

# **INFORMATION BOOKLET**

**Ph.D. DEGREE ADMISSION**

**2020-21**

**APPLICATION COMMENCES FROM 16<sup>TH</sup> MARCH, 2020**



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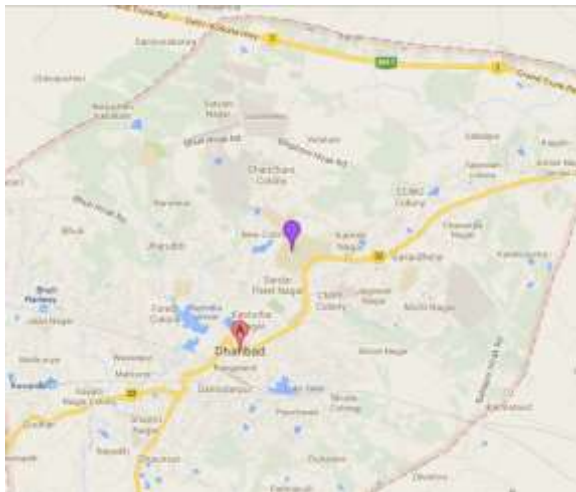
## 1. ABOUT IIT(ISM) DHANBAD

Indian Institute of Technology (Indian School of Mines) [IIT(ISM)], Dhanbad, previously known as ISM Dhanbad, is one of the prestigious institutes of the country, built on the pattern of the Royal School of Mines, England, United Kingdom (U.K.) in the year 1926. Today, it enjoys the status of an **Institute of National Importance**, fully funded by the Ministry of HRD, Govt of India (GOI) and was declared as IIT on 6<sup>th</sup> September 2016. IIT(ISM), while administering its programmes through various Departments and Centres of excellence, offers its services to several industries, especially in mining, mineral, petroleum, and metallurgy sectors. IIT(ISM) focuses its education on various engineering, science, and management disciplines. The institute offers B.Tech, M.Sc., M.Sc. Tech., M.Tech, MBA, M.Tech. Dual Degrees, Integrated M.Tech. programmes, besides awarding Ph.D. and D.Sc. in all disciplines. IIT(ISM), a Deemed to be University, since 1967, started its programmes initially by offering degrees specialized in different earth sciences and engineering disciplines.

The Institute that aims at excellence in teaching and research benefits both academia and industry through 18 departments in various areas of **Engineering**: Civil, Computer Science & Engineering, Chemical, Electrical, Electronics, Environmental Science & Engineering, Fuel, Mechanical, Mineral, Metallurgical, Mining, Mining Machinery, and Petroleum; **Science**: Physics, Chemistry, Mathematics & Computing, Applied Geology, Applied Geophysics, besides **Management and Humanities & Social Sciences**. It has been focusing its academic and research activities on various aspects of industries ever since its inception.

IIT(ISM) has maintained its all-India character, drawing faculty and students from all across the country. It occupies a unique position around the globe and has contributed to the development of the mining, mineral, and petroleum sector substantially. The institute possesses state-of-the-art facilities for advanced studies and research in all areas of Engineering, Sciences, Management, and Humanities & Social Sciences, situated within a campus spread over an area of 220 acres.

[Dhanbad](#)



[IIT\(ISM\) Dhanbad](#)



[IIT\(ISM\)](#) located in the city of [Dhanbad](#), which is also known for its Coal Mines. Hence referred to as the Coal Capital of India. One can reach Dhanbad by rail and road. It is 259 km from Kolkata, 167 km from Ranchi, 67 km from Bokaro Steel City, and about 180 km from Jamshedpur. Trains are available from all parts of the country to reach Dhanbad via Kolkata, Delhi, and Bombay. Ranchi, Kolkata and Durgapur are the nearest airports. Deluxe and Express buses ply from Kolkata, Ranchi, Jamshedpur, and Bokaro to Dhanbad. IIT(ISM) campus is just 2.5 km from Dhanbad railway station where taxis and rickshaws ply round the clock. People arriving by train should exit from the main gate located near the platform No.1 to avail the taxis/rickshaws for the local conveyance to the institute.

## 2. ABOUT Ph.D. ADMISSION 2020-21

IIT(ISM) Dhanbad provides Institute Assistantship (IA) to the deserving and eligible candidates qualified through the institute selection procedure and, thus, providing ample opportunities for carrying out research leading to the Ph.D. degree.

IA is open to the candidates who possess the minimum eligibility criteria given in section 3. The respective department will scrutinize the eligibility of the candidate at every stage. The applicants should submit the correct information during online registration and application. The application which has incorrect/insufficient information will be rejected at any stage of admission.

The total number of seats for the 2020-21 admission depends on the availability of funds and vacancy for the academic year 2020-21. The discipline-wise distribution of seats will be as per the requirement of respective departments. The reservation policy directed by the Government of India will be followed, and the number of positions to each category is fixed at the institute level and not for each discipline.

