NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

Mahatma Gandhi Avenue, Durgapur-713209, West Bengal, INDIA
Website: www.nitdgp.ac.in

Advt. No. NITD/Acad/PhD/2020-21/Even   *Jan 11, 2021*

Admission to Various Regular and Professional PhD Programs, Even Semester, 2020-21

Applications are invited from eligible candidates for Admission to PhD programs, Even Semester, 2020-21 under the following categories as per the PhD Regulations of NIT Durgapur:

Category-A: Full-time Research Scholar with Institute Fellowship: Open for various Departments as stated below. (with a maximum 5 years of Scholarship)**:**

Sl No	Departments	CATEGORY										Total
		OP	OP-PWD	EWS	EWS-PWD	OBC-NCL	OBC-NCL-PWD	SC	SC-PWD	ST	ST-PWD	
1	Biotechnology (BT)	0	0	0	0	0	0	0	0	1	0	1
2	Civil Engineering (CE)	0	0	1	0	0	0	0	0	0	0	1
3	Chemical Engineering (CH)	0	0	0	0	1	0	0	0	0	0	1
4	Computer Science & Engineering (CS)	0	0	1	0	2	0	0	0	0	1	4
5	Chemistry (CY)	0	0	0	0	1	0	1	0	0	0	2
6	Electronics & Communication Engineering (EC)	0	0	0	0	1	0	0	0	0	0	1
7	Electrical Engineering (EE)	0	0	1	0	0	0	0	0	1	0	2
8	Mathematics (MA)	0	0	0	0	0	0	1	0	0	0	1
9	Metallurgical & Materials Engineering (MM)	0	0	0	0	0	0	0	0	1	0	1
10	Management Studies (MS)	0	0	1	0	0	0	0	0	0	0	1
	Total	**0**	**0**	**4**	**0**	**5**	**0**	**2**	**0**	**3**	**1**	**15**

Category-B: Regular Research Scholar with financial support from Government Programs (sponsored by DST, CSIR, UGC etc.)
B.1. Candidates seeking admission to PhD program having their fellowship from various government organisations such as CSIR, UGC, DBT etc. (Must be supported by a No Objection Certificate from the Supervisor)**.**
B.2. Candidatess seeking admission to PhD program having their fellowship under the DST-INSPIRE scheme (Must be supported by a No Objection Certificate from the Supervisor).

Category-C: Regular Research Scholar selected in Externally Funded Sponsored Projects in the Institute(Must be supported by a No Objection Certificate from the Principal Investigator, indicating the duration for which the fellowship is available)

Please note that interested applicants under categories B & C can also apply under various centres of the institute as listed below, if they have their own fellowships and / or applying from a project, which was funded for the centres of the institute (*relevant documents are to be produced from respective Centre Coordinators*):
   (i)   Centre for Research on Environment and Water (CREW)
   (ii)   Centre for Biomedical Engineering & Assistive Technology (BEAT)
   (iii)   Centre for Advanced Research on Energy (CARE)
   (iv)   Centre of Excellence on IoT and Intelligent Systems (IoTIS)

Minimum Eligibility Criteria for Admission to Ph.D. Program of NIT Durgapur :

