

Recruitment for Faculty positions in various departments

Applications are invited from Indian Nationals of GEN/SC/ST/OBC [Non-creamy layer] and PWD category candidate for faculty positions at the level of Assistant Professors in the following departments of the institute shown.

S.N.	Department/School/Cell	Vacancies			
		SC	ST	OBC	UR
1	Department of Architecture	1	1	3	4
2	Department of Applied Geology	0	0	0	1
3	Department of Biotechnology Engg.	1	0	1	0
4	Department of Biomedical Engg.	0	0	1	1
5	Department of Chemical Engg.	0	1	1	0
6	Department of Civil Engg.	0	0	1	2
7	Department of Chemistry	0	0	1	0
8	Department of Computer Science & Engg.	0	0	2	1
9	Department of Electrical Engg.	1	1	0	2
10	Department of Electronics & Telecommunication Engg	2	1	0	1
11	Department of Humanities and Social Science	1	0	2	2
12	Department of Information Technology	0	1	0	2
13	Department of Mechanical Engg.	0	1	1	2
14	Department of Metallurgy	1	1	0	3
15	Department of Computer Application (MCA)	1	0	1	0
16	Department of Mathematics	1	1	0	0
17	Department of Mining Engg.	0	0	0	2
18	Department of Physics	0	0	0	1
Total		9	8	14	24

Note:- Reservation of PWD candidates will be as per Govt. of India norms.

Common Essential Educational Requirements

- Superior academic record at all levels from high school onwards.
- **For Engineering disciplines:** First class in BE/B.Tech./B.Arch. or equivalent and in ME/M.Tech./M.Arch. or equivalent with PhD in relevant discipline. B. Tech. with direct Ph.D. may also be considered.
- **For Non-Engineering disciplines:** Ph.D. degree with first class degree at UG & PG level.
- **Candidates from Industry (or comparable organisations) without Ph.D. degree:** Such candidates may be considered for recruitment as Assistant Professor, if he/she has substantial professional and R&D experience supported with good number of publications in leading journals of the field, the candidate being the lead author.

General Information

- Institute offers following fringe benefit to appointed faculty.
 - ✓ A cumulative Professional Development Allowance of Rs. 3.00 lakhs for every block period of 3 years (Rs. One Lakh per year) may be made available to every member of the faculty on reimbursable basis to meet the expenses for participating in both national and international conferences, paying the membership fee of various professional bodies and contingent expenses.
 - ✓ LTC, HRA, Transport Allowance and medical reimbursement, children education fee reimbursement, mobile allowance etc. will be applicable as per institute rules.
- Application fee for Gen/OBC candidates will be Rs. 500/- and for SC/ST/PWD candidates will Rs. 250/-. For the candidates applying from abroad, application fee will be USD 50\$.
 - ✓ The application fee can be submitted in form of DD in favour of "Director, National Institute of Technology, Raipur" payable at Raipur OR online payment can also be made. The detailed method of online fee payment is given in how to apply link of online application.
- Age of the candidate should be preferably below 60 years.
- Since all the posts are to be filled in by open advertisement, internal candidates who are aspiring for higher AGP need to apply.
- Fresh appointees will be covered under the New Pension Scheme (NPS-2004) as per Govt. of India rules.
- Separate application with enclosures for each department is required for the candidates applying for more than one department.
- Qualification and experience may be relaxed by the competent authority at any point of time for outstanding candidates.
- The applicant will be responsible for the authenticity of submitted information, other documents and photograph.
- Incomplete applications or forms without prescribed application fee, wherever applicable, will be rejected without showing any reason.
- Travelling Allowance (TA) is admissible to the candidates called for interview. TA will be admissible subject to maximum of 2 AC (Second AC) class fare by the shortest route from the address mentioned in the interview letter or from the place of journey to the institute whichever is less, on submission of tickets of both ways journey.
- For updates please visit the institute website regularly.
- For any clarifications please contact at the email recruitmentcell@nitrr.ac.in
- Caste Certificate (in original) in the Central Govt. format must be produced (wherever applicable) at the time of interview.
- For OBC (non-creamy layer) candidates, the caste certificate must be in the format applicable for employment in Central Government organizations and must be issued on or after 01.04.2014
- Application received after last date of submission will be rejected.
- For PWD candidates, the disability certificate must be issued by the Competent Medical Authorities as applicable for employment in Central Government organizations. The final selection will be made on the basis of the recommendations of a Medical Board to be appointed for examining the physical disability.
- List of shortlisted candidates will be displayed on institute website.
- Shortlisted candidates will be informed by email for interview.
- Any legal dispute regarding recruitment will be within the jurisdiction of Raipur Courts only.

