

# **National Institute of Technology Durgapur**

## **Regulations for PhD Degree**

***Effective from October 06, 2009***

***Revised on February 07, 2011; May 23, 2011; September 14, 2011; January 18, 2012; April 25, 2013; July 18, 2014; May 13, 2015; November 09, 2015, May 30, 2016***

### **1.0: Introduction**

1.1: The Institute offers doctoral research programme leading to the degree of Doctor of Philosophy (PhD) in the following disciplines.

- I. “Doctor of Philosophy”, Department of Biotechnology
- II. “Doctor of Philosophy”, Department of Chemical Engineering
- III. “Doctor of Philosophy”, Department of Chemistry
- IV. “Doctor of Philosophy”, Department of Civil Engineering
- V. “Doctor of Philosophy”, Department of Computer Applications
- VI. “Doctor of Philosophy”, Department of Computer Science & Engineering
- VII. “Doctor of Philosophy”, Department of Electrical Engineering
- VIII. “Doctor of Philosophy”, Department of Electronics & Communication Engineering
- IX. “Doctor of Philosophy”, Department of Earth & Environmental studies
- X. “Doctor of Philosophy in English/ Economics/ Management”, Department of Humanities & Social Sciences
- XI. “Doctor of Philosophy”, Department of Information Technology
- XII. “Doctor of Philosophy”, Department of Management Studies
- XIII. “Doctor of Philosophy”, Department of Mathematics
- XIV. “Doctor of Philosophy”, Department of Mechanical Engineering
- XV. “Doctor of Philosophy”, Department of Metallurgical & Materials Engineering
- XVI. “Doctor of Philosophy”, Department of Physics

1.2: The provisions of the regulations shall be applicable to a PhD programme in a new department that is set up in the Institute and added to the list in clause 1.1.

1.3: Notwithstanding any of the clauses provided in the Regulations, the Senate can exercise its powers to amend/interpret/ implement decisions and actions concerned with academic matters.

1.4: A joint PhD degree may be awarded by NIT Durgapur and another premier academic institution with whom NIT Durgapur has MoU to this effect. However, each such case shall have to be approved by the respective Senate.

1.5: The Board of Governors of the Institute may, on the recommendation of the Senate, change any or all parts of the Regulations at any time.

1.6: The medium of communication, instruction, examination, seminars and the defence of PhD thesis will be English.

### **2.0: Admission**

2.1: **Status of research scholar:** The status of the candidates admitted to the PhD programme shall be classified under any one of the following categories:

- A. Full-time Institute-sponsored research scholar with Institute Scholarship
- B. Full-time research scholar with financial support from Government/ Semi-Government organizations/ other organizations
- C. Full-time foreign research scholar admitted through Government of India
- D. Full-time research scholar under QIP/ EFIP scheme
- E. Full-time research scholar selected in externally sponsored projects in the Institute

- F. Full-time self-sponsored research scholar
- G. Part-time research scholar from the Institute Faculty/ Staff/ Project Staff
- H. Part-time sponsored research scholar
- I. Part-time self-sponsored research scholar
- J. Part-time Foreign research scholar from foreign institutions/organization
- K. Part-time Indian national research scholar from foreign institutions/organization

However, the PhD degree awarded to all categories of students shall be treated as the same and equivalent.

2.2: **Eligibility for Admission:** The minimum qualification required for admission to PhD programme is one of the following:

**2.2.1: Minimum Eligibility Criteria for Admission to Full Time Ph.D. Programme of NIT Durgapur**

<b>Qualifying Degree*</b> (for relevant discipline)	<b>General / OBC</b>	<b>SC / ST</b>	<b>National Eligibility Test Qualifications</b>
M. Tech./ M.E./ M. Arch/ M. Pharm / equivalent / MBA/ PGDBM/ PGDM	6.5 CGPA or 60% marks	6.0 CGPA or 55% marks	To be considered as fulltime institute-sponsored research scholar a valid National Eligibility Test (NET) qualification, as listed below, is a must for candidates not having M.Tech./M.E. degree.  List of NET qualifications: CSIR-UGC, GATE, JAM, GPAT, DBT-JRF, JEST, ICMR, ICAR, NBHM, Bioinformatics National Certification Examination etc. (OM No. SB/S9/2-01/2015 dated 07.01.2015)  However, these qualifications will have to be relevant to the qualifying degree of the candidate concerned.
M. Sc./ M. Com./ MA/ MBBS/ BDS	6.5 CGPA or 60% marks	6.0 CGPA or 55% marks	
B. Tech/ B.E./ MCA/ B. Arch/ B. Pharm	7.5 CGPA or 70% marks	7.0 CGPA or 65% marks	
CA/ ICWAI/ CS with a graduation degree	55% marks	50% marks	

\* All the degrees will have to be from a recognised technical institute / university / government open university.

2.2.2: Scholars under categories E and G must submit a no-objection certificate from the Institute/PI of the project respectively during admission. They shall work for the PhD programme while discharging their normal duties.

2.2.3: Part-time Sponsored research scholars (category H) may carry out their research work in their parent organization after fulfilling the pre-requisites in the Institute. They shall submit a no-objection certificate from the employer during admission if they do not belong to an institution / organization having MoU with NIT Durgapur.

2.2.4: Candidates in categories J & K shall be considered only from foreign institution/organization having MoU with NIT Durgapur.