Qualifying Degree* (for relevant discipline)	General/ OBC-NCL/EWS	SC / ST	Academic and other Qualifications
M. Tech./ M.E./ M. Arch/ M. Pharm / M. S. / MBA/ PGDBM/ PGDM	6.5 CGPA or 60% marks	6.0 CGPA or 55% marks	**Category A:** B. Tech/ B.E./ B. Arch/ B. Pharm / Equivalent with valid GATE. M. Tech./ M.E./ M. Arch/ M. Pharm degrees with or without GATE qualification.
M. Sc./ M. Com./ MBBS/ BDS	6.5 CGPA or 60% marks	6.0 CGPA or 55% marks	Other Post Graduate or Graduate degrees (as listed) with any relevant NET qualification. **List of NETs:**
MA	6.0 CGPA or 55% marks	5.5 CGPA or 50% marks	CSIR, UGC, GATE, JAM, GPAT, DBT-JRF, JEST, ICMR, ICAR, NBHM, Bioinformatics National Certification Examination etc.
MCA	7.5 CGPA or 70% marks	7.0 CGPA or 65% marks	However, these N ET qualifications will have to be relevant to the qualifying degree of the candidate concerned.
B. Tech/ B.E./ B. Arch/ B. Pharm / Equivalent	7.5 CGPA or 70% marks	7.0 CGPA or 65% marks	
CA/ ICWAI/ CS with a graduation degree	6.0 CGPA or 55% marks	5.5 CGPA or 50% marks	**Categories B and C:** As per the terms and conditions of the funding or sponsoring agency. **Categories F, G, H and I:** Same as category A, but GATE/NET qualification is not mandatory.

*All the degrees must be from an institute/university recognized by UGC/AICTE/MHE.

Above eligibility is minimum requirement only. Good academic career and higher qualification will be preferred. However, mere eligibility shall not ensure a call for admission test and/or viva voce.

Candidates need to mention CGPA or Percentage as awarded by their University/Institute only. In case of unavailability of such details, NIT Durgapur norms will be applicable.

Relevant academic qualification details of various departments are listed below.

Departments	Details of relevant disciplines
Biotechnology (BT)	B.Tech. /M. Tech/ MS/ M.Sc. in relevent subjects
Civil Engineering (CE)	(i) B.Tech./B.E. or equivalent in Civil Engineering /Construction Engineering /Earthquake Engineering /Structural Engineering /Aerospace Engineering OR in any branch of Engineering that may be considered for research areas consistent with Civil /allied Engineering, WITH OR WITHOUT M.E./M.Tech./ M.S. in the relevant discipline. (ii) 5 year Integrated/ dual degree M. Tech. in Civil Engineering /Construction Engineering /Earthquake Engineering /Structural Engineering /Aerospace Engineering.
Chemical Engineering (CH)	*Category A* (i) B. E. /B. Tech. in Chemical Engineering/ Chemical Technology/ Mechanical Engineering/ Metallurgical/ Metallurgical and Materials Engineering/ Civil Engineering/ Bio technology. (ii) B.E. / B. Tech. in Chemical Engineering/ Chemical Technology/ Mechanical Engineering/ Metallurgical/ Metallurgical and Materials Engineering/ Civil Engineering/ Bio technology **with** M.E./M. Tech./M.S. in any relevant discipline. (iii) 5 year Integrated/ dual degree M. Tech. in Chemical Engineering. The candidate must have completed the academic program(s) in normal duration with no repeat of years. *Categories B to J: (Any of the following)* (i) B. E./ B. Tech. or equivalent in Chemical Engineering or in any relevant discipline. (ii) M.E./ M. Tech. or equivalent in Chemical Engineering or in any relevant discipline. (iii) 5 year Integrated /dual degree M. Tech. in Chemical Engineering or any

