



National Institute of Technology Durgapur

Mahatma Gandhi Avenue, Durgapur 713209, West Bengal, India

ROLLING ADVERTISEMENT

Advt. No. NITD/11/07/2013

Date: 19/07/2013

FACULTY RECRUITMENT NOTIFICATION

National Institute of Technology Durgapur is an "Institute of National Importance" [vide NIT Act 2007 (29 of 2007), dated August 15, 2007] under full administrative and financial control of the Ministry of Human Resource Development, Government of India. Established in 1960, it presently offers nine B. Tech programmes in Biotechnology, Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, Information Technology, Mechanical Engineering and Metallurgical & Materials Engineering. It also offers 16 M Tech, 3 M Sc, MBA, MCA and PhD programmes.

Applications are invited from the eligible candidates, possessing consistently good academic background and commitment to quality teaching and research, for the post of **Assistant Professor** in various academic departments of the Institute.

1. Assistant Professor [Academic Grade Pay - Rs.8000 / Pay Band - PB3: Rs.15600-39100]

Essential Qualification: Ph.D. with First class in the preceding examination in appropriate branch (60% or CGPA of 6.5 as applicable, where class is not awarded).

Relevant Experience: Minimum 3 years after Ph.D. or 6 years total (not counting Ph.D. enrolment period) after obtaining M. Tech. degree, in a position of Assistant Professor or equivalent with grade pay of not less than Rs 6000, working in any IIT/ NIT/ university/ deemed university/ institute/ college/ industries/ CSIR or similar research institutions or as Post Doctoral Fellow in a reputed Institute/university.

Other essential requirements: 2 papers in Science Citation Index (SCI)/ Social Sciences Citation Index (SSCI)/ Arts and Humanities Citation Index (AHCI) journals outside Ph.D. work. One ongoing sponsored project for candidates from academia. Two experimental or computational projects added to teaching laboratories where appropriate.

Additional Desirable requirements: One Ph.D. supervision ongoing; 1 Patent; Experience in industry or R & D laboratory of repute; UG or PG project supervision on live industrial problems.

In case an applicant is found not satisfying above criteria with respect to experience and requirements or found not suitable for the above position by the Selection Committee, she/he may be considered for either of the following positions.

2. Assistant Professor (on Contract) [Academic Grade Pay - Rs.7000 / Pay Band - PB3: Rs.15600-39100]

Essential Qualification: Ph.D. with First class in the preceding examination in appropriate branch (60% or CGPA of 6.5 as applicable, where class is not awarded).

Relevant Experience: Minimum one year after Ph.D in a position of Assistant Professor or equivalent with grade pay of not less than Rs 6000, working in any IIT/NIT/university/deemed university/ institute/ college/ industries/ CSIR or similar research institutions or as Post Doctoral Fellow in a reputed Institute/university.

Other essential requirements: None

Additional Desirable requirements: Two papers in Science Citation Index (SCI)/ Social Sciences Citation Index (SSCI)/ Arts and Humanities Citation Index (AHCI) journals or one patent; may be based on Ph.D. work.

Age limit (Desirable): 35 years

3. Assistant Professor (on Contract) [Academic Grade Pay - Rs.6000 / Pay Band - PB3: Rs.15600-39100]

Essential Qualification: Ph.D. with First class in the preceding examination in appropriate branch (60% or CGPA of 6.5 as applicable, where class is not awarded).

Relevant Experience: None

Other essential requirements: None

Additional Desirable requirements: One publication in Science Citation Index (SCI)/ Social Sciences Citation Index (SSCI)/ Arts and Humanities Citation Index (AHCI) journal.

Age limit (Desirable): 30 years

Age limits shall not be applicable for the existing faculty members of the Institute.

Selected candidates who are placed in PB3 with AGP of Rs.6000 shall move after one year to Assistant Professor (on contract) with AGP of Rs.7000 and the candidates in PB3 with AGP of Rs.7000 (on contract) shall move to Assistant Professor with AGP of Rs. 8000 after two years, subject to fulfillment of eligibility, qualifications, experience and requirements for the posts as governed by the guidelines issued by Ministry of Human Resource Development, Government of India. Assistant Professors (on contract) need not appear before the Selection Committee again to be placed in the regular scale with AGP of Rs 8000. Selected candidates on contract must fulfill all requirements for being placed in the regular post of Assistant Professor with AGP of Rs 8000 within five years since the date of joining, failing which the contract shall be terminated, Fixation of pay will be made as per guidelines of MHRD, Government of India.