### 2.1 Important Dates

Table 1 gives the crucial dates for the Ph.D. admission 2020-21. Any change in date(s) will be notified through IIT(ISM)'s website. Candidates are requested to visit IIT(ISM) website frequently for any information regarding Ph.D. admission, including change of date if any.

**Table 1: Important dates**

Details	Date(s)
Commencement of online application	March 16, 2020
Last date for applying through online portal	April 15, 2020
Interview for shortlisted candidates*	May 14 and May 15, 2020.
Declaration of the merit list	May 17, 2020
Admission and joining of the merit listed candidates	July 24, 2020

\*Written examination may be conducted for shortlisting of candidates, if desired by the department.

### 2.2 Disciplines

This scheme is currently available to only those disciplines given in Table 2, with an emphasis on inter-disciplinary research. IIT(ISM) encourages registration for Ph.D. in the interdisciplinary areas, which may be offered to the successful candidates.

**Table 2: List of disciplines**

Sl. No.	Department	Discipline Name	Code
1	Applied Geology	Applied Geology	AGL
2	Applied Geophysics	Applied Geophysics	AGP
3	Chemical Engineering	Chemical Engineering	CHE
4	Chemistry	Chemistry	CHY
5	Computer Science & Engg.	Computer Science & Engg.	CSE
6	Civil Engineering	Civil Engineering	CVL
7	Electronics Engg.	Electronics Engg.	ECE
8	Electrical Engg.	Electrical Engg.	ELE
9	Humanities & Social Sciences	English Language/Literature	ENG

Sl. No.	Department	Discipline Name	Code
10	Environmental Science & Engg.	Environmental Science	ENS
11	Environmental Science & Engg.	Environmental Science & Engg.	ESE
12	Fuel, Mineral & Metallurgical Engg.	Fuel Engineering	FME
13	Management Studies	Industrial Engg. & Management	IEM
14	Management Studies	Management	MAN
15	Mathematics & Computing	Mathematics	MAT
16	Mechanical Engineering	Mechanical Engineering	MEC
17	Fuel, Mineral & Metallurgical Engg.	Mineral Engineering	MLE
18	Mining Machinery Engineering	Mining Machinery Engineering	MME
19	Mining Engineering	Mining Engineering	MNE
20	Petroleum Engineering	Petroleum Engineering	PET
21	Physics	Physics	PHY
22	Humanities & Social Sciences	Philosophy	PLY
23	Mathematics & Computing	Statistics	STA

### 2.3 Institute Assistance (IA)

The Institute may provide full-time Ph. D. students who have qualified GATE or any other eligible national level examination, financial assistance in the form of teaching or research assistantships (referred to as IA). The Ph.D students will be awarded the assistantships for a period of **five years** based on the performance every year. The assistantship is paid at the approved rates as specified by the MHRD, GOI, time to time. Full-time Ph.D. students, financially supported by research projects, may avail IA after completion of the project, provided that she/he has qualified GATE or any other eligible national level examination and have been admitted through the Institute selection process ([Section 3 of Ph.D. Manual](#)). The maximum duration of assistantship is five years (inclusive of Project and Institute funding) from the date of admission in the Ph.D. programme. Extension of assistantship shall not be given in any case, beyond five years.

A student should devote eight hours per week towards teaching/laboratory assistantship assigned to him/her. The renewal of assistantship is contingent on the good performance of the candidate in the academic programme and the discharge of assistantship duties.

A contingency grant of INR 30,000.00 per annum is allowed with prior approval from the Guide and Head of the Department and the contingency is cumulative in nature. The work performance of the research scholars would be assessed as per the Institute rules. The IA may be withdrawn/withheld/discontinued at any time if the performance is unsatisfactory.

The selected candidates will get IA, as given in [Table 3](#).

**Table 3: Institute assistance**

Sl. No.	Qualifying Degree	IA per month (INR)	
		First 2 years	3 <sup>rd</sup> , 4 <sup>th</sup> and 5 <sup>th</sup> year
1	M.Tech. / M.Phil. / MBA / B.Tech. / M.Sc. Tech / M.Sc.	31,000.00	35,000.00*

**\*Subject to satisfactory progress.**

### 2.4 Rules and Regulations

The details are given at IIT(ISM) website ([www.iitism.ac.in](http://www.iitism.ac.in)) hosted under 'Rules'. Selected candidates are required to adhere to the prescribed rules and regulations issued through various orders by the IIT(ISM)

authorities from time to time. Besides, all Ph.D students need to complete the Ph.D. course work, including two mandatory subjects, namely, Research Methodology & Statistics and Research & Technical Communication, as per the Ph.D. rules. Research scholars may avail admissible leave as per the [Section 7 of Ph.D. manual](#).