	relevantdiscipline. (iv) M. Sc. in any relevant discipline.
Computer Science & Engineering (CS)	Four year UG programme in Engg./ Tech in CSE/ IT/ ECE/ EE or an allied area. OR Two Year PG programme in Engg./Tech in CSE/IT/ECE/EE, OR MCA/MSc(Comp. Sc.)
Chemistry (CY)	M.Sc. or M.Tech. in Chemistry/Chemical Science or Technology / Engineering/ Biochemistry/ Biological science/ Environmental science or technology / engineering/Material Science or technology / engineering (plastics, polymer, corrosion, nanotechnology and related areas). In addition, chemistry should be one of the subjects at UG levels.
Electronics & Communication Engineering (EC)	Four year undergraduate programme in engg or tech. in ECE/ EE/ CSE/ IT/ EI or an allied area, OR MSc (Physics) with specialization in Electronics/ Radio Physics and Electronics/ Material Science. OR MSc (Electronics Science)/ MSc (Electronics) OR Two year post graduate programme in Engineering/ Technplogy in ECE/ EE/ CSE/I T/ EI or an allied area. Or Integrated post graduate programme in Engg or Technology in ECE/ EE / CSE /IT/EI
Electrical Engineering (EE)	(I) B.E. / B.Tech. or Equivalent Degree In · Electrical Engineering (EE) · Electrical & Electronics Engineering (EEE) · Electronics And Communication/Telecommunication Engineering (ECE) · Computer Science Engineering (CSE) · Electrical, Electronics & Computer Science Engineering (EECS) · Applied Electronics And Instrumentation Engineering (AEIE/EIE) · Instrumentation Engineering (IE) · Instrumentation And Control Engineering (ICE) and (II) M. E./ M.TECH./ M.S. or Any Equivalent Post Graduate Degree In The Relevant Disciplines With Indicative Broad Area Of Research Available: · Power System · Electrical Machines · Power Electronics & Machine Drives · High Voltage Engg · Control System · Instrumentation/ Measurement · Instrumentation & Control · Bio-Medical Instrumentation · Energy Systems/ Renewal Energy Systems · Power Plant Engineering · Internet Of Things (IOT) · Embedded System · Artificial Intelligence(AI) · Machine Learning (ML) · Image Processing
Mathematics (MA)	PG degree in Mathematics, Physics, Bio Science and Medical Science, OR M.Tech in any discipline.
Metallurgical & Materials Engineering (MM)	B.Tech in Metallurgical and Materials Engineering/Mechanical Engg/Production Engg/Ceramic Engg/Manufacture Engg/ Materials Science/Aeronautical Engg/Aerospace Engg/Nanoscience and Nanotechnology, OR M.Tech in Metallurgical and Materials Engineering/Mechanical Engg/Production Engg/Ceramic Engg/Manufacture Engg/Materials Science/Aeronautical Engg/Aerospace Engg/Nanoscience and Nanotechnology, OR M.Sc in Physics or Chemistry
Management Studies (MS)	MBA with Specialization in Marketing or Finance or HR or HR & OB or Systems & Operations, OR Post Graduate Degree either in Economics or Statistics or Commerce or Psychology or Applied Psychology or Political Science or Sociology, OR B.Tech./M.Tech. with interest in doing research in the field of Finance or Quantitative

Finance or Marketing or HR or HR & OB or Systems & Operations

Financial Support
Fellowship as per the current norms of MHE, Government of India shall be available to all selected **Regular Research Scholars (Category-A)**

APPLICATION
Mode of Application: Online (nitdphdadmission.com)
The application fee of Rs 1,500/- (Rs 1,000/- for SC/ST/PWD candidates), which is non-refundable, has to be paid to the following account by means of <u>NEFT or IMPS only</u>. However, <u>a valid payment proof document of successful transaction has to be produced by the candidate</u>.
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

IMPORTANT DATES

Events	Dates
Last date of form submission (Online)	January 23, 2021 ending at 5:00 PM
Date of publication of list of applicants	January 25, 2021
Date of publication of shortlisted candidates on the website	January 27, 2021
Date of online admission test and viva-voce (by respective departments/ center)	January 29, 2021
Publication of results on the website	February 1, 2021
Online admission and enrollment of selected candidates	February 3, 2021
Publication of availability of seats from the waiting list	Will be notified later
Date of admission of candidates from waitlist, if required	
Date of physical reporting to the institute	

The dates may be changed depending on the condition of the pandemic. The applicants are advised to follow the institute website regularly for the updates.

Selection procedure for PhD candidates under categories A, B, & C:

A shortlisting of applications will be made by the respective departments based on the documents submitted (online) and only the short-listed candidates will be intimated for admission test and viva voce (online) on the notified date. All shortlisted candidates shall appear for the admission test online. There may be a further screening after the admission test for viva voce, depending upon the number of candidates.

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

List of selected candidates will be published on the website (www.nitdphdadmission.com & www.nitdgp.ac.in).

