

Ph.D. ADMISSION

2024 – 25 (ODD Semester)

Application Commences from 13 June, 2024



**NATIONAL INSTITUTE OF TECHNOLOGY
DURGAPUR, INDIA**

<https://nitdgp.ac.in/p/admission-2024>



NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

(An Institute of National Importance by an Act of the Parliament, Govt. of India)
Mahatma Gandhi Avenue, Durgapur-713209, West Bengal, INDIA.

ADMISSION TO PhD PROGRAMS (ODD SEMESTER, 2024-25)

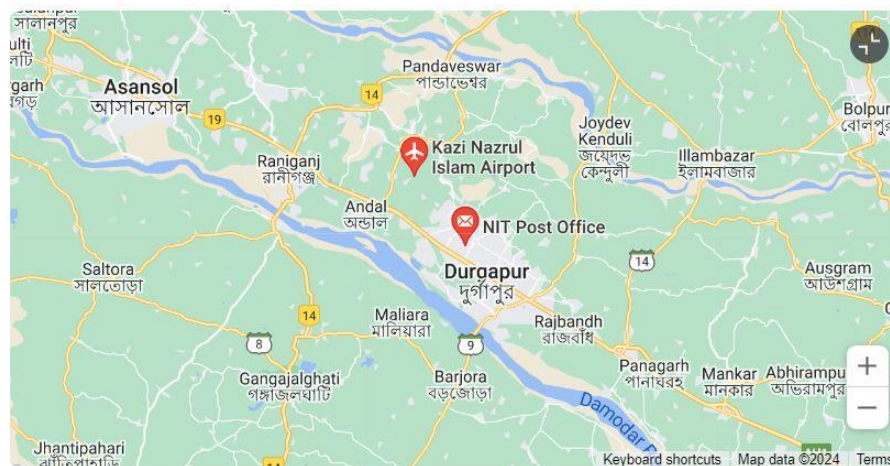
About National Institute of Technology Durgapur

History

The National Institute of Technology, Durgapur (formerly Regional Engineering College, Durgapur), was established by an Act of Parliament in 1960 as one of the eight such colleges aimed to function as a pace setter for engineering education in the country and to foster national integration. It is a fully-funded premier Technological Institution of the Government of India and is administered by an autonomous Board of Governors. The Institute is a University which awards B.Tech., M.Sc., M.B.A., M.Tech. and Ph.D. degrees to students after their successful completion of the specified courses. The Institute imparts education in the disciplines of Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, Mechanical Engineering, Metallurgical and Materials Engineering, Information Technology, Biotechnology, Physics, Chemistry, Mathematics, Environmental science, Materials Science and Management Studies. As decided by the Ministry of Human Resource Development, Government of India, the procedure for selection of candidates for admission to the Bachelor Degree Courses in Engineering/Technology in National Institute of Technology Durgapur and in other NITs is on the basis of State Rank/ All India Rank (AIR) of AIEEE conducted by Central Board of Secondary Education, New Delhi, and the same is executed through counselling by Central Counselling Board, AIEEE under guidance from MoE, GOI as per schedule notified by CCB. In addition to the normal intake, a few seats are reserved for Foreign Students who are nominated by the Ministry of External Affairs, Government of India, and the Indian Council for Cultural Relations, Government of India.

Location

The Institute is located about 160 KMs north-west of Kolkata on the Howrah-Delhi main railway route and overlooking the National Highway No. 2 (the great Grand- Trunk Road). The Institute spreads over an area of 187 acres of land. It is fully residential and co-educational. At present about 2500 boys and 500 girls reside in seven boys' hostels and two girls' hostels. The annual undergraduate intake is more than 1000 students.





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ADMISSION ADVERTISEMENTS

Advt. No.: NITD/AC/PhD/2024-25/ODD

Date: 13.06.2024

Applications are invited from eligible candidates for Admission to PhD programs, Odd Semester, 2024-25 under the following categories:

(a) Regular Research Scholar

- **Category-A:** Regular Research Scholar with Institute Fellowship
- **Category-B:** Regular Research Scholar with financial support from different Govt. sponsoring agencies such as DST, UGC, CSIR, DAE, NBHM, DST-INSPIRE etc.
- **Category-C:** Regular Research Scholar working in Externally Funded Sponsored Projects at NIT Durgapur
- **Category-G:** Regular Research Scholar Sponsored by Government/ Semi-Government/ other Highly Reputed Organizations/Academic or Research Institutions
- **Category-K:** Regular Research Scholar without Institute Fellowship (Self-financed)

(b) Professional Research Scholar

Interested candidates seeking admission in this category are requested to apply through proper channel with No Objection Certificate (NOC) from her/his parent employer. Enterprenuer / Businessman / Self-employed candidates need to submit self-declaration in this regard.