## 2.5 Programme Fee

The details of fees required at the time of **admission** for Ph.D. programmes are given in [Table 4](#). The fee should be paid online through SBI connect. The link for payment will be made available to the selected candidates before the admission. **Payment of fees will be accepted only in online mode (Netbanking/debit card, etc).**

**Table 4: Fee structure\***

Sl. No.	Particulars	Fee (INR)
1	Fee payable at the time of admission	32,470.00
2	Hostel mess fee per semester (Approx.)	18,000.00

**\*Subject to change**

Also, payment of an additional amount towards accident insurance etc., as per actual, at the time of admission is required. The fee structure is subject to change from time to time. The exact fee structure will be notified at the time of admission.

## 3. ADMISSION

### 3.1 General Information

Interested candidates may submit their application **online ONLY**, between **16.03.2020 to 15.04.2020**. The following information is also available from the institutional website at <https://www.iitism.ac.in/admissions.php>:

- Advertisement for Ph.D. degree admission 2020-21
- Information brochure: with details of the application and important dates
- Link for online registration and application
- Any other notifications *viz.* change in important dates, details of the interview, admission, results, etc.

The last date for submission of online application is **15.04.2020**. The hard copy of the application form or any other document is **NOT** required to be submitted at the time of application. It is the responsibility of the candidate to follow the instructions given in the Ph.D. admission brochure and on the website carefully before submitting an online application. Any mistake/wrong information provided during the online application, intentionally or unintentionally, will result in cancellation of the applicant's candidature. No further information/clarification will be intimated to the candidates in such cases. Extension of the deadline will **NOT** be allowed in any case.

### 3.2 Application Fee

The application fees for Ph.D. selection are given in [Table 5](#). The application fee is to be paid online only by the appropriate payment option given to the candidate while applying. The application fee will not be refunded under any circumstances. No communication will be entertained in this regard.

**Table 5: Application fee**

Sl. No.	Category	Fee (INR)
1	General/OBC/EWS	2,000.00
2	SC/ST/PC/Female candidate	1,000.00

### 3.3 Admission Procedure

**All candidates, wishing to be admitted to the Ph.D. programme in the Institute (irrespective of whether they opt for full-time, external, or part-time Ph.D. programmes), may apply through this online admission procedure. This admission procedure also applies to candidates holding positions in projects at the Institute for availing IA beyond the project tenure.** A candidate, who has qualified GATE/NET/Appropriate National Level Examination, is **ONLY ELIGIBLE** for Ph.D. admission in Engineering, Science and Humanities & Social Sciences. A candidate who has qualified CAT/GMAT is eligible for Ph.D. in Management. The admission procedure consists of (i) shortlisting and (ii) interview. The shortlisting may be done through a written examination (**scheduled on 14.05.2020**) conducted by the department (if desired), depending on the number of candidates. The interview of the shortlisted candidates will be conducted on **15.05.2020**. For Masters and/or Bachelors degree holders from IITs having a CGPA of 8.0 or above, the requirement of GATE/NET is waived off.

### 3.4 Eligibility Criteria for admission

For admission to Ph.D. programmes of different disciplines, an applicant possessing qualifications mentioned against the subjects mentioned below is eligible to apply:

Candidates in the final year of the qualifying degree may be considered for provisional admission, provided that they give an undertaking that the results will be made available to the Institute on or before the date of admission (**24.07.2020**). The provisional admission of such candidates will stand canceled if they fail to produce the result by the specified date or fail to obtain the required class/division or CGPA/% of marks.

#### 3.4.1 Essential criteria for Ph.D. in Engineering

- An applicant must have a Masters degree in Engineering in the relevant subject with first class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale),
- OR**
- An applicant must have a Bachelors degree in Engineering with a minimum of 70% marks/CGPA of 7.0 (on a 10 point scale),
- OR**
- An applicant must have a Masters's degree in Science or an allied area with first-class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale).

#### 3.4.2 Essential criteria for Ph.D. in Science

- An applicant must have a Masters degree in the relevant subject with first class/division or a minimum of 60 % marks/CGPA of 6.0 (on a 10-point scale),
- OR**
- An applicant must have a Bachelors degree in Engineering with a minimum of 70% marks/CGPA of 7.0 (on a 10 point scale),
- OR**
- An applicant must have a Masters's degree in Science or an allied area with first-class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale).

#### 3.4.3 Essential criteria for Ph.D. in Humanities and Social Sciences

- An applicant must have a Masters degree in the relevant subject, Arts, Commerce, Humanities and Social Sciences with first class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale),
- OR**
- An applicant must have a Masters degree in Engineering / Technology/Science/ Commerce / Management with first class/division or a minimum of 60 % marks/CGPA of 6.0 (on a 10 point scale),
- OR**

- An applicant must have a Bachelors's degree in Engineering with a minimum of 70% marks/CGPA of 7.0 (on a 10 point scale).

#### 3.4.4 Essential criteria for Ph.D. in Management

- An applicant must have a Masters degree or equivalent in Management or allied areas or Engineering / Technology with first class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale),  
**OR**
- An applicant with a Bachelors degree in Engineering with a minimum of 70% marks/7.0 CGPA,  
**OR**
- An applicant must have a Masters degree in Science/Arts/Commerce with first-class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale),  
**OR**
- An applicant who has qualified for CA/ICAI/ICMA/CS, with first-class/division or a minimum of 60% marks/CGPA of 6.0 (on a 10 point scale) in Bachelors's degree.

