



# **NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR JAMSHEDPUR-831014, JHARKHAND**

(An Institution of National Importance under MHRD, Government of India)

## **Admission to Full-Time/Part-Time Ph.D. Programme for Autumn Semester 2014-15**

### **INFORMATION BROCHURE**

#### **1. ABOUT THE INSTITUTE**

National Institute of Technology Jamshedpur is one of the National Importance Institutions for Technical Education in India. This was formerly known as Regional Institute of Technology Jamshedpur. National Institute of Technology (NIT) Jamshedpur is an Institution of National Importance set up by an Act of Parliament (Act 29 of 2007) namely, the National Institutes of Technology Act, 2007, which received the assent of the President of India on the 5<sup>th</sup> June, 2007. The provision of the Act has come into force with effect from 15<sup>th</sup> August, 2007 as per Notification S.O.1384 (E) dated 9<sup>th</sup> August, 2007 of the MHRD (Department of Higher Education), New Delhi. As per the provision of the said Act, this Institution runs on non profitable basis. NIT Jamshedpur offers academic programmes: B. Tech. (Hons.), M. Tech., MCA and Ph.D. in the various disciplines. NIT Jamshedpur has well qualified faculty and dedicated supporting staff.

#### **2. Admission to Full-Time/Part-Time Ph.D. Programme for Autumn Semester 2014-15**

##### **2.1 Name of the Department offering the Ph.D. Programme**

<b>Sl. No.</b>	<b>Name of the Department</b>
1.	Civil Engineering
2.	Computer Applications
3.	Electrical and Electronics Engineering
4.	Electronics and Communication Engineering
5.	Manufacturing Engineering
6.	Mechanical Engineering
7.	Metallurgical and Materials Engineering
8.	Physics
9.	Chemistry
10.	Mathematics
11.	Humanities, Social Sciences and Management

##### **2.2 Categories under which the Ph.D. Programmes offered**

###### **1. Full-Time Research Scholar (FRS)**

- Student under this category is entitled to fellowship (financial support) from the Institute as per the MHRD norms

###### **2. Part-Time Research Scholar (PRS)**

- Student under this category is not entitled to any fellowship (financial support) from the Institute

- This category is open to:
  - the people working in National research laboratories / R&D organizations having MOU with NIT Jamshedpur
  - the people working in PSU's / Industries having MOU with NIT Jamshedpur
  - the Institute Faculty at NIT Jamshedpur on regular or contract basis

### 3. Department wise Ph.D. Programme (Full-Time/Part-Time)

#### 3.1 Civil Engineering

<p><b>Research areas:</b></p> <p>Structural Engineering, Concrete Technology, Soil-structure Interaction, Earthquake Engineering, Geotechnical Engineering, Buckling, Vibration and Stability of Composite Plate/Shell, Stability Analysis, Foundation Engineering, Ground Improvement, River Bank Filtration, Reinforced Earth, Environmental Geo-technique, Transportation Engineering, Water Resources Engineering, Open Channel Hydraulics, Water Resource Management, Surface Water Hydrology, Ground Water Hydrology, MIKE 11, MIKE BASIN, HEC-RAS, and HEC-HMS Software Application based river basin modelling, Water Resource System Analysis, Flood Routing and Flood Forecasting, Ungauged Catchment Studies, Environmental Engineering; Climate Change Impact Assessment / Modelling, Remote Sensing and GIS Applications.</p>
<p><b>Qualifications and Eligibility Criteria:</b></p> <ul style="list-style-type: none"> <li>• <b>For Full-time Research Scholar (FRS)</b> <p>Bachelor's/Master's Degree in Civil Engineering or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)</p> </li> <li>• <b>Only those candidates will be considered for Ph.D. programme</b> <ul style="list-style-type: none"> <li>➤ whose admission to M.Tech /M.S/ME Programme was through GATE</li> <li style="text-align: center;">(OR)</li> <li>➤ who holds M.Tech/ME Degree and a valid GATE score (i.e., those qualified in GATE 2013 or 2014)</li> <li style="text-align: center;">(OR)</li> <li>➤ who holds B.Tech Degree in appropriate discipline with a valid GATE score (i.e., those qualified in GATE 2013 or 2014)</li> </ul> </li> </ul>

#### 3.2 Computer Applications

<p><b>Research Areas:</b></p> <p>Supply Chain Management, Data Mining, Computational Complexity, Software Engineering</p>
<p><b>Qualifications and Eligibility Criteria:</b></p> <ul style="list-style-type: none"> <li>• <b>For Full-time Research Scholar (FRS)</b> <p>MCA / M.Tech Degree in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)</p> </li> <li>• <b>Only those candidates will be considered for Ph.D. programme</b></li> </ul>

- whose admission to MCA Programme was through NIMCET
- (OR)
- whose admission to M. Tech/ME Programme was through GATE
- (OR)
- who holds M.Tech Degree in appropriate discipline with a valid GATE score (i.e., those qualified in GATE 2013 or 2014)

### 3.3 Electrical and Electronics Engineering

#### Research areas:

Instrumentation and Control, Control Systems, Power Systems, AC Drives, Power Electronics, Power System and Protection, Renewable Energy Systems, Electrical Machines and Drives.