2.2.5: Mere possession of required degree and a good academic record do not guarantee admission to a candidate for the Ph.D. programme. Apart from academic record, the DRPC will take into consideration the research aptitude, ability to work in a team, subject interest, availability of supervisors, facilities in the department and the research focus of the department while selecting candidates to the Ph.D. programme.

### 2.3: Admission procedure:

2.3.1: Scholars under categories B, C, E and G shall be directly admitted, subject to fulfillment of eligibility criteria and submission of requisite documents and no-objection certificate, if applicable. Admission procedure for candidates under category D will be made as per guidelines of respective schemes.

2.3.2: Admission of scholars under categories F, H, I, J and K shall be made once in each semester as per a pre-decided schedule. Dean (Academic) will publish the admission notice on the Institute website. The departments will receive the applications, screen these and publish the shortlists on the website. They will conduct admission tests and viva voce, select the candidates on the basis of overall academic performance, written test and viva voce and send the list of selected candidates to the office of Dean (Academic). Dean (Academic) shall publish the selection list on the Institute website. One expert from other department, selected from a panel of experts nominated by Director, will act as an observer in the viva voce.

2.3.3: Full-time Institute-sponsored research scholars (category A): Admission for category A Scholars shall be notified once in a year through Institute website and advertisement indicating the total number of seats available.

2.3.3.1: Applications of candidates shall be received by the office of Dean (Academic) and forwarded to the departments for screening. Dean (Academic) shall publish the short-list of the candidates screened by the departments on the Institute website along with the date, time and venue of the admission test and/or viva voce. A research scholar already registered for PhD programme in another category is also eligible to apply. However, if selected, s/he shall opt either to continue the research programme with the same registration under the supervisor allocated by the department or to continue in the previous category of research scholar. However, the total period for scholarship shall be restricted to maximum of 5 years including all sources of funding.

2.3.3.2: All eligible shortlisted candidates will take an admission test in the department, followed by a screening. The screened-in candidates will appear for viva voce in the department who will prepare a list of successful and waitlisted candidates and forward it to the Central Admission Committee (CAC). One expert from other department, selected from a panel of experts nominated by Director, will act as an observer in the viva voce.

2.3.3.3: The CAC shall prepare the final list of the selected candidates in a meeting.

2.3.3.4: Dean (Academic) shall publish the selection list on the Institute website. All communication related to the admission procedure shall be made through the Institute website [www.nitdgp.ac.in](http://www.nitdgp.ac.in) only. Regular reservation policy of the Government of India shall apply.

2.3.4: All selected research scholars shall fill in the admission form (vide **Annexure - I**) and submit an undertaking that s/he would abide by all rules and regulations and codes of conduct of the Institute.

2.3.5: Respective departments shall be responsible for the merit lists prepared by them.

### 3.0: Supervisors

3.1: The assignment of Ph.D. students to supervisor(s) by DRPC and constitution of Doctoral Scrutiny Committee (DSC) following enrollment / admission of the Ph.D. students will be made within a period of fifteen days. Chairperson (DRPC), in consultation with the supervisor(s), shall constitute the DSC (vide **Annexure - II**). The title of the research topic of a selected candidate shall be finalized by the supervisor(s) after mutual discussion.

3.1.1: All supervisors of PhD programme shall be at least in the rank of Assistant Professor or equivalent having a PhD degree. If a person from outside the Institute, not satisfying these criteria, is proposed to be a supervisor, the matter shall be referred to the Senate for decision.

3.1.2: The maximum number of full-time research scholars that one supervisor can supervise, at any point of time, is eight, subject to the approval of DRPC. The candidates who have already submitted the thesis will not be included for the purpose.

3.2: There can be maximum three supervisors for a research scholar.

3.2.1: At least one of the supervisors must be a regular faculty member of the Institute belonging to the department in which the Research Scholar will be registered for doctoral studies.

3.2.2: Other supervisors may be from the same department of the Institute or other departments/ institutes/ organizations in India. A person from abroad satisfying the qualification criteria may become a supervisor if NIT Durgapur has a formal collaboration through MOU with the Institute/ organization to which s/he belongs. A person from an institute / organization abroad, not having MOU with NIT Durgapur, may become a supervisor, if he arranges to sponsor the research scholar to work in his/her laboratory for one semester, wherever needed. NIT Durgapur will have no financial responsibility, whatsoever, in the visit. Supervisor(s) from other institutions/ organizations shall submit curriculum vitae, a consent letter and a no-objection certificate from the employer during formation of DSC, if they do not have MoU with NIT Durgapur.

3.3: Any change in supervisor shall have to be approved by the DSC and notified to the office of Dean (Academic).

3.3.1: Change of supervisor under exceptional circumstances shall be permitted on the recommendation of the DSC, subject to the consent of the research scholar, the present supervisor and the proposed supervisor. However, the candidate shall not be permitted to submit his/her PhD thesis within one year from the date of change of supervisor.

3.3.2: When a supervisor leaves the Institute permanently or temporarily for a period exceeding one year, the DSC shall appoint a new supervisor for the research scholar before his/her departure.

3.3.3: When a supervisor leaves the Institute temporarily for a period of less than one year, the DSC may make alternative arrangements in consultation with the supervisor for the supervision of the research scholar.

3.3.4: The DSC may consider continuation of the original supervisor on his/her return to the Institute as one of the supervisors, in case of clauses 3.3.2 and 3.3.3.

3.3.5: A supervisor after superannuation shall continue to act as the supervisor. However, if the research scholar has no other supervisor from the department in which s/he is registered, one more faculty member of the same department shall be made a supervisor after consultation with the superannuating supervisor and the research scholar. In case the pre-synopsis seminar is already presented successfully by the candidate, no additional supervisor shall be necessary.