Note: Bachelor's degree in Engineering means regular fulltime Bachelors's degree. A candidate with AMIE or similar degree is not eligible for admission.

#### 3.4.5 Language proficiency

The medium of instruction, the publication of research paper, and reporting will be in English. Therefore, scholars are required to possess adequate knowledge of English.

#### 3.4.6 Age

Age limit for various categories as on **the last date of online application (15.04.2020)** are:

- ❖ For male candidate (General/EWS category) : 30 years
- ❖ For male candidates Other categories (OBC, PC, SC & ST) : 35 years
- ❖ For female candidates (All categories) : 35 years

Age relaxation, as above, will be allowed for candidates with valid documents. The original documents will be scrutinized before the interview, and, if found incorrect/insufficient, the candidature will be canceled.

#### 3.4.7 Special cases

- Colour blind candidates are not eligible for admission in Applied Geology, Mining Engineering and Petroleum Engineering disciplines.
- Physically challenged candidates with any form of the physical challenge will not be considered for Mining Engineering and Petroleum Engineering disciplines.

#### 3.4.8 Qualifying degree

- ❖ The disciplines for Ph.D. admission are given in [Table 2](#).
- ❖ The candidates' qualifying degree and subject should match with the discipline, degree, and specialization detailed in [Table 6](#).
- ❖ For all disciplines, applicants with B. Tech. degree from IITs with minimum CGPA/OGPA 8.0, are eligible to apply. The concerned department will shortlist such undergraduate candidates for interview by conducting a written test (depending on the number of candidates applied for the research position), if necessary.
- ❖ Candidates appearing for their final semester exams are **ELIGIBLE** to apply under Result Awaiting (RA) category.



**Table 6: Qualifying degree for different programs**

Sl	Department	Discipline	Code	Eligibility qualifications#
1	Applied Geology	Applied Geology	AGL	M.Sc./M.Sc. Tech in Geology / Applied Geology or M.Sc./M.Sc. Tech. in Geology/Applied Geology with specialisation in Marine Geology / Oceanography / Hydrogeology / Geochemistry/ Applied Geochemistry / Environmental Science / Geoinformatics / Natural Hazards & Disaster Risk Management / Remote Sensing and GIS / Geophysics / Petroleum Geosciences. <b>OR</b> Integrated M.Sc.Tech/M.Tech. in Geology/Applied Geology or M. Tech. in Geological Technology. <b>OR</b> M.Tech in Mineral Exploration/Engineering Geology/Petroleum Exploration/Geo-exploration/ Exploration Geosciences / Remote Sensing / Remote Sensing and GIS applications / Geoinformatics/ Petroleum Geosciences/ Marine Geosciences having M.Sc./M.Sc. Tech in Geology/Applied Geology or Integrated M.Sc. Tech./ M.Tech. in Geology/Applied Geology or M. Tech. in Geological Technology. <b>OR</b> B. Tech/M. Tech in Mining Engg/Mineral Engg./Civil Engg.
2	Applied Geophysics	Applied Geophysics	AGP	M.Sc/M.Sc. Tech/Integrated M.Sc/Integrated M. Sc. Tech./M. Tech. in Applied Geophysics/ Exploration Geophysics/ Geophysics or M.Sc. Tech in Marine Geophysics or M.Tech in Geophysical Technology or M. Tech (Petroleum Exploration) or M.Tech (Earthquake Disaster, Hazards and Mitigation(EHM)).
3	Chemical Engg	Chemical Engg	CHE	M.Tech or equivalent in Chemical Engineering or its related discipline <b>WITH B</b> Tech/B.E in Chemical Engineering.
4	Chemistry	Chemistry	CHY	M.Tech. / M.Phil. / M.Sc. or equivalent in Chemistry / Applied Chemistry / Industrial Chemistry.
5	Computer Science & Engg.	Computer Science & Engg.	CSE	M.Tech or equivalent in Computer Science & Engg. / Information Technology / Computer Application / Software Engineering / Electronics Engg. / Electronics and Communication Engg. / Electrical Engg. <b>WITH B</b> . Tech. or equivalent in Computer Science & Engg. / Information Technology / Electronics Engg. / Electronics and Communication Engg. / Electrical Engg.
6	Civil Engg.	Civil Engg.	CVL	M.Tech. / M.E. in Civil Engg. with B.Tech. / B.E. in Civil Engg./ Env. Engg. having specialization in their M.Tech./M.E. as Structural/ Geotechnical/ Water Resources/ Environmental/ Transportation Engg/ Remote Sensing & GIS/Env. Sci. & Engg.
7	Electronics Engg.	Electronics Engg.	ECE	M. Tech. / M.E. / MS in Electronics/Electronics & Communication/ Electronics & Tele-communication/ Electronics & Instrumentation/ Instrumentation/ Electronics & Electrical Engineering/ Computer Science Engg/ Information Technology or related field <b>WITH B</b> . Tech./B.E. or equivalent degree in Electronics / Electronics & Communication /Electronics & Tele-communication/ Electronics & Instrumentation/ Instrumentation/ Electronics & Electrical Engineering/ Computer Science Engg/ Information Technology
8	Electrical Engg.	Electrical Engg.	ELE	M.Tech. or equivalent in Electrical Engg. / Control System Engg. / Power System Engg. / Electrical Machines / Power Electronics and Drives / High Voltage Engg. / Instrumentation Engg. / Power Apparatus & Devices / Electronics <b>WITH B</b> .Tech or equivalent in Electrical/Electrical & Electronics Engg.
9	Humanities & Social Sciences	English Language/ Literature	ENG	M.A. / M.Sc. / M.Litt. / M.Phil. or equivalent in English Language & Literature / Applied Linguistics & Language Teaching / English Language Teaching.