- Canvassing in any form will disqualify candidature.
- Mere eligibility will not vest any right on any candidate for being called for interview. The decision of the Institute in all matters will be final. No correspondence will be entertained from the candidates in connection with the process of selection / interview.
- The Institute reserves the right to call for interview only those candidates shortlisted on the basis of their qualification, experience, research and publication records as submitted by the candidate and departmental requirements, etc.
- The Institute reserves the right to fill or not to fill any or all the posts advertised.
- The qualifications and experience for various positions are given in **Annexure I**. Desirable areas of specializations in various departments are given in **Annexure-II**. However, candidates with other relevant areas of specializations may also be considered.
- Experienced and meritorious candidates may be granted higher pay on recommendation of the Selection Committee.
- The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit, on the basis of qualifications and experience higher than those prescribed in this advertisement.
- All Degree Certificates should be from recognized Universities / Institutes.
- Candidates in Govt. service should send their applications through proper channel. If original application is routed through proper channel, a photocopy of the application should be sent in advance before the prescribed last date. Such candidates are required to produce "No Objection Certificate" at the time of interview, failing which they may not be considered for interview.
- Those candidates who have submitted their Ph.D. thesis and are expecting the defence/viva-voce/exam to be completed by the time of interview can also apply. Such candidates need to show their Ph.D. degree/provisional degree certificate at the time of interview.
- Interview for the short listed candidate, residing abroad may be arranged through video conferencing etc.

**Prescribed Minimum Qualification and Experience for Faculty Positions of
NATIONAL INSTITUTE OF TECHNOLOGY**
(Under four tier flexible faculty structure)

Designation, Pay Band and Academic grade pay	Essential qualification	Relevant experience	Other essential requirements	Additional Desirable requirements
Assistant Professor (On contract) PB-3 with Grade pay of Rs. 6000/- + 07 additional non-compounded increments PB – 3 of Rs. 15600/- - 39100/- with GP of Rs. 6000/- p.m.	First class post graduate with Ph.D. in relevant discipline and having consistently very good academic record	None	None	One publication in an SCI Journal
Assistant Professor (On contract) PB-3 of Rs. 15600/- - 39100/- with Grade pay of Rs. 7000/-	First class post graduate with Ph.D. in relevant discipline and having consistently very good academic record	01 year	One paper accepted for publication in SCI Journal	Two papers in SCI journals or one patent; may be based on Ph.D. work
Assistant Professor PB-3 of Rs. 15600/- - 39100/- with Grade pay of Rs. 8000/- (Regular)	First class post graduate with Ph.D. in relevant discipline and having consistently very good academic record	03 years after Ph.D. or 06 years total (not counting Ph.D. enrolment period) after obtaining M.Tech. degree	02 papers in SCI journals outside Ph.D. work. One ongoing sponsored project for candidates from academia. Two experiments or computational projects added to teaching laboratories where appropriate.	One Ph.D. supervision ongoing; 01 Patent; Experience in industry or R & D lab of repute; M.Tech., M.Sc. or B.Tech. project supervision on live industrial problems.

For details of Four tier Norms and revised Recruitment Rules, interested candidates may click on the following link:

<https://recruitment.nitr.ac.in/ads/four-tier-faculty-norms.pdf>

Desirable specializations for various departments

S.N.	Departments	Desirable Specializations	Branch of Engineering/Discipline
1	Department of Applied Geology	Economic Geology, Geochemistry, Petrology, Geoinformatics, Engineering Geology, Mining Geology, Environmental Geology, Structural Geology, Palaeontology	(i) M.Tech. in Applied Geology or equivalent OR M.Sc. in Geology with M.Phil/P.G. Diploma AND (ii) Ph.D. in Appropriate Discipline
2	Department of Architecture	1. Architecture <ul style="list-style-type: none"> Urban Design Sustainable Architecture 	(i) B.Arch. or equivalent and M.Arch. or equivalent with valid registration of Council of Architecture AND (ii) Ph.D. in appropriate discipline
		2. Planning <ul style="list-style-type: none"> Housing Transport Planning Urban Planning City Planning Town Planning Environmental Planning Regional Planning 	(i) B.Arch. or equivalent and M. Planning or equivalent with valid registration of Council of Architecture AND (ii) Ph.D. in appropriate discipline
		3. Others <ul style="list-style-type: none"> Construction Management Building Engineering Management Landscape Architecture Architectural Conservation Building Science and Technology Any other related field 	(i) B.Arch. or equivalent and Master degree in relevant field with valid registration of Council of Architecture AND (ii) Ph.D. in appropriate discipline
		4. Fine Arts	(i) B.Fine Arts with M. Fine Arts in History of Arts/ Painting/ Sculpture/ Applied Arts AND (ii) Ph.D. in appropriate discipline
		5. Structural Engineering	(i) B.E./B.Tech. in Civil Engineering or equivalent with M.E./M.Tech. in Structural Engineering AND (ii) Ph.D. in appropriate discipline
3	Department of Biotechnology	Environmental Biotechnology, Cancer Biology, Molecular Biophysics, Cell & Tissue Engineering, Protein Chemistry & Protein Engineering, Biochemical Engineering, Bioinformatics, Genetic Engineering, Structural Biology and Drug Design, Stem Cell Biology , Bioprocess Engg./ Nano	(i) B.E./B.Tech. in Biotechnology/ Biochemical Engg./ Chemical Engg. Followed by M.E./M.Tech in Biotechnology/Biochemical Engg./ Bioinformatics/Bioprocess Engg./ Environmental Engg./Bio-Engineering / or equivalent AND

