent to the selected candidates. **The applicants are required to visit the “Notice Board” section in the “Home Page” of the Institute website regularly for further updates.**

## K. HOW TO REACH THE INSTITUTE

Rourkela is located in the Howrah-Mumbai main Train route. Train connections are also available from Bhubaneswar and Ranchi. Night AC/Non-AC bus services are available from all major cities of Odisha (Bhubaneswar/Berhampur/Baleswar, etc.). The Institute is located around 8 km away from the Railway Station and 2 km away from Sector-3 Bus Stop. Usual rate of auto fare at present is approx. Rs.150/- to Rs. 200/- and Rs. 100/- respectively. App based taxi services are also available in Rourkela.

\*The candidates are advised to visit department webpage & contact respective HODs for details. Also for any query ,

- Email - [admission@nitrkl.ac.in](mailto:admission@nitrkl.ac.in)
- Telephone : - **(+91) 661 246 4052 (During working hours only)**

**Sd/-**

**Assistant Registrar (Academic – PG & Research)**