3.4: Regular faculty members of the Institute enrolling in PhD programme may be self-guided. Such cases may be screened by a screening committee consisting of Chairperson, DRPC, a senior faculty member of the DRPC to be nominated by the DRPC and a panel of three external experts in related research area to be nominated by the DRPC with one being selected by Chairperson, Senate. The screening committee shall put up the recommendation to the Senate for approval. The faculty member shall present himself/herself the progress of the work in the DSC meeting.

#### **4.0: Registration**

4.1: Category of Registration: There shall be provision for two categories of registration for the candidates willing to register for PhD programme.

- (i) Full-time research scholar
- (ii) Part-time research scholar

#### 4.2: Registration Procedure:

4.2.1: The admitted candidate, subject to the consent of the DSC, shall pay Rs. 200/- as the application fee and download the Registration form from the Institute website (vide **Annexure III**).

4.2.2: The completed application form along with all relevant documents, application fee receipt, two attested passport-size photographs shall be submitted to the Head of the concerned department.

4.2.3: The DSC of the concerned department shall conduct a pre-registration seminar for the candidate.

4.2.4: Deleted.

4.2.5: Subsequent to obtaining a favourable recommendation from the DSC and approval of the Senate, the PhD registration fee of Rs. 2000/-, which may be revised from time to time, shall be paid by the candidate. The registration of PhD candidates may be approved by Chairperson, Senate and be ratified by the Senate in its subsequent meeting

4.2.6: The date when the candidate deposits the PhD registration fee shall be treated as the date of registration.

4.2.7: Candidates should normally present the registration seminar not later than two years from the date of admission, failing which the admission shall be cancelled. Efforts shall be made to get the registration done as early as possible.

4.3: Any change in the title of PhD work shall have to be approved by the DSC not later than three months before the date of submission of the final synopsis of the PhD thesis. The same shall be notified to the office of Dean (Academic).

4.4: If a candidate has the registration cancelled due to any reason, s/he may get registered again by completing all similar formalities. In such cases s/he may be allowed to submit the thesis after two years from the date of the last registration.

4.5: The research scholars shall be required to register at the beginning of each semester along with endorsement of satisfactory progress by the DSC (vide **Annexure- IV**) and pay Institute fees as approved from time to time. All students shall pay the tuition fee each semester. In case the candidate is unable to do it himself/herself, it may be done by the supervisor on his/her behalf.

4.6: A full-time research scholar may convert his status to part-time, subject to recommendation of the DSC, after completing all requirements for part-time research scholars.

4.7: A registered full-time self-sponsored research scholar (category F) may convert his status to any other category of full-time research scholar, when such a situation arises, if the same supervisor(s) is assigned to her/him by the DRPC and it is not in conflict with any of the clauses of the PhD regulation.

#### **5.0: Course Work**

The research scholars will take courses recommended by the supervisor(s) and approved by the DSC as a mandatory requirement for the doctoral programme. The list of courses to be taken by a research scholar during a semester shall be endorsed by the DSC and notified to the office of Dean (Academic) within fifteen days from the start of the semester or within fifteen days from the date of admission, if it is within 15 days from the start of the semester. In case a course is taken from another department, it is to be endorsed by the head of concerned department (vide **Annexure - V**).

5.1: Full-time research scholars:

5.1.1: Scholars with M. Tech. degree or equivalent shall take minimum two courses (8 credits) and must pass each of these. One of the courses shall be 'Research Methodology' to be offered by respective supervisor as a sessional course.

5.1.2: Scholars having any other qualification shall take minimum three courses (12 credits) and must pass each of these. One of the courses shall be 'Research Methodology' to be offered by respective supervisor as a sessional course.

5.1.3: 75% attendance is mandatory for all Full-time research scholars.

5.2: Part-time research scholars: They shall take at least one course 'Research Methodology' (4 credits), a sessional course, to be offered by respective supervisor and must pass.

5.2.1: The supervisor may recommend more courses to be taken up by the research scholar, if needed.

5.3: The supervisor shall forward the grades of the research scholar to the DSC at the end of each semester along with a report on the progress made by the scholar. The DSC shall forward the grades to the office of Dean (Academic) for publication of results.

## **6.0: Submission of PhD Thesis and its Examination**

6.1: Submission of Thesis:

6.1.1: The research scholars of all categories shall normally submit their PhD thesis within a period of five years from the date of registration for the PhD programme. However, for satisfactory reasons, the period may be extended, not exceeding two consecutive terms of one year each. The extension shall have to be recommended by the DSC and approved by BOS(R). In case, no extension for registration is applied for, the registration shall automatically stand terminated at the end of the above stipulated period.

6.1.2: A research scholar shall submit his/her PhD thesis not earlier than two years from the date of registration for the PhD programme.

6.1.3: On completion of the research work, the research scholar shall submit to the DSC, through the supervisor(s), one hard copy and a soft copy of the synopsis of the PhD thesis. The DSC shall assess the work through a pre-synopsis seminar in presence of all supervisors (vide **Annexure - VI**). However, it is not mandatory for the supervisors from abroad to be present. The DSC shall forward the synopsis along with recommendations to the office of Dean (Academic).

6.1.4: The scholar must have at least one paper published/accepted for publication based on his/her doctoral research in a peer reviewed SCI/SSCI/AHCI / Scopus/ Web of Science journal before submission of the synopsis.