Instructions to the Candidates

1. The application form may be downloaded from www.nitdgp.ac.in/all_pdf/application.doc.
2. The application form complete in all respect is to be submitted in hard copy to “**Registrar, National Institute of Technology Durgapur 713209, West Bengal, India**”. The applications will be received any time during the year and will be considered at the end of each quarter till the availability of vacancy. However, the applications will be considered upto **27th August, 2013** in the first instance.
3. The filled in application should be accompanied by application fee of Rs. 600 in the form of Crossed Demand Draft drawn in favour of “**NIT Durgapur**” payable at **SBI, R.E. College Branch, Durgapur, Code No.: 2108**. However, SC/ST/PWD candidates are exempted from paying any application fee.
4. The envelope should be superscribed “**Faculty Recruitment**” and the name of the Department should be mentioned on the **left-top corner of the envelope** containing the application. Candidates applying for more than one department have to submit separate complete applications with application fee.
5. For each of the qualifications, semester wise mark sheets, professional experiences, achievements, etc., documentary proof in the form of self-attested photo-copies is to be attached with the application.
6. The originals must be produced at the time of interview and at the time of joining, if selected.
7. Additional sheets may be attached, in the same format, wherever the space allocated is felt to be insufficient.
8. Consistently good academic background is essential for all applicants which includes secondary, higher secondary (+2) or any degree/diploma preceding the essential qualification.
9. Incomplete applications / applications without necessary enclosures will be summarily rejected.
10. Relaxation in age limit for SC/ST/OBC candidates is applicable as per Government of India rules.

11. Copy of the community certificate (OBC / SC / ST) issued by the competent authority, not below the rank of a Tahsildar must be attached. In case of OBC candidates, the certificate indicating the status regarding creamy layer must be issued on or after 01/04/13.
12. PWD certificate must have been issued by the competent authority as per Government of India norms.
13. The eligibility, qualification, experience and requirements for the posts notified shall be governed by the guidelines issued by MHRD from time to time and shall be applicable for this advertisement as well.
14. The Qualification, experience, age and other requirements will be considered as on the last date for receipt of applications.
15. The vacancies advertised are indicative and subject to variation at the time of interview / recruitment. The Institute reserves the right to fill or not to fill any of the vacancies advertised. The Institute reserves the right to reject any or all applications without assigning any reason.
16. Any misleading or wrong information supplied may lead to summarily rejection of application / appointment, if found subsequently.
17. An application in prescribed form with complete information and attachments will only be entertained for further processing.
18. Mere fulfillment of minimum qualification and experience requirements for the post does not entitle the candidate to be called for an interview. A short listing criterion may be set higher than the minimum advertised. Criteria for short-listing may vary from department to department.
19. Candidates with work experience in reputed universities, institutions or industry or with greater relevance to the academic programmes of the department will be given preference.
20. Experienced and/or meritorious candidates may be granted higher starting pay on recommendation of selection committees.
21. Persons employed in Government and Semi-Government organizations must apply through proper channel. However, an advance copy superscribed as "**Advanced Copy**" on the application form may be submitted before the last date.
22. No interim queries regarding interview / selection process will be entertained. All information shall be posted on the Institute website www.nitdgp.ac.in.
23. Canvassing in any form will lead to rejection of application form.
24. Decision of the Selection Committee and the Board of Governors of NIT Durgapur with respect to the selection process is final.
25. Legal disputes, if any with National Institute of Technology, Durgapur are restricted to the jurisdiction of Durgapur Court only.

Specialization and number of vacancies (Post: Assistant Professor)