		Biotechnology, Medical Biotechnology	(ii) Ph.D. in appropriate discipline
4	Department of Biomedical Engineering	Tissue Engg., Biomedical Signal Processing, Bioelectronics, Biomedical Instrumentation & Control, Bio Equipment Design, Clinical Biochemistry, Bio Mechanics, Rehabilitation Engg., Bio Fluid Dynamics, Medical Informatics, Bio Sensors, Clinical Engg., Medical Imaging.	<p>(i) B.E./B.Tech in Biomedical Engg./ Electronics/ Instrumentation/ Instrumentation & Control/ Biomedical Instrumentation/ Electronics & Communication or equivalent</p> <p>AND</p> <p>(ii) ME/M. Tech in Biomedical Engg./ Biomedical Instrumentation/ Bio Electronics/ Bio Mechanics/ Instrumentation Engg./ Electronics/ Electronics & Instrumentation/ Instrumentation & Control/ Clinical Engg./ Bio Informatics/ Medical Imaging & Image Analysis or equivalent</p> <p>Note: At least one degree from the above at UG or PG should be in Biomedical Engg or equivalent</p> <p>OR</p> <p>B. Pharma / B. Tech. in Biotechnology followed by M.Tech. in Biomedical Engg.</p> <p>OR</p> <p>MBBS followed by Master in Medical Science & Technology (MMST) or equivalent</p> <p>AND</p> <p>(iii) PhD in appropriate discipline</p>
5	Department of Chemistry	Applied Chemistry/Chemistry	<p>(i) M.Sc. in relevant field</p> <p>AND</p> <p>(ii) Ph.D. in appropriate discipline</p>
6	Department of Chemical Engineering	Instrumentation & Process Control, Computational Fluid Dynamics, Chemical Process Design, Process modelling & Simulation, Process Heat Transfer, Process Mass Transfer, Reaction Engg. & Kinetics, Chemical Engg. Thermodynamics, Thermal Engineering, Environmental Engineering, Biochemical Engg., Energy Engg., Petroleum & Polymer Technology, Fluid Mechanics, Nanotechnology	<p>(i) B.E./B.Tech. in chemical engineering or equivalent</p> <p>AND</p> <p>(ii) M.E./M.Tech. in Chemical Engineering or equivalent</p> <p>AND</p> <p>(iii) Ph.D. in major areas of Chemical Engineering</p>
7	Department of Civil Engineering	Fluid Mechanics, Water Resources Engg., Hydrology, Transportation Engg., Surveying, Structural Engineering, GIS & Remote Sensing, Environmental Engg. Geotechnical Engg. & construction, planning & management	<p>(i) B.E./B.Tech. in Civil engineering or equivalent</p> <p>AND</p> <p>(ii) M.E./M.Tech. or equivalent in one of the desirable specializations</p> <p>AND</p> <p>(iii) Ph.D. in appropriate discipline</p>