10	Environmental Science & Engg.	Environmental Science	ENS	M.Phil. / M.Sc. / M.Sc. Tech. or equivalent in Atmospheric science/ Botany / Microbiology / Biotechnology / Chemistry / Physics / Environmental Science / Environmental Science & Management / Geology / Hydrology / Soil Science / Remote sensing and GIS / Forestry.
11	Environmental Science & Engg.	Environmental Science & Engg.	ESE	M.Tech. / M.E. or equivalent in Environmental Science & Engineering / Biotechnology / Civil / Chemical / Water Resource Engg / Mining / Atmospheric Science.
12	Fuel, Mineral & Metallurgical Engg.	Fuel Engineering	FME	M.Tech. or equivalent in Mineral / Fuel / Chemical / Environmental/Ceramic/ Energy/Metallurgical/Mining Engg or its related discipline with B.Tech or equivalent in Mineral / Chemical / Environmental/ Ceramic/Energy/Metallurgical/Mining Engg or its related discipline.
13	Management Studies	Industrial Engg. & Management	IEM	Postgraduate Degree in Industrial Engg. and Management / Industrial Engg. / Production Engineering / Mechanical Engg/Electrical Engg/Civil Engg or equivalent.
14	Management Studies	Management	MAN	MBA Degree / Postgraduate Degree or Diploma recognized as equivalent to Postgraduate in Management by AICTE / UGC / AIU / Postgraduate Degree in Economics / Commerce / Psychology / Professional qualifications like CA / CS / ICWA / Postgraduate Degree in Industrial Engg. and Management / Industrial Management / Industrial Engg. / Production Engg.
15	Mathematics & Computing	Mathematics	MAT	M.Phil/ M. Tech. / M.Sc. or equivalent in Mathematics/ Applied Mathematics/ Mathematics & Computing.
16	Mechanical Engg.	Mechanical Engineering	MEC	M. E. / M. Tech degree with specialization in Mechanical / Production / Manufacturing / Industrial Production / CAD-CAM / Machine Design / Mechatronics / Thermal / Heat Power / Energy / Power Plant / Automobile / Maintenance Engg. & Tribology <b>WITH</b> B. E. / B.Tech. or equivalent degree in Mechanical / Production / Manufacturing / Aerospace / Energy Engineering.
17	Fuel, Mineral & Metallurgical Engg.	Mineral Engineering	MLE	M.Tech. or equivalent in Mineral / Fuel / Chemical / Environmental/ Energy/ Metallurgical/Mining Engg or its related discipline with B.Tech or equivalent in Mineral / Chemical / Environmental/ Energy/ Metallurgical/ Mining Engg or its related discipline.
18	Mining Machinery Engg.	Mining Machinery Engineering	MME*	M.Tech/ME/MSc Engg. in Mining Machinery Engg./Mechanical Engg/ Mining Engg./ Maintenance Engg & Tribology/ Machine Design/ CAD-CAM/ Material Science/Automobile Engg./ Applied Mechanics/ Electrical Engg./Mine Electrical Engg/ Power Electronics/ Power System Engg./ Electrical Machines/ Instrumentation with BE/ B.Tech/ B.Sc Engg. in Mining Machinery Engg./ Mechanical Engg./ Electrical Engg./Mining Engg; <b>OR</b> BE/ B.Tech/ B.Sc Engg in Mining Machinery Engg./ Mechanical Engg./ Electrical Engg./ Mining Engg.
19	Mining Engg.	Mining Engineering	MNE	M.Tech. or equivalent in Mining Engg. / Opencast Mining / Mine Planning & Design / Rock Excavation Engg. / Geomatics / Underground Space Technology / Rock Mechanics/Civil Engg. / Engineering Geology; <b>OR</b> B.Tech or equivalent in Mining Engg. / Civil Engg. / Opencast Mining/Mining Machinery/Environmental Engg; M.Sc. Tech. (Applied Geology); M.Sc. (Geospatial Science).
20	Petroleum Engg.	Petroleum Engineering	PET	M. Tech. in Petroleum, Chemical, Petroleum & Petrochemical, Mechanical, Civil, Computer Science & Engineering and M.Sc. in Chemistry, Mathematics, Geology and Geophysics and B. Tech. in Petroleum Engineering\$