- **Category-F:** Professional Research Scholar from the Institute (Faculty / Staff of NIT Durgapur)
- **Category-H:** Professional Research Scholars from Industries
- **Category-I:** Professional Sponsored Research Scholars from Academic/ Research Institutions

1. Time Schedule of Admission Process:

Events	Dates
Closing Date for submission of Online Application	05/07/2024
Publication of List of Applicants	06/07/2024
Verification of Submitted documents by the Respective Departments / Centres	06/07/2024-10/07/2024
Publication of Shortlisted Candidates on the Institute website as prepared by the respective Departments / Centres	12/07/2024
Admission test and Viva-voce by the Respective Departments / Centres	22/07/2024-24/07/2024
Publication of Results on the Institute website	26/07/2024
Admission and Enrollment of Selected candidates/ Physical Reporting to the Institute	31/07/2024-02/08/2024
Publication of WAITLIST Candidates, if any	03/08/2024
Admission of Candidates from Waitlist, if required	05/08/2024-06/08/2024



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2. Availability of Seats under Various Categories:

2.1 Category A

Category	OP	OP-PWD	OBC - NCL	OBC-NCL-PWD	EWS	EWS-PWD	SC	SC-PWD	ST	ST-PWD	Total
No. of Seats	39	2	26	1	10	0	15	0	7	0	100

2.2 Category- B, C, F, G, H, I and K

All 14 departments and four centres as mentioned in the Section 2.1 will admit Research Scholars of Category B, C, F, G, H, I and K.

3. Eligibility Criteria

Qualifying Degree* (for relevant discipline)	General/ OBC	SC / ST
ME / M. Tech./ M. Arch/M. Pharm / M. S. / MBA / MA / M. Sc./ M. Com./ MBBS/BDS	6.5 CGPA or 60% marks	6.0 CGPA or 55% marks
CA / CMA / ICWA / CS with a graduation degree		
BE / B. Tech / B. Arch/B. Pharm / MCA / Equivalent	8.0 CGPA or 75% marks	7.5 CGPA or 70% marks

Note:

(a) For Category A: Selection process shall be through National level examinations conducted by NIT Durgapur in respect of OM No. F.No.12-212023-U1, dated 11.09.2023.

(b) All the degrees must be from an Institute/University recognized by UGC/AICTE, Govt. of India.

- Here, CGPA is on a 10 point scale. Candidates will have to mention CGPA/Percentage as awarded by their University/Institute in the application form. Conversion from CGPA to percentage or vice versa given by individual Institute will not be considered.
- The eligibility criteria as given above is the minimum requirement only. Good academic career and higher qualification will be preferred. However, satisfying the mere eligibility shall not ensure a call for admission test and/or viva voce.

3.1 Department / Centre Specific Academic Qualifications:

Department	Details of Relevant Disciplines
Biotechnology (BT)	BE / B.Tech / ME / M.Tech / MS/ M.Sc/B. Pharm / M.Pharm / MBBS / BDS or equivalent degree in relevant disciplines / specializations.
Civil Engineering (CE)	BE / B. Tech / ME /M. Tech / MS/ 5 years Integrated/ dual degree or equivalent in Civil Engineering / Construction Engineering / Earthquake Engineering / Structural Engineering / Aerospace Engineering / Architecture / relevant disciplines