Sl. No.	No. of Vacancy	Department	Specialization
1	05	Biotechnology (BT)	Biochemical Engineering, Cell Biology, Bioinformatics (Preference will be given to candidates with B. Tech. / M. Tech with PhD)
2	03	Chemical Engg. (CH)	Heat Transfer / Mass Transfer / Fluid Dynamics / Chemical Reaction Engineering / Chemical Engineering Thermodynamics / Process Equipment Design / Process Technology / Process Control & Instrumentation / Transport Phenomena / Environmental Engineering / Multi-phase Flow / Process Modelling & Simulation / Combustion Engineering / CFD / Petroleum Refining and Petrochemicals / Energy systems / Catalysis / Nano Technology.
3	01	Chemistry (CY)	Physical Chemistry with experience in Quantum/ Theoretical Chemistry, Organic Chemistry with experience in Synthetic Organic Chemistry, Inorganic Chemistry with experience in Organometallic Synthesis.
4	04	Civil Engg. (CE)	Transportation and Traffic Engineering / Geotechnical Engineering / Surveying and Remote Sensing / Water Resource Engineering / Environmental Engineering / Structural Engineering.
5	10	Computer Science and Engg. (CS)	Theoretical Computer Science, Circuits and Systems, Communication Networks, Software Engineering, Security Systems, Image Processing and Pattern Recognition, Soft Computing, High Performance Computing.
6	01	Computer Application (CA)	Networking & Communications, Security, Data Engineering, Software & Systems, VLSI, Graphics & Image Processing.
7	02	Earth and Environmental Studies (ES)	Post graduate in Geology / Applied Geology with specialization in Petrology/ Economic/ Geology/ Structural Geology/ Hydrogeology/ Engineering Geology and Ph.D. degree. Graduation in Environmental Engineering with/ without Post graduation in Environmental Engineering / Technology and Ph.D. degree. Graduation in Civil Engineering / Chemical Engineering with Post graduation in Environmental Engineering / Technology and Ph.D. degree.
8	10	Electrical Engg. (EE)	Control Systems, Power Systems, Electrical Machines and Drives, Power Electronics, Measurements and Instrumentation, High Voltage Engineering.
9	09	Electronics & Communication Engg. (EC)	Electronic Devices, Circuits and Systems, Power Electronics, Digital Systems and Microprocessors, Microcontroller, Microelectronics and VLSI, Embedded System, Nanotechnology, Computer Architecture, Digital and Analog Communication, Communication Engineering and Networking, Mobile Communication, Optical Communication & Optoelectronics, Optical Fiber Communication, Wireless Communication, EM Theory, Microwave Engineering, Antenna Engineering, MEMS, Control and Automation, Measurement and Instrumentation, Industrial Electronics, Signal, Image and Speech Processing, Image Processing and Computer Vision.
10	02	Humanities and Social Sciences (HS)	Post graduate in Economics with specialization in Econometrics/ International Economics/ Money and Banking with Ph.D. in the relevant field.
11	03	Information Technology (IT)	Very Large Scale Integration (VLSI) Technology, Artificial Intelligence, Distributed Computing, Wireless and Mobile Computing, Natural Language Processing, Image Processing and Medical Imaging, Software Engineering, Real Time

			Embedded Systems, Multimedia Databases and Processing, Quantum Computation.
12	03	Management Studies (MS)	MBA or equivalent with specialization in Marketing, Finance, Human Resource Management, International Business and Ph.D. degree in the relevant field.
13	10	Mechanical Engg. (ME)	Production Technology, Industrial Engineering, Heat Power/ Thermal Engineering/ Fluid Mechanics, Machine Design/Machine Dynamics.
14	06	Metallurgical and Materials Engg. (MT)	Process Metallurgy, Foundry Technology, Thermodynamics of Materials, Modelling and Simulation of Metallurgical Processes, Transport Phenomena, Mechanical Metallurgy, Physical Metallurgy, Materials Science.
15	03	Physics (PH)	Condensed matter Physics (theory & experiment), Nuclear Physics, High energy Physics, Astrophysics, Electronics, Laser physics, X-ray Crystallography, Spectroscopy, Materials Science, Solid State Physics, Experimental Physics.

• **Reservation is applicable as per the norms of the Government of India. However, PWD candidates in only the category of Locomotor disability shall be considered.**

• For departments CH, CE, CS, EE, EC, IT, ME, MT the candidates must be B. Tech. (or equivalent) in respective discipline with/without M Tech. (or equivalent) and PhD in any of the above areas of specialization.

• For departments CA, CY and PH the candidates must be post graduate in respective discipline and PhD in any of the above areas of specialization.

• For faculty members presently serving at NIT Durgapur, all specializations are acceptable.

Campus

NIT Durgapur is located in the heartland of industrial activities and the mineral-rich region of West Bengal, also known as 'The Ruhr of India'. The city of Durgapur is well connected by rail with Kolkata, 158 km away, and is an important railway station on the main New Delhi-Kolkata route. It is a three hours' drive from Kolkata airport along Durgapur Expressway and NH 2.

The Institute campus, spreading over 187 acres, is known for its serene environment with trees and water body. It is self-reliant with facilities like residential quarters, roads, water supply, power distribution network, market complex, school, banks, ATM and post office.

Incentives extended to the faculty members of NIT Durgapur

In addition to normal pay and allowances as applicable to the central Govt. employees stationed at Durgapur, following additional incentives are also available to the faculty members. The facilities may

1. Financial assistance for attending National/International Conferences, membership for professional bodies and other contingent expenses under the scheme of Cumulative Professional Development Allowance (CPDA) limited to Rs 1 Lakh per annum and Rs.3 lakhs in 3 years.
2. Free BSNL mobile CUG facility in plan-525.
3. Attractive Medical facility for the faculty members and their dependent family members.
4. Suitable in-campus residential accommodation as per rules, subject to availability
5. Research grant up to Rs 10 Lakh for faculty members (except Professors) after joining, in case she/he does not have a sponsored project.
6. Provision for consulting fees from consultancy and testing.

Registrar