21	Physics	Physics	PHY	M.Sc./Integrated M.Sc./M.Phil or equivalent in Physics/Applied Physics or B.Tech./M.Tech./Integrated M.Tech. or equivalent in Engineering Physics/Material Science/Nanoscience and Technology/Optoelectronics or equivalent.
22	Humanities & Social Sciences	Philosophy	PLY	M.A. / M.Sc. / M.Com / MBA or equivalent degree or Master's in Engg. / Technology or equivalent degree or M.A. / M.Phil. in Philosophy or equivalent.
23	Mathematics & Computing	Statistics	STA	M.Phil/M.Sc. or equivalent in Statistics/Applied Statistics/Bio-Statistics.

*# Equivalence degrees for B.Tech will be BE/BSc Engg. (4 years) and for M.Tech will be ME/M.Sc. Engg.*

*\* Applicants from MEC/ELE can opt for MME for interdisciplinary research at the time of interview.*

*\$ An OGPA should be  $\geq 8.0$  is required for applicants having B. Tech. Petroleum Engg from institutes other than IITs.*

### 3.5 Reservation Policy

**Table 7: Categories**

Sl. No.	Code	Category
1.	GE	General
2.	PC	Physically Challenged
3.	OBC	Other Backward Class - Non-Creamy Layer
4.	SC	Scheduled Caste
5.	ST	Scheduled Tribe
6.	EWS	Economically Weaker Section (General)

- Reservation for EWS/PC/OBC/SC/ST candidates will be as per GOI directive/guidelines.
- There shall be a horizontal reservation of 5% of the sanctioned strength, across all categories, for applicants belonging to persons with disabilities (PwD).
- For Other Backward Class - Non-Creamy Layer (OBC) candidates:
  - 1) Certificate, preferably in the format given in the [Annexure I](#) (as per the admission to Central Educational Institutions (CEIS), under the GOI).
  - 2) Certificate issued for admission/position to state governments will not be considered.
  - 3) The certificate should be issued **on or after 24<sup>th</sup> July 2019**.
  - 4) The original certificate should be produced at the time of the interview and admission.
  - 5) Candidates **NOT** having valid OBC - Non-Creamy Layer certificate will not be considered for Interview.
- Candidates selected for interview should submit appropriate self-attested PC/OBC/SC/ST/EWS category documents in support of their claim along with a hard copy of their application or registration form at the time of the interview. Application forms without self-attested supporting documents will not be considered.

### 3.6 Medical Fitness

A candidate selected for the Ph.D. programme will be offered admission, only if she/he is found fit as per the norms and standards of medical fitness set by IIT(ISM). An overview of the standards of medical fitness set by IIT(ISM) is presented below.

#### 3.6.1 General requirements

The selected candidates shall submit the medical certificate in the prescribed proforma (as per [Annexure II](#)) at the time of admission. However, candidates may be further examined by a medical board set by IIT(ISM) before the admission, whose decision for medical fitness will be final. A candidate should have good general physique with:

- Chest measurement: Not less than 70 cms with a satisfactory limit of expansion and contraction.

- Vision: Should be normal. In the case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye.
- Hearing: Should be normal. A defective hearing should be corrected.
- Heart & Lungs: Should not have any abnormality and
- No history of mental diseases or epileptic fits.

Besides the above, some special restrictions apply for the following disciplines:

- Colour blind candidates are not eligible for admission in (i) Applied Geology, (ii) Mining Engineering and (iii) Petroleum Engineering disciplines (See Section 3.4.7).
- Physically challenged candidates with any form of physical disability is not considered for (i) Mining Engineering and (ii) Petroleum Engineering disciplines (See Section 3.4.7).

## 3.7 Application Procedure

### 3.7.1 Registration and online application

Interested candidates should register their name using valid email id and phone number and submit their application online from **16.03.2020 to 15.04.2020**. Details on the application along with information brochure containing eligibility criteria can be downloaded from the IIT(ISM) website <https://www.iitism.ac.in/admissions.php> from **16.03.2020** onwards. Application fee of Rs. **2000/-** (Rs. **1000/-** for SC/ST/PC/Female candidates) for the Ph.D. selection is to be paid online, by the available mode of payment supported. The candidates will be guided through the application process during registration and online application. It is advised to read the on-screen instructions very carefully while filling online application. The candidates are advised to take utmost care while filling and **NOT** to give any false information or conceal any information. If the claim by the candidate is found **WRONG** at any stage of the Ph.D. selection process, their candidature stands canceled, and no communication will be made in this regard. Candidates will be responsible for any mistake that occurred during the filling and consequent submission of online application. For any other queries, please feel free to contact the Ph.D. Admission office through [jrf@iitism.ac.in](mailto:jrf@iitism.ac.in).