6.2: The thesis examination fee of Rs. 6000/-, which may be revised from time to time, shall be deposited, subject to completion of all formalities.

6.3: The research scholar shall submit two copies of the PhD thesis with soft cover for the external examiners to the office of the Dean (Academic) within six months from the date of pre-synopsis seminar. The soft copy of the thesis shall be emailed to Dean (Academic). After successful defence of the thesis, the research scholar shall submit ONE hard bound copy of the final version of the PhD thesis to the office of Dean (Academic).

6.4: Examination of PhD Thesis:

6.4.1: The DSC shall submit to Dean (Academic) in hard and soft copies a panel of five external examiners in the area of the submitted research work each from India and abroad for appointment as external examiners of the thesis. The list must include the name, designation,

affiliation, full postal address, telephone number and email id of the examiners. It shall also include the name and registration number of the research scholar, thesis title, the department registered and the name of the supervisor(s) (vide **Annexure - VII**). Director as the Chairperson of the Senate shall select from the recommended panel one external examiner each from India and abroad. The supervisor(s) shall be the Internal Examiner(s).

6.4.2: Dean (Academic) will arrange to dispatch the synopsis to the external examiners by email. On receipt of their acceptance to become the external examiner of the PhD thesis, the Academic Section will arrange to dispatch the thesis to them by post. The soft copy of the PhD thesis shall also be sent through email. Normally, the examiner will be required to submit the evaluation report within six weeks.

6.4.3: When a thesis is unanimously accepted by the board of examiners for the award of the PhD degree (vide **Annexure - VIII**), the candidate shall be required to defend the work at an open seminar followed by a viva-voce conducted in presence of the external examiner from India, DSC members and other interested persons (vide **Annexure - IX**). It is not mandatory for the supervisors from abroad to be present during the viva voce. In case the Indian external examiner is not able to attend the seminar and viva-voce, Director shall appoint an alternate examiner for the purpose from the existing panel of external examiners from India.

6.4.4: If an external examiner does not respond within one month from the date of dispatch of the synopsis or within three months from the date of dispatch of the thesis, Director may select an alternate name from the recommended panel of Experts as the external examiner.

6.4.5: If a thesis in the present form is not found to be acceptable by the external examiners for award of the PhD degree and is likely to be accepted after revision in line with the modifications suggested by the external examiners in their report, the research scholar may re-submit the thesis incorporating the suggested amendments after three months from the date of the earlier decision of the DSC. An additional thesis examination fee of Rs. 1000/-, which may be revised from time to time, shall be deposited prior to the re-submission.

6.4.6: If a thesis is recommended by one external examiner for the award of the PhD degree but is not recommended by the other external examiner, the thesis may be sent to another examiner. A fresh panel of external examiners may be submitted by the supervisor(s), if needed. The research scholar may submit another copy of the thesis after depositing an additional thesis examination fee of Rs. 1000/-, which may be revised from time to time.

6.4.7: If a thesis is not recommended by both the external examiners, the research scholar may submit a fresh thesis after a period of six months from the date of the pre-synopsis seminar. The thesis examination fee of Rs. 6000/-, which may be revised from time to time, shall be deposited again before the submission of the thesis. The supervisor(s) will recommend a fresh panel of five external examiners in the area of the submitted research work each from India and abroad for appointment as external examiners of the thesis.

6.5: A provisional certificate shall be issued on completion of all requirements for the award of the PhD degree and approval of the Senate. The date of successful defense of the PhD thesis shall be considered to be the date of award of the PhD degree. The final degree certificate will be conferred on the candidate at the next convocation or thereafter.

## **7.0: Scholarship**

7.1: Only the Institute-sponsored research scholars will receive the Institute Scholarship at a rate in accordance with the directives from appropriate authorities. Institute Scholarships shall be governed by the rules of MHRD and the Institute.

7.2: The maximum period for which an Institute-sponsored research scholar shall receive the Institute Scholarship will be as per MHRD norms.

7.3: All Institute research scholars shall apply for enhancement of Scholarship at least one month before the completion of two years from the date of joining (vide **Annexure - X**). They will submit a summary of the progress of their work to the Chairperson, DSC through their

supervisor(s) and deliver a seminar. The recommendation of the DSC will be forwarded to Dean (Academic) immediately after the completion of two years.

7.4: Subject to favourable recommendation of the DSC, the research scholar shall be eligible for enhanced scholarship from the date of completion of two years from the date of joining.

7.5: In case the recommendation of the DSC is not favourable, the candidate may deliver a fresh seminar within three months from the previous one for consideration of enhancement in scholarship.

7.6: In case of a scholarship funded by an external agency or a sponsored research project operating in the Institute, the rules for the scholarship shall be governed by the provisions specified by the sponsor.

7.7: The Full-time research scholars shall be eligible for leave as per the norms of Government of India subject to approval of the supervisor and the Head of the department. There shall be provision of maternity leave as per the norms of Government of India.

### **8.0: Withdrawal from the Institute**

8.1: In case a student wishes to withdraw from the PhD programme temporarily, s/he may do so with prior permission of the Senate.

8.2: If a research scholar leaves the programme without prior permission of the Institute, s/he will lose the status of research scholar of the Institute forever.

8.3: On the basis of reports received from Doctoral Scrutiny Committee, the enrolment may be terminated at any time for reasons of unsatisfactory performance and the Institute's decision in this regard shall be final.