Hostel
NIT Durgapur is a residential institute. Each and every regular student will be required to reside in hostels, subject to availability of vacant seats. However, no married accommodation will be provided in the campus.

PhD Program Fees
Fee structure for PhD programs is available on institute website (www.nitdgp.ac.in).

PhD Regulations
The admitted scholars will be subjected to PhD Regulations, 2019 (Amended) to be published shortly which in mainly PhD Regulations, 2019. Applicants are advised to go through the rules & regulations available on the institute website (www.nitdgp.ac.in).

Application checklist for various categories*(to be uploaded online)***:**

A. Regular research scholar with Institute Scholarship

(i) Scanned copy of marks sheet / Grade card of the secondary, higher secondary board and other university examinations
(ii) Scanned copy of relevant document showing CGPA-Percentage of marks conversion as followed in the qualifying degree awarding University / Institute.
(iii) Scanned copy of the certificate / provisional certificate of all the qualifying examinations
(iv) Scanned copy of proof of date of birth
(v) Scanned copy of community certificate (SC/ST) from a competent authority as per the format given in the website, if applicable
(vi) Scanned copy of community certificate in case of OBC candidates from a competent authority as per the format given in the website indicating the status regarding creamy layer, issued on or after 01/04/2020
(vii) Scanned copy of certificate in case of EWS candidates from a competent authority as per the format given in the website indicating the status regarding creamy layer, issued on or after 01/04/2020
(viii) Scanned copy of Person With Disability (PWD) certificate from a competent authority as per the format given in the website, if applicable
(ix) Scanned copy of a valid NET qualification certificate (as described in the eligibility criteria), as applicable.
(x) Scanned copy of payment proof of application fees.
(xi) Valid photo identity proof
(xii) Valid address proof
(xiii) Any other relevant document.

B. Regular research scholar with financial support from Government programs (sponsored by DST/ CSIR/ UGC, etc.)

(i) Scanned copy of marks sheet / Grade card of the secondary, higher secondary board and other university examinations
(ii) Scanned copy of relevant document showing CGPA-Percentage of marks conversion as followed in the qualifying degree awarding University / Institute.
(iii) Scanned copy of the certificate / provisional certificate of all the qualifying examinations
(iv) Scanned copy of proof of date of birth
(v) Scanned copy of a valid NET qualification certificate, as per the requirement of the corresponding funding agency (in case of non-requirement, a valid document has to be produced), as applicable.
(vi) Scanned copy of No Objection Certificate from the Project Supervisor as per the format given in the website, as applicable
(vii) Scanned copy of payment proof of application fees.
(viii) Valid photo identity proof
(ix) Valid address proof
(x) Any other relevant document.

C. Regular research scholar selected in externally sponsored projects in the institute

(i) Scanned copy of marks sheet / Grade card of the secondary, higher secondary board and other university examinations
(ii) Scanned copy of relevant document showing CGPA-Percentage of marks conversion as followed in the qualifying degree awarding University / Institute.
(iii) Scanned copy of the certificate / provisional certificate of all the qualifying examinations
(iv) Scanned copy of proof of date of birth
(v) Scanned copy of a valid NET qualification certificate, as per the requirement of the corresponding funding agency (in case of non-requirement, a valid document has to be produced), as applicable.
(vi) Scanned copy of No Objection Certificate from the Principal Investigator as per the format given in the website, indicating the duration for which the fellowship is available
(vii) Scanned copy of payment proof of application fees.
(viii) Valid photo identity proof
(ix) Valid address proof
(x) Any other relevant document.

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.

The candidates must bring the printed application form, all the original documents (proof of date of birth, mark sheets and academic certificates, caste certificates, no objection certificates, sponsorship certificates, payment proof etc. as applicable) and a set of self-attested photocopies of the same and one colour passport size photograph along with them during their physical reporting (to be announced later) to the institute.

Respective departments reserve the right to cancel incomplete applications (including relevant documents). 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.

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

Dean (Academic)
NIT Durgapur