### 3.7.2 Submission of hard copy of application form

Hardcopy of the completed application is **NOT** required to be submitted. However, candidates should submit the hardcopy of the application form along with self-attested testimonials at the time of the interview.

### 3.7.3 Selection process

The selection depends on the number of vacancies and performance of the candidate. The department may adopt a screening test (if required) and interview for the selection of Ph.D. student. The list of short-listed candidates for the interview will be displayed in the notice board of the respective department or IIT(ISM) website on the same date of examination. The medium of examination will be English. The syllabus for the screening test is given in the link: <https://www.iitism.ac.in/admissions.php>.

**The selection committee of the respective department approved by the competent authority will interview the shortlisted candidates, and marks will be awarded based on the performance of the candidate in the INTERVIEW ONLY. The merit list will be prepared from the above list by applying the reservation policy (as mentioned in Section 3.5).**

### 3.7.4 Interview procedure

All candidates shortlisted for the interview have to appear for personal interview on the scheduled date (**14.05.2020 and 15.05.2020**) at IIT(ISM), Dhanbad. No separate communication will be sent to these

candidates. The short-listed candidates are required to bring all the necessary documents, especially the following while coming for the interview:

- a. A print out of your **REGISTRATION SLIP duly self attested** (downloaded online application form).
- b. One self-attested copy of all the supporting documents.
- c. All necessary documents **IN ORIGINAL** in support of their claim as given in the application form, especially the ones mentioned below:
  - i. Age proof.
  - ii. Educational qualifications.
  - iii. Eligibility of qualifying examination.
  - iv. Proof of **FIRST CLASS**/the minimum prescribed percentage or grade point average as stipulated in **Section 3.4**.
  - v. Proof for category [EWS/OBC/SC/ST/PC].
  - vi. Valid OBC certificate by the competent authority in the format as per the Central Educational Institutions (CEIs) under GOI given in Annexure I of Information Brochure for Ph.D. Admission 2020-21, issued on or after **24<sup>th</sup> July, 2019**.
  - vii. For PC candidates, proof of the same along with certificate of their respective category.
  - viii. GATE certificate
  - ix. NET certificate for NET candidates.

Only the short-listed candidates will be interviewed if they are eligible after the verification of their original documents. Those who do not possess required documents during scrutiny will not be interviewed, and their candidature stands canceled. No further communication will be sent to the candidate. No TA/DA will be provided for the candidates appearing for the interview. Candidates have to make their own arrangements to attend the interview in the scheduled date and time. Additional instructions, if any, will be published in the institute website (<https://www.iitism.ac.in/admissions.php>.) and candidates are requested to visit the link, as and when required.

### 3.7.5 Final admission

All admissions to the Ph.D. programme will be made from the consolidated merit list on the approval of the Chairman, Senate on the recommendations of the Departmental Post Graduate Committee (DPGC) and the Admission Committee. On approval by the Chairman, Senate, the Academic Section will issue the admission letters to the candidates who will be required to accept the offer of admission by depositing the prescribed fee on or before the specified date.

In case, a candidate does not accept the offer by paying the prescribed fee by the specified date, the offer of admission will stand withdrawn, and the admission may be offered to the candidates in the waiting list, if any, in order of merit.

The offer of admission may also stand withdrawn if the candidate, who has accepted the offer, fails to register by the date for late registration.

All such provisionally selected candidates will be invited to take admission on a scheduled date (**24.07.2020**) at the time and venue mentioned in the offer letter. The original documents will be scrutinized again before admission. Selected candidates are required to bring all the **ORIGINAL** documents, including the final grade sheet, while coming for admission on the said date. No extension will be given under any circumstances.

All research scholars will be governed by the IIT(ISM)'s Ph. D. Manual prevailing at that time.

## 4. DISCLAIMER

The website mentioned in this document has been launched to provide the candidates and public-at-large, information about the IIT(ISM) Ph. D. Admission. If you do not agree to the terms and conditions below, kindly do not access this site or any pages thereof.

## **4.1 Terms and Conditions**

### **4.1.1 No warranty**

The information and materials contained in the site, including text, graphics, links or other items - are provided on an "As Is" and "As Available" basis. Although Ph.D. Admission Committee which organizes and conducts the examination, interview, and admission to the Ph.D. programme tries to provide information accurately, it disclaims liability for errors or omissions in this information and materials. No warranty of any kind, implied, expressed or statutory, including but not limited to the warranty of fitness for a particular purpose and freedom from computer virus, is given in conjunction with the information and materials.

### **4.1.2 Limitation of liability**

In no event, IIT(ISM) will be liable for any damages, including without limitation, direct or indirect, special, incidental, or consequential damages, losses, or expenses arising in connection with this site or use thereof or inability to use by any person, or in connection with any failure of performance, error, omission, interruption, defect, delay of operation or transmission, computer virus or line or system failure, even if IIT(ISM), or representative thereof, are advised of the possibility of such damages, losses or expenses.