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Chemical Engineering (CH)	(i) BE / B.Tech / ME / M.Tech / MS / 5 year Integrated/ dual degree in Chemical Engineering/ Chemical Technology/ Mechanical Engineering/ Metallurgical/ Metallurgical and Materials Engineering/ Civil Engineering/ Bio technology/Polymer Technology/Computer Science & Engineering/Information Technology / Environmental Science and Engineering. Or (ii) M. Sc. in Chemistry/Physics/Mathematics /Environmental Sc. / Environmental Engg. (with Mathematics as one of the subject in 10+2 level)
Computer Science & Engineering (CS)	(i) BE / B.Tech / ME / M.Tech / MS / 5 years Integrated/ dual degree in CSE/IT/ECE/EE Or (ii) MCA/MSc in Computer Science
Chemistry (CY)	BE / B.Tech / ME / M.Tech / M.Sc / MBBS / BDS / 5 year Integrated / dual degree in Science / Engineering / Technology In addition, applicants must have studied chemistry / Biochemistry / geochemistry as one of the subjects at their UG/PG levels.
Electronics & Communication Engineering (EC)	(i) BE / B. Tech / ME / M. Tech / MS / 5 years Integrated/ dual degree in ECE/ EE/ CSE/ IT/ EI or relevant disciplines / specializations Or (ii) M. Sc with specialization in Physics / Electronics/ Radio Physics and Electronics / Electronics and Communication
Electrical Engineering (EE)	BE / B. Tech / ME / M. Tech / MS / 5 years Integrated/ dual degree or Equivalent Degree in Electrical Engineering / Electrical & Electronics Engineering / Electronics Engineering / Electronics and Communication Engineering / Computer Science Engineering / Electronics and Instrumentation Engineering / Instrumentation and Control Engineering or relevant disciplines / specializations
Earth and Environmental Studies (ES)	(i) M.Sc. /M.S. /M. Sc.(Tech.) in Geology/ Earth Science/Applied Geology and Geo informatics/ Applied Geology/ Geochemistry / Hydrogeology (or Ground water)/Agriculture. Or (ii) BE/B. Tech in Environmental Engineering/ Civil Engineering / Water Resources Engineering or Management / Chemical Engineering or relevant disciplines. Or (iii) ME/M. Tech in Environmental Engineering/ Environmental Science and Technology/Water Resource Engineering/ Agricultural Engineering / Architecture or relevant disciplines.
Humanities & Social Sciences (HS)	MA / M.Sc. / M. Com / MSW (or any postgraduate degree) in Economics/ Statistics/ Commerce / English/ Linguistics/ Cultural Studies / Gender Studies / Sociology / Social Work or relevant disciplines
Mathematics (MA)	(i) MA/M.Sc in Mathematics/ Statistics/ Computer Science/ Physics Or (ii) BE/B. Tech /ME/M.Tech/MS in any specialization / MCA



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Mechanical Engineering (ME)	(i) BE/ B. Tech in Mechanical Engg./Production Engg. Or (ii) ME/M. Tech in Thermal Engg. /Heat Power Engg / Production Engg / Manufacturing Engg. / Machine Design / Fluid Mechanics / Hydraulic Machines / Power Engg. / Automobile Engg. / Applied Mechanics / Mechatronics / Robotics.
Metallurgical & Materials Engineering (MM)	(i) BE/B. Tech /ME/M.Tech/MS in Metallurgical and Materials Engineering/Mechanical Engg. /Production Engg./Ceramic Engg./Manufacture Engg./ Materials Science/Aeronautical Engg./Aerospace Engg./Nanoscience and Nanotechnology / Fuel and Mineral Engineering or relevant disciplines. Or (ii) M. Sc. in Physics or Chemistry.
Management Studies (MS)	(i) MBA with Specialization in Marketing / Finance / HR / HR & OB / Systems & Operations Or (ii) Post Graduate Degree either in Economics / Statistics / Commerce / Psychology / Applied Psychology or any relevant disciplines Or (iii) BE/B. Tech /ME/M.Tech/MS in any specialization
Physics (PH)	(i) M.Sc. in Physics/Applied Physics/Chemistry / Materials Science/ Nanotechnology/ Biophysics/ Electronics Science. Or (ii) BE/B. Tech /ME/M.Tech/MS in Materials Science/Nanotechnology or relevant disciplines.
Centres	
Centre for Research on Environment and Water (CREW)	(i) BE/B. Tech /ME/M.Tech/MS in Environmental Engineering/ Civil Engineering / Chemical Engineering / Water Resources Engineering or Management /Biotechnology/Metallurgy & Materials Sc./Computer Sc./Agricultural Engineering/Nano Science and Technology Or (ii) M. Sc./MS/M.Sc. (Tech) in Geology/ Earth Science/ Applied Geology/ Geochemistry / Hydrogeology (or Groundwater) /Agriculture/ Chemistry/Applied Chemistry /Physics /Mathematics / Biotechnology/ Applied Physics /Geophysics /Biophysics /Engineering Physics /Environmental Science / Bioscience / Microbiology /Zoology /Botany /Applied Chemistry /Radiochemistry /Radiophysics /Geochemistry / Engineering Chemistry /Atmospheric Science /Ocnography /Computation Bioscience /Computational Chemistry / Computational Geoscience /Seismology.
Centre for Biomedical Engineering & Assistive Technology (BEAT)	i) BE/B. Tech /ME/M.Tech/MS or equiv. in Biomedical Engineering / Chemical Engineering / Computer Science & Engineering / Electrical Engineering / Electrical & Electronics Engg. / Electronics & Telecommunications Engineering / Instrumentation Engineering / Mechanical Engineering / Metallurgical and or Material Science Engineering.