8	Department of Computer Application	Mobile computing, Modelling & Simulation, Compiler Design, Automata Theory, Analysis & Design of Algorithms, Software Engg., Computer Networks, Network Security, Artificial Intelligence	(i) B.E./B.Tech. in Computer Science & Engineering or equivalent and M.E./M.Tech. in Computer Science & Engineering or equivalent OR (i) Master in Comp. Application (MCA) in 1 st class AND (ii) Ph.D. in major areas of Computer Science & Engg., Computer Application, Information Technology
9	Department of Computer Science & Engineering	AI & Expert Systems, Software Engg., Mobile & Pervasive Computing, Advanced Algorithms, Soft Computing, Evolutionary Computing, Parallel & Distributed Computing System, Image Processing & Multimedia, Computer Networks & Security, Theoretical Computer Science, Natural language, Processing, System Programming, Swarm Intelligence, Machine Learning & Pattern Recognition, Computer Architecture & Hardware, Database systems & related technologies	(i) B.E./B.Tech. in Computer Science & Engineering/ Computer Technology/ Information Technology/ Computer Engineering/ other related area AND (ii) M.E./M.Tech. or equivalent in major areas of Computer Sc. & Engg./Information Technology. AND (iii) Ph.D. in major areas of Computer Science and Engg./Information Technology
10	Department of Electrical Engineering	Control System, Power Electronics, Power System, Electric Machine & Drives, Signal Processing, Instrumentation, Electronics, Computer Technology	(i) B.E./B.Tech. in Electrical Engineering /Electrical & Electronics Engineering or equivalent AND (ii) M.E./M.Tech. in Computer Technology/Control System/ Power Electronics/ Power Systems/ Electric Machines & Drives/ Signal Processing/ Instrumentation/ Electronics or equivalent AND (iii) Ph.D. in appropriate discipline
11	Department of Electronics and Telecommunication Engineering	Communication systems, Microelectronics & VLSI Design, Digital System Design, Semiconductor Materials & Devices, Electronic Instrumentation, Signal processing, Telecommunication and Computer Network	(i) B.E./B.Tech. in Electronics & Telecommunication Engineering or in equivalent branch of Engg. AND (ii) M.E./M.Tech. in Electronics & Communication Engineering or equivalent AND (iii) Ph.D. in the major areas of Electronics & Communication Engineering.
12	Department of Information Technology	Software Engg., Multimedia Technology, Internet Technology, Computer Networks, Information Security, Artificial Intelligence	(i) B.E./B.Tech. in Computer Science & Engg./IT/ Electronics or equivalent AND (ii) M.E./M.Tech. in Computer Sc. & Engineering/ Software Engineering/ IT/Information Security/Artificial

			Intelligence/ Computer Technology or equivalent AND (iii) Ph.D. in appropriate discipline
13	Department of Mechanical Engineering	Machine Design, Thermal Engg., Production Engg., Industrial Engg., CAD-CAM	(i) B.E./B.Tech. in Mechanical Engg. or equivalent AND (ii) M.E./M.Tech. in Machine Design/ Production /CAD-CAM/ Thermal Engineering/ Industrial Engg./ Production Engg. or equivalent AND (iii) Ph.D. in appropriate discipline
14	Department of Mathematics	Operation Research, Statistical Methods & Numerical Analysis, Applied Mathematics (Fluid Mechanics), Number & Coding Theory, Operator Theory, Algebra	(i) M.Sc. in relevant discipline AND (ii) Ph.D. in appropriate discipline
15	Department of Metallurgy	Physical Metallurgy, Material Science, Powder Metallurgy & Ceramics, Corrosion, Ferrous and non Ferrous Extraction Metallurgy, Furnace Technology, Heat & Mass Transfer Engineering, Fracture Mechanics & Failure Analysis, Advanced Materials simulation & modelling, Mechanical metallurgy, extractive & process metallurgy	(i) B.E./B.Tech. in Metallurgical Engg. / Metallurgical & Materials Engg. or equivalent AND (ii) M.E./M.Tech. in Metallurgical Engg./ Metallurgical & Materials Engg./ Materials Engg or equivalent AND (iii) Ph.D. in appropriate discipline
16	Department of Mining Engineering	Opencast Mining, Mine Planning, Rock Excavation Engineering, Rock Mechanics, Mine Surveying, Underground Coal Mining, Underground Metal Mining, Mine Ventilation	(i) B.E./B.Tech. in Mining Engg. or equivalent AND (ii) M.E./M.Tech. in opencast mining/ Mine Planning/ Rock Excavation Engg./ Rock Mechanics/ Mine Surveying/ Underground Coal Mining/ Underground Metal Mining/ Mine Ventilation or equivalent. AND (iii) Ph.D. in appropriate discipline
17	Department of Humanities and Social Sciences	English Language Teaching, English Literature, Management, Psychology, Sociology, Yoga, Value Education	(i) PG in appropriate discipline AND (ii) Ph.D. in corresponding discipline
18	Department of Physics	Physics/Applied Physics	(i) M.Sc. in relevant field AND (ii) Ph.D. in appropriate discipline