### **4.1.3 Network services**

The Ph.D. Admission committee cannot be held responsible for reduced access speeds due to bandwidth overloads, especially close to the application submission date.

## **5. JURISDICTION**

In case any claim or dispute arises in respect of Ph.D. Admission, it is now made clear that the Courts in Dhanbad and Dhanbad alone shall have the exclusive jurisdiction to entertain and settle any such dispute or claim.



**ANNEXURE-I**

**Certificate for Other Backward Classes (non-creamy layer) [OBC-NC]  
APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs),  
UNDER THE GOVERNMENT OF INDIA**

This is to certify that Shri/Smt./Kum. \_\_\_\_\_ Son/Daughter of  
Shri/Smt. \_\_\_\_\_ of Village/Town \_\_\_\_\_ District/Division  
\_\_\_\_\_ in the \_\_\_\_\_ State belongs to the \_\_\_\_\_

Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution No. 12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

Shri/Smt./Kum. \_\_\_\_\_ and/or her/his family ordinarily reside(s) in the  
\_\_\_\_\_ District/Division of \_\_\_\_\_ State. This is also to certify that  
she/he does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government  
of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide  
OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004.

Place:

Dated:

District Magistrate/  
Deputy Commissioner, etc.  
(with Seal)

**NOTE:**

- a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- b) The authorities competent to issue Caste Certificates are indicated below:
  - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
  - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate/ Presidency Magistrate.
  - (iii) Revenue Officer not below the rank of Tehsildar and
  - (iv) Sub-Divisional Officer of the area where the candidate and / or her/his family resides.

**Medical Fitness Certificate**

FOR ADMISSION IN IIT(ISM) DHANBAD

**(To be provided by a CMO of a Government Hospital)**

I, Dr \_\_\_\_\_ after examining (with necessary investigations)  
 Mr./Ms. \_\_\_\_\_ Son/Daughter of \_\_\_\_\_ Mr./Mrs  
 \_\_\_\_\_ Born on \_\_\_\_\_, certify that Mr./Ms  
 \_\_\_\_\_ has fairly sound constitution, and that she/he has no disease or  
 physical or mental infirmity unfitting her/him now, or likely to unfit her/him in future, for active  
 outdoor work as practical Research Scholar/Engineer/Technologist which involves considerable  
 fatigue and exposure.

The following are the results of tests, measurements, etc.:-

1. Mark of identification : \_\_\_\_\_
2. Weight : \_\_\_\_\_
3. Height (in cm) : \_\_\_\_\_
4. Blood pressure : \_\_\_\_\_
5. Pulse rate (beats/min) : \_\_\_\_\_
6. Blood group : \_\_\_\_\_
7. Abuse of substances (if any) : Smoking / Alcohol / Drugs / Any other
8. Chest measurements : Contracted: \_\_\_\_\_ cm Expanded: \_\_\_\_\_ cm
9. Vision: Right Eye: Near: Distant:  
Left Eye: Near: Distant:
10. Colour blindness, congenital or other disease of eye (if any):
11. Hearing: Right ear: GOOD / FAIR / POOR  
Left ear: GOOD / FAIR / POOR
12. X-ray PA view of the chest with proper identification mark: Satisfactory / Not satisfactory  
If not satisfactory, then specify why:



## 13. Pathological report of the following tests:

Test	Result	Comment (if any)
HB	Satisfactory / Not satisfactory	
TC	Satisfactory / Not satisfactory	
DC	Satisfactory / Not satisfactory	
ESR	Satisfactory / Not satisfactory	
HBS Ag	Satisfactory / Not satisfactory	
Routine examination of urine	Satisfactory / Not satisfactory	
HIV – I & II	Satisfactory / Not satisfactory	

## 14. Current Vaccination Status (All candidates who do not have adequate active/passive immunity against diseases mentioned below should take these injections/adult booster dose as recommended, before joining IIT(ISM) and the date to be mentioned below).

VACCINATION AGAINST DISEASES	First Injection		Last Booster	
	Date	Yes/No	Date	Yes/No
BCG				
Diphtheria-Tetanus-Poliomyelitis				
Measles, Mumps, Rubella				
Hepatitis B				
Hepatitis A				
Meningitis				
Typhoid				
Chickenpox				

## 15. Other abnormality noticed if any:

## 16. Remarks / Special Recommendations, if any:

**Conclusion:** Certified that the student as mentioned above is free of any communicable disease and fit to stay in hostels provided by IIT(ISM) and attend classes with co-students

Date :

Place :

(Signature and Seal)

**Declaration by the candidate:** I declare that all the statements made above are true and correct to the best of my knowledge and belief. I fully understand that I am responsible for the accuracy of all the statements given.

Candidate's Name: \_\_\_\_\_

Candidate's Signature with date: \_\_\_\_\_