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	Or ii) B. Pharm / M. Pharm / MBBS / BDS Or iii) M.Sc or equiv. in Biochemistry / Biophysics / Biotechnology / Ceramics / Chemistry / Electronics / Ergonomics / Material Science / Mathematics / Molecular Biology / Physics and Physiology
Centre for Advanced Research on Energy (CARE)	BE / B.Tech / ME / M. Tech./ M. Pharm /M. Sc / MS or any Equivalent Post Graduate Degree in the Relevant Disciplines.
Centre of Excellence on IoT and Intelligent Systems (IoTIS)	BE / B.Tech / ME / M. Tech./ M. Pharm /M. Sc / MS in any branch of Engineering /Technology

4. FELLOWSHIP

- Regular Research Scholars admitted under Category- A shall receive fellowship as per the prevailing norms of Ministry of Education (MoE). At present, the monthly fellowship is ₹37,000 for the first 2 years and enhanced rate of ₹42,000/- for the remaining 3 years following the PhD regulations of NIT Durgapur.
- NIT Durgapur is not liable to pay any fellowship to the scholars admitted in Categories B, C, F, G, H, I and K.

5. APPLICATION PROCEDURE:

All announcements related to PhD admission will be made through the Institute website (www.nitdgp.ac.in). No communication will be made to any individual separately. Candidates are requested to visit the Institute website from time to time as required. The Institute will not be responsible in any manner if a candidate fails to visit /access the website in time.

5.1 Mode of Application: Online through the link <https://nitdgp.ac.in/phdadmission/p>.

5.2 Application Processing Fee (Non-refundable):

- Rs. 500** for OPEN, EWS and OBC,
- Rs. 250** for SC, ST and PwD

Proof of payment of successful transaction has to be produced by the candidate.

5.3 Account Details for Payment of Application Fee:

- Name of the Account: National Institute of Technology Durgapur
- Account Number: 8569101000352
- Name of the Bank: Canara Bank
- Name of the Branch: NIT Durgapur
- IFSC Code: CNRB0008569



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6. SELECTION PROCEDURE

The shortlisting of applications will be made by the respective departments based on the documents submitted (online) and subject to fulfillment of eligibility criteria fixed by the respective departments. The list of candidates shortlisted for admission test and / or viva voce will be published on the Institute website on the notified date. Candidates are required to check the webpage of the respective Departments/Centres in the Institute website for **the syllabus of the admission test**.

(i) Selection of Research Scholars under Categories A, B, C, G, I and K:

All shortlisted candidates shall appear for the admission test. There may be a further screening after the conduct of the admission test and before viva-voce, depending upon the number of candidates.

(ii) Selection of Professional Research Scholars (Categories F and H):

Selection under these categories will be made directly **through viva-voce**.

The admission committee of the respective departments are fully empowered and responsible for selection and their decision is final in the admission process.

The List of Selected Candidates will be published on the Institute website (www.nitdgp.ac.in).

7. FEE STRUCTURE :

The Fee structure for the Academic Session 2024-25 is available in the Institute website (www.nitdgp.ac.in).