### **9.0: Miscellaneous**

9.1: All seminars and viva voce for the PhD programme shall be open house, with a notice normally circulated to all departments of the Institute at least seven days in advance.

9.2: All seminars; pre-registration, enhancement and pre-synopsis seminars must be conducted within a maximum period of one month from the date of application by the candidate, subject to concurrence of the DSC.

9.3: If the DSC finds the performance of the research scholar unsatisfactory, it will give at least two warnings to the candidate. If there is no improvement in her/his performance even after the warnings, the DSC may recommend termination of the PhD programme for the scholar, which should be recommended by the DRPC for approval by the Senate.

9.4: The fee structure shall be revised from time to time.

### **10.0: Committees / Functionaries**

The following committees shall be constituted for the research programme for a period of 3 years.

#### **10.1: Board of Studies (Research) [BOS(R)]**

10.1.1: Constitution:

I. Dean (Academic) –	Chairperson
II. Dean (R&C) –	member
III. Dean (Faculty Welfare) –	member
IV. Dean (AIRO) -	member
V. Chairman of all DRPCs –	members
OR	
Any one faculty (with Ph.D.) nominated by Chairman of respective DRPCs -	member



- VI. One representative with Ph.D. degree from industry / R&D organization - member
- VII. Associate Dean (A&E) – member
- VIII. Deputy Registrar (A&E) - Convenor

#### 10.1.2: Functions:

- i. To consider the recommendations of the DRPC on matters relating to research programme and to make suitable recommendations to the Senate
- ii. To ensure that all norms and regulations pertaining to research programme are strictly followed
- iii. To make periodic review of ordinances, regulations and instructions pertaining to research programme and to recommend to the Senate any modification thereof
- iv. To review the academic performance and make suitable recommendations to the Senate regarding the award of degrees
- v. To conduct at least one meeting each semester and send the proceedings to Secretary, Senate
- vi. The quorum for each meeting will be fifteen.

### **10.2: Departmental Research Programme Committee (DRPC)**

#### 10.2.1: Constitution

- i. Head of the department: Chairperson  
In case, Head of the department does not possess PhD degree, Chairperson shall be nominated by the Director.
- ii. All faculty members of the department having PhD degree: Members
- iii. One Professor from a premier national academic institution / one expert from industry / R&D organization with PhD degree: Member

#### 10.2.2: Functions

- i. To ensure academic standard and excellence of the PhD programme offered by the department
- ii. To assign the supervisor(s) to the research scholar in consultation with the Scholar and the supervisor(s)
- iii. To conduct admission test/ interview
- iv. To consider any general matter related to the research programme of the department and propose change in policy pertaining to the PhD programme.
- v. The external expert to be present in the non-routine DRPC meetings where policy decisions are recommended.

### **10.3 Doctoral Scrutiny Committee (DSC):**

#### 10.3.1: Constitution

- i. Chairperson (DRPC) – Chairperson
- ii. Two faculty members of the department having PhD degree – Members  
[if not available, faculty members from other department(s) with PhD]
- iii. One faculty member of any other department of the institute having PhD degree - Member
- iv. Concerned supervisor(s) for the research scholar - Member

#### 10.3.2: Functions

- i. To conduct registration, enhancement and pre-synopsis seminars, viva voce
- ii. To act as the examiners in the above seminars and viva voce.
- iii. To oversee and advise on all matters related to the PhD work of the candidate

#### 10.4. Supervisor:

##### 10.4.1: Functions:

- i. To assign a topic for research to the research scholar in consultation with the Scholar
- ii. To recommend the courses to be taken up by the research scholar
- iii. To provide or arrange for facilities to carry out research and supervise the research scholar for the entire research studies
- iv. To monitor the progress of the research scholar.
- v. To report to the DSC the performance of the student at the end of each semester
- vi. To recommend a panel of PhD thesis external examiners to Dean (Academic) confidentially.
- vii. To forward all applications of the research scholar working under him to the DRPC

#### 10.5. Central Admission Committee (CAC)

##### 10.5.1: Constitution

- |  |          |
|--|----------|
| i. Dean (Academic) –   | Chairman |
| ii. Chairman of all DRPCs –  | members  |
| OR   |          |
| Any one faculty (with Ph.D.) nominated by Chairman of respective DRPCs - | member   |
| iii. One faculty member nominated by the Director -                      | member   |
| iv. Associate Dean (A&E) –   | member   |
| v. Deputy Registrar (A&E) –  | Convenor |

##### 10.5.2: Functions

To prepare the final list of the selected candidates based on the selection lists prepared by the departments and communicate it to the office of Dean (Academic)

10.6: Lists of items, which can be and cannot be purchased under contingency grant are detailed in **Annexure - XI**.

10.7: In case of any disagreement at any stage of the doctoral programme, the decision of the Senate is final.

National Institute of Technology Durgapur

Date \_\_\_\_\_

Application Form for Admission to PhD programme

(Category \_\_\_\_\_)

- A. Full-time Institute-sponsored research scholar with Institute Scholarship
- B. Full-time research scholar with financial support from Government/ Semi-Government organizations/ other organizations
- C. Full-time foreign research scholar admitted through Government of India
- D. Full-time research scholar under QIP/ EFIP scheme
- E. Full-time research scholar selected in externally sponsored projects in the Institute
- F. Full-time self-sponsored research scholar
- G. Part-time research scholar from the Institute Faculty/ Staff/ Project Staff
- H. Part-time sponsored research scholar
- I. Part-time self-sponsored research scholar
- J. Part-time Foreign research scholar from foreign institutions/organization
- K. Part-time Indian national research scholar from foreign institutions/organization

1. I have been selected for admission to the full-time Institute-sponsored PhD programme in category \_\_\_\_\_ in \_\_\_\_\_ (department) in the \_\_\_\_\_ (odd/even) semester \_\_\_\_\_ (academic session).