#### Qualifications and Eligibility Criteria:

- **For Full-time Research Scholar (FRS)**

Bachelor's / Master's Degree in Electrical and Electronics Engineering/ Electronics and Communication Engineering / Instrumentation or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**

- whose admission to M.Tech /M.S/ME Programmes was through GATE

(OR)

- who holds M.Tech/ME Degree and a valid GATE score (i.e., those qualified in GATE 2013 or 2014)

(OR)

- who holds B.Tech Degree in appropriate discipline with a valid GATE score (i.e., those qualified in GATE 2013 or 2014)

### 3.4 Electronics and Communication Engineering

#### Research areas:

Industrial Control Systems, Non-conventional Power Generation, Instrumentation and Control Systems, VLSI and Embedded systems, Communication Systems

#### Qualifications and Eligibility Criteria:

- **For Full-time Research Scholar (FRS)**

Bachelor's/Master's Degree in Electronics and Communication Engineering / Electrical and Electronics Engineering / Computer Science and Engineering or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**

- whose admission to M. Tech /M.S/ME Programme was through GATE

(OR)

- who holds M.Tech/ME Degree and a valid GATE score (i.e., those qualified in GATE 2013 or 2014)

(OR)

- who holds B.Tech Degree in appropriate discipline with a valid GATE Score (i.e., those qualified in GATE 2013 or 2014)

### 3.5 Manufacturing Engineering

#### Research areas:

Manufacturing Processes, Manufacturing Management, Product Design and Development, CAD/CAM, Rapid Prototype and Reverse Engineering, Industrial Engineering and Management, Manufacturing Systems Engineering, Lean Manufacturing, Toyota Production System, Sustainable Manufacturing, Energy Management.

#### Qualifications and Eligibility Criteria:

- **For Full-time Research Scholar (FRS)**

Bachelor's / Master's Degree in Manufacturing/ Mechanical / Production Engineering or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**

- whose admission to M. Tech /MS/ME Programme was through GATE

(OR)

- who holds M.Tech/ME Degree and a valid GATE score (i.e., those qualified in GATE 2013 or 2014)

(OR)

- who holds B.Tech Degree in appropriate discipline with a valid GATE Score (i.e., those qualified in GATE 2013 or 2014)

### 3.6 Mechanical Engineering

#### Research areas:

Solar Energy, I.C Engines, Gas Turbines, Power Plants, Combined Cycle, Energy Systems, Heat & Mass Transfer, Mechanism, CFD, Integrated Energy Systems, Fluid Flow, Thermal Engineering, Renewable Energy, Machine Design, CAD /CAM, Value Engineering, TPM and TQM, Refrigeration and Air- Conditioning, Vibration, Composite Materials, Process Integration, Pinch Technology.

#### Qualifications and Eligibility Criteria:

- **For Full-time Research Scholar (FRS)**

Bachelor's/ Master's Degree in Mechanical / Production/ Manufacturing/ Energy Engineering or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**
  - whose admission to M. Tech /M.S/ME Programme was through GATE
  - (OR)
  - who holds M.Tech/ME Degree and a valid GATE score (i.e., those qualified in GATE 2013 or 2014)
  - (OR)
  - who holds B.Tech Degree in appropriate discipline with a valid GATE Score (i.e., those qualified in GATE 2013 or 2014)

### 3.7 Metallurgical and Materials Engineering

#### Research areas:

Process Metallurgy, Corrosion Engineering, Phase Transformation, Structure–Property Relationship, Physical Metallurgy, Iron and Steel making, Extractive Metallurgy, Mechanical Metallurgy, Fatigue, Fracture and Failure Analysis, Geology, Mineral Beneficiation, Bio-hydro Metallurgy, Bio-technology, Metallic Gas, Nanotechnology, Hydro Metallurgy.

#### Qualifications and Eligibility Criteria:

- **For Full-time Research Scholar (FRS)**  
Bachelor's / Master's Degree in Metallurgical and Materials / Mechanical / Production / Mineral / Materials Engineering or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)
- **Only those candidates will be considered for Ph.D. Programme**
  - whose admission to M. Tech /M.S/ME Programme was through GATE
  - (OR)
  - who holds M.Tech/ME Degree and a valid GATE score (i.e., those qualified in GATE 2013 or 2014)
  - (OR)
  - who holds B.Tech Degree in appropriate discipline with a valid GATE Score (i.e., those qualified in GATE 2013 or 2014)

### 3.8 Physics

**Research areas:** Laser Applications, Nuclear Physics and Solar Energy

#### Qualifications and Eligibility Criteria:

- **For Full-time Research Scholar (FRS)**  
Master's Degree / M. Tech Degree in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)
- **Only those candidates will be considered for Ph.D. Programme**
  - who holds M.Tech/M.Sc. Degree and a valid GATE score (2013 & 2014) or CSIR/NBHM/UGC-NET fellowship

(OR)

- whose admission to M. Tech/M.Sc. Programme was through GATE/JAM

### 3.9 Chemistry

**Research areas:**

Surface Science, Environmental Chemistry, Waste Disposal Management, Biophysical, Analytical Chemistry, Surface Chemistry, Materials Science, Aerosol, Atmospheric Chemistry, Organic Chemistry.

**Qualifications and Eligibility Criteria:**

- **For Full-time Research Scholar (FRS)**

Master Degree / M. Tech Degree in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**

- who holds M.Tech/M.Sc. Degree and a valid GATE score (2013 & 2014) or CSIR/NBHM/UGC-NET fellowship

(OR)

- whose admission to M. Tech/M.Sc. Programme was through GATE/JAM

### 3.10 Mathematics

**Research areas:**

Operation Research, Statistics, Multivariate Polynomial System, Numerical Analysis, Fractional Calculus, Integrated Equations and Computer Applications.

**Qualifications and Eligibility Criteria:**

- **For Full-time Research Scholar (FRS)**

Master's Degree in Sciences / M. Tech Degree or in appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**

- who holds M.Tech/