Sl. No	Fee	1st semester (Amount in Rs.)		Other than 1st Semester (Amount in Rs.)	
		Categories A, B, C	Categories G, H, I, K	Categories A, B, C	Categories G, H, I, K
1	Tuition fee	7500	20000	7500	20000
2	Admission fee	3500	3500	0	0
3	Institute Caution money (Refundable)	10000	10000	0	0
4	PhD Registration Fee	5000	5000	0	0
5	Convocation Fee	1000	1000	0	0
6	Alumni Activity Fee	1000	1000	0	0
7	Other Semester Fees	15100	11100	15100	11100
8	Comprehensive insurance premium, Health Care and wellbeing charge	1500	0	1500	0
9	Hostel seat Rent	10000	10000	10000	0
10	Hostel Establishment Charge	1500	1500	1500	0
11	Hostel Caution Money (Refundable)	5000	5000	0	0
12	Mess Charge	As applicable	As Applicable	As applicable	As Applicable
Total		61,100	68,100	35,600	31,100



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8. PhD REGULATIONS

The admitted scholars will be subjected to PhD Regulations, 2022 (Amended) available on the Institute website. Applicants are advised to go through the details of rules & regulations available on the institute website (www.nitdgp.ac.in).

9. HOSTEL ACCOMMODATION:

NIT Durgapur is a residential institute. Each and every regular scholar will be required to reside in hostels as per Institute rules, subject to the availability of vacant seats. Married research scholars accommodation, if available will be provided on a priority basis.

It is also to note that there is a mandatory residential requirement as specified in PhD regulations for all professional research scholars.

10. DOCUMENTS TO BE UPLOADED

Field	Documents Required	Categories A & K	Categories B, C, F, G, H, I
Compulsory field 1	Passport size colour photograph (<500kb)	Yes	Yes
Compulsory field 2	Signature in blue pen (<100kb)	Yes	Yes
Compulsory field 3	Proof of Date of Birth (officially valid)	Yes	Yes
Compulsory field 4	Photo ID Proof as per Govt. of India norms (preferably Aadhaar Card)	Yes	Yes
Compulsory field 5	NET / GATE Score card as applicable	Not Mandatory	Not Mandatory
Compulsory field 6	Marks sheet / Grade card / Certificate of 10th Standard Examination. (A single pdf of all documents)	Yes	Yes
Compulsory field 7	Marks sheet / Grade card / Certificate of 12th Standard Examination. (A single pdf of all documents)	Yes	Yes
Compulsory field 8	Marks sheet / Grade card / Certificate of the University/Institute Examinations (Bachelor/UG program). (A single pdf of all documents)	Yes	Yes
Compulsory field 9	Marks sheet / Grade card / Certificate of the University/Institute Examinations (Masters/PG program). (A single pdf of all documents)	Yes	Yes
Relevant Field 1	Valid Certificate of Category (EWS/OBC-NCL /SC/ ST/ PwD), if applicable, as per Government of India, issued by the competent authority. EWS/OBC-NCL certificate must be valid for 2024-25 financial year and must be issued on or after April 01, 2024. The SC/ST/OBC-NCL candidates of Maharashtra State also have to produce their caste validity certificate.	Yes	Not Mandatory
Relevant Field 2	No-objection Certificate from Project Investigator / Proposed Supervisor / Parent Employer (Original), as applicable / (Undertaking Form / Course Completion Certificate, if required)	Not Required	Yes



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The selected candidates will be required to produce all the original documents for verification during their Admission Test/Physical Reporting/Admission to the institute. Selected candidates are also advised to bring the printed application form, one colour passport size photograph and a set of self-attested photocopies of all the required documents during Admission/Physical Reporting.

Additionally, all the selected candidates who will eventually turn out to be suitable for admission, will be required to submit **the migration certificate (in original)** at the time of physical reporting to the institute during the admission.

Misinformation/wrong information, submission of incomplete application and submission of incorrect / false documents will lead to rejection of the application/ candidature at any point of time and the submitted fees, if any, will not be refunded.

Respective Department / Centre reserves the right to cancel incomplete applications (including applications submitted without relevant documents), if any. No correspondence/interim inquiries will be entertained from the candidates in connection with the process of selection including reasons for not being called for admission test / viva voce. Canvassing in any manner would also entail disqualification of the candidature.

Date: 13.06.2024
NIT Durgapur

Dean (Academic)



For further information, please contact:
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