2. I have got my documents verified in the concerned department and submitted a set of copies of documents there. I do hereby submit a set of documents to the Academic Section as well.

3. I also submit herewith the original NOC/ release letter from my employer (delete if not applicable).

4. I shall receive the fellowship from NIT Durgapur / from the sponsor \_\_\_\_\_.(delete if not applicable).

5. I shall not claim any fund from the Institute (delete if not applicable).

6. I shall take the academic load as per Institute norms (delete if not applicable).

7. My Institute / organization has MoU with NIT Durgapur (delete if not applicable).

8. I shall abide by the rules and regulations and code of conduct of the Institute

\_\_\_\_\_ (name)

Roll No. \_\_\_\_\_

Department: \_\_\_\_\_

**Signature of the Applicant**

**Verified the documents and forwarded for admission**

**Head of the Department**

**Permitted / Not Permitted**

**Dean (Academic)**

**Department of \_\_\_\_\_**  
**National Institute of Technology Durgapur**

**Formation of Doctoral Scrutiny Committee (DSC)**

The DSC is hereby constituted for the doctoral study of the following candidate.

**Name:**

**Roll No.:**

**DSC**

SI No	Norm	Name	Dept./ Organization	Designation
1	Chairperson (DRPC)	Chairperson (DRPC) – ex-officio		Chairperson
2	Two faculty members of the department having Ph.D. degree [if not available, faculty member(s) from other department(s) with Ph.D. degree]	a.		Member
3		b.		Member
4	One faculty member of any other department of the Institute having Ph.D. degree	a.		Member
5	Concerned supervisor(s) for the research scholar	a.		Member
6		b.		Member
7		c.		Member

**Each of the supervisors is supervising less than 8 full time PhD research scholars presently.**

**Signature of the DSC Members**

**Signature of Chairperson, DSC**

*[Please attach the CV, consent letter and NOC of the employer from the supervisor, if s/he is not a faculty member of NIT Durgapur. NOC is not required if the supervisor belongs to an institution/organization having MoU with NIT Durgapur]*

**Dean (Academic)**

# National Institute of Technology, Durgapur

Mahatma Gandhi Avenue, Durgapur-713209, West Bengal, INDIA

**For Office use only**

- Category of Research Scholar: \_\_\_\_\_
- Roll No. \_\_\_\_\_
- Date of Admission: \_\_\_\_\_
- Registration No.: \_\_\_\_\_
- Date of Registration \_\_\_\_\_

**Dean (Academic)**

Passport size  
Photograph is to  
be pasted here

## **Registration Form for PhD Programme**

1. Department/Centre applied for: \_\_\_\_\_
2. Name of the Candidate: Mr./Mrs./Miss \_\_\_\_\_  
(Block Capital Letters)
3. Roll No. \_\_\_\_\_
4. Date of admission in PhD programme: \_\_\_\_\_
5. Father's Name: \_\_\_\_\_  
(Block Capital Letters)
6. Date of Birth: \_\_\_\_\_
7. Category of Research Scholar: \_\_\_\_\_
  - L. Full-time Institute-sponsored research scholar with Institute Scholarship
  - M. Full-time research scholar with financial support from Government/ Semi-Government organizations/ other organizations
  - N. Full-time foreign research scholar admitted through Government of India
  - O. Full-time research scholar under QIP/ EFIP scheme
  - P. Full-time research scholar selected in externally sponsored projects in the Institute
  - Q. Full-time self-sponsored research scholar
  - R. Part-time research scholar from the Institute Faculty/ Staff/ Project Staff
  - S. Part-time sponsored research scholar
  - T. Part-time self-sponsored research scholar
  - U. Part-time Foreign research scholar from foreign institutions/organization
  - V. Part-time Indian national research scholar from foreign institutions/organization
8. Gender: Male/Female/ Transgender
9. Marital Status: Married/Single
10. Category: SC/ST/OBC/OPEN; Physically Challenged: Yes / No
11. Nationality: \_\_\_\_\_
12. GATE/ NET (if any): Qualified (Yes/No): \_\_\_\_\_ Score: \_\_\_\_\_ Rank: \_\_\_\_\_  
Discipline: \_\_\_\_\_ Year: \_\_\_\_\_
13. Proposed Research Area [Two copies of the brief out line of proposed research work, countersigned by the proposed supervisor(s) are to be submitted along with this application]:  
\_\_\_\_\_  
\_\_\_\_\_

14. Previous research experience, if any:

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15. Publication, if any: \_\_\_\_\_

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16. Proposed Supervisor(s) & their affiliation [one Supervisor must be from the concerned department of NIT, Durgapur. For supervisor(s) from other organizations, his/her CV and willingness certificate and a no-objection certificate from his/her organization must be enclosed]

Name of the Supervisor(s)	Designation & Name of the Organization	Signature

17. Address for Communication: \_\_\_\_\_

18. Telephone/Mobile No. \_\_\_\_\_ E-Mail ID: \_\_\_\_\_

19. Academic Qualification: (Starting from Madhyamik or equivalent Examination)

Name of Exam. Passed	Name of the School/College/ Institute/University	Year of Passing	Discipline/ Specialization	Percentage of Marks/CGPA

(Enclose photocopies of certificates, mark sheets/ Grade cards etc.)

20. If employed, [Name of the employer, nature of work, total experience, copy of the no-objection certificate from the organizer must be enclosed]:

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I do hereby declare that the information furnished in this application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Halls attached to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat allotted to me any time in future & legal action be taken against me.

**Date:**  
**Durgapur**

**Full signature of the Applicant**

**Recommendation of Doctoral Scrutiny Committee (DSC) for registration for PhD programme**

1. The applicant has fulfilled all the conditions for registration to Ph.D Programme of the Institute: **Yes/No**
2. The Candidate may be considered for registration to the Ph.D Programme of the Department: **Yes/No/Any other comments**

**Signature of DSC Members**

**Signature of the Chairperson with Seal  
**Doctoral Scrutiny Committee (DSC)**  
**Name of the Department:** \_\_\_\_\_**

1.

2.

3.

4.

5.

6.

.....  
**(For Office use only)**

**National Institute of Technology: Durgapur**

**Deposit of Registration fee**

This is to certify that the application for the Registration of Ph.D. degree under the department of  
..... has been approved by  
the Senate.

**Name of the Candidate:** \_\_\_\_\_

**Roll no.:** \_\_\_\_\_

The Candidate can register his/her name with NIT, Durgapur for Ph.D. degree, subject to the payment of Registration fee of Rs. 2000 (Two thousand only), within one month from the date of this notification. The date when the candidate deposits the Ph.D. registration fee shall be treated as the date of registration. The Registration will remain valid for five years from the date of registration, subject to the fulfillment of all terms & conditions of the Ph.D. regulations approved by the Senate.

Date:  
Durgapur

**Dean (Academic)**

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**  
**MAHATMA GANDHI AVENUE, DURGAPUR-713209, INDIA**

**INSTITUTE SEMESTER REGISTRATION FORM**

\_\_\_\_\_ Semester \_\_\_\_\_ Programme, 20\_\_\_\_ 20\_\_\_\_\_

1. Date of Registration: \_\_\_\_\_
2. Name of the Student: \_\_\_\_\_
3. Registration No. : \_\_\_\_\_
4. Roll No.: \_\_\_\_\_
5. Department/ Branch: \_\_\_\_\_
6. Whether paid Institute Fees: Amount: Rs. \_\_\_\_\_ Date: \_\_\_\_\_  
 Mode of payment details: \_\_\_\_\_  
 (Attach self-attested copy of payment receipt)
7. Courses of study (including sessional courses) :

Sl. No.	Course Code	Name of the subject(s)
1.		
2.		
3.		

8. Progress made by the candidate so far (to be filled by the supervisor):

**Date:**

**Signature of the Student**

**Forwarded by**

**Signature of Supervisor**

**Signature of the Chairperson, DSC**

**Approved by**

**Deputy Registrar (Acad. & Exam.)**

**Dean (Academic)**



**COURSES TO BE TAKEN BY THE CANDIDATE DURING DOCTORAL STUDIES**

*(To be submitted within 7 days from the start of the semester)*

1. Department/Centre: \_\_\_\_\_

2. Name of the candidate: \_\_\_\_\_

3. Roll No. \_\_\_\_\_

4. Courses to be taken by the candidate with codes:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

5. Semester: **Odd / Even** (*please tick*) Academic Session \_\_\_\_\_

6. Name and Signature of members of the Board of Examiners:

DSC Members: (i) \_\_\_\_\_

(ii) \_\_\_\_\_

(iii) \_\_\_\_\_

(iv) \_\_\_\_\_

(v) \_\_\_\_\_

(vi) \_\_\_\_\_

(vii) \_\_\_\_\_

7. Signature of Chairperson of DSC:

8. Signature of the Head of the department if the course is offered by a department which it is different from the department registering the candidate:

**Associate Dean (A & E)**

**NATIONAL INSTITUTE OF TECHNOLOGY: DURGAPUR  
MAHATMA GANDHI AVENUE, DURGAPUR  
WEST BENGAL, INDIA**

**REPORT ON PRE-SYNOPSIS SEMINAR FOR SUBMISSION OF PhD THESIS**

1. Department/Centre: \_\_\_\_\_
2. Name of the candidate: \_\_\_\_\_
3. Roll No. \_\_\_\_\_
4. Registration No.: \_\_\_\_\_
5. Date of Registration: \_\_\_\_\_
6. Date of Pre-synopsis Seminar: \_\_\_\_\_
7. Title of the Thesis: \_\_\_\_\_  
\_\_\_\_\_
8. Number of Papers published / accepted for publication in journals (*enclose the first pages of the papers*):  
\_\_\_\_\_
9. Codes of the courses taken (*enclose copies of grade cards*):  
\_\_\_\_\_
10. Recommendation:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
11. Name and Signature of members of the Board of Examiners:  
DSC Members: (i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(iii) \_\_\_\_\_  
(iv) \_\_\_\_\_  
(v) \_\_\_\_\_  
(vi) \_\_\_\_\_  
(vii) \_\_\_\_\_
12. Signature of Chairperson of DSC with seal:

**Dean (Academic)**

**List of Examiners for PhD**

**Name of the candidate:**

**Department:**

**Registration No.:**

**Date of Registration:**

**Roll No.:**

**Title of the PhD thesis:**

**No. of papers published/accepted for publication in peer reviewed journals:**

**No. of papers published/accepted for publication in SCI/ SSCI/ AHCI / Scopus/ Web of Science journals:**

**Courses passed as per requirement of the PhD regulations: Yes / No**

**All necessary documents submitted to PG&R cell: Yes / No**

**Registration fee deposited: Yes / No**

**Name(s) of the supervisors:**

1.

2.

3.

None of the supervisors are presently supervising more than 8 full-time Ph.D. research scholars.

***[Signature of the supervisors]***

**Dean (Academic)**

Examiners from India and abroad may kindly be nominated by Director in order of preference from the attached list of examiners.

**Director**

**List of Examiners from India (Five)**

<b>Sl No</b>	<b>Contact Details</b>	<b>No. of times the examiner examined thesis supervised by the present supervisors earlier</b>
1	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
2	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
3	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
4	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
5.	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	

***[Signature of the supervisors]***

**List of Examiners from abroad (Five)**

<b>SI No</b>	<b>Contact Details</b>	<b>No. of times the examiner examined thesis supervised by the present supervisors earlier</b>
1	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
2	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
3	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
4	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	
5.	[Name] [Designation] [Affiliation] [Full Postal Address] [Mobile/phone no.] Email Id	

***[Signature of the supervisors]***

*[In official letterhead]*

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**  
PhD Thesis Evaluation Report

---

**Name of the Examiner:**

**Designation & address:** .....

.....

.....

**E-mail ID**.....

**Telephone/Fax**.....

**Name of the candidate:**

**Title of the Thesis:**

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**DETAILED REPORT OF THE THESIS (at least 500 words)**

*(Please assess the strength and weakness of the Ph.D. thesis in detail and indicate corrections/ clarification/ scope for improvement, if any, in a separate attachment)*

**Decision on the award of PhD degree**

**Recommended / Not recommended / To be revised and sent back to the examiner / To be revised but need not be sent back to the examiner**

**Signature of the Examiner with official Seal (if available)**

**Place:**

**Date:**



**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR  
MAHATMA GANDHI AVENUE, DURGAPUR-713209  
WEST BENGAL, INDIA**

**Annexure - IX**

**Report on Viva-Voce for PhD Degree**

1. Department/Centre: \_\_\_\_\_
2. Name of the candidate: \_\_\_\_\_
3. Registration No.: \_\_\_\_\_
4. Title of the Thesis: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Date of Viva-voce: \_\_\_\_\_
6. Number of Papers published / accepted for publication in peer-reviewed journals: \_\_\_\_\_
7. Whether the modification/ Correction (if any) as suggested by External Examiners have been incorporated and modified version of the thesis submitted.  
\_\_\_\_\_
8. Recommendation:  
(A) Performance (Please attach additional sheet, if required): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(B) Degree, if recommended to be awarded: (Yes/No): \_\_\_\_\_  
: Ph. D, Department of \_\_\_\_\_
9. Name and Signature of members of the Board of Viva-voce Examiners:  
(A) DSC Members: (i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(iii) \_\_\_\_\_  
(iv) \_\_\_\_\_  
(v) \_\_\_\_\_  
(vi) \_\_\_\_\_  
(vii) \_\_\_\_\_  
(B) External Examiner: \_\_\_\_\_
10. Signature of Chairperson of DSC with seal:

**Dean (Academic)**

**NATIONAL INSTITUTE OF TECHNOLOGY: DURGAPUR  
MAHATMA GANDHI AVENUE DURGAPUR  
WEST BENGAL, INDIA**

Annexure - X

**REPORT ON SEMINAR FOR ENHANCEMENT OF FELLOWSHIP FOR PhD DEGREE**

1. Department/Centre: \_\_\_\_\_
2. Name of the candidate: \_\_\_\_\_
3. Roll No. \_\_\_\_\_
4. Registration No.: \_\_\_\_\_
5. Title of the Thesis: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Date of Seminar: \_\_\_\_\_
7. Recommendation:  
Progress of the candidate is satisfactory / unsatisfactory (*please tick*) and the DSC recommends / does not recommend (*please tick*) an enhancement in fellowship from \_\_\_\_\_ to \_\_\_\_\_.
8. Name and Signature of members of the Board of Examiners:  
DSC Members:                   (i) \_\_\_\_\_  
   (ii) \_\_\_\_\_  
   (iii) \_\_\_\_\_  
   (iv) \_\_\_\_\_  
   (v) \_\_\_\_\_  
   (vi) \_\_\_\_\_  
  
(vii) \_\_\_\_\_
- External Member: \_\_\_\_\_
9. Signature of Chairperson of DSC with seal:

**Dean (Academic)**



**List of items, which can be and cannot be purchased under contingency grant**

**Contingency grant can be used for:**

- ✓ Acquisition of books and documents of relevance to the research topic provided these are not available in the library of the University/Institute.
- ✓ Chemical/consumable items required for the research work.
- ✓ Equipment required exclusively for research.
- ✓ Photographic materials for research or thesis work.
- ✓ Computation charges.
- ✓ Reprints/ Off- print of research papers.
- ✓ Stationery and postal charges
- ✓ Registration fee for attending conference in India and abroad.
- ✓ Any other purpose, specially authorized by CSIR.
- ✓ Contingency grant can be utilized for registration of Ph. D and submission of thesis.

**Contingency grant cannot be used for:**

- Foreign travel or other expenses for visit abroad.
- Stationery items such as: pen, pencils, folders, file covers, carbon papers etc. and furniture items.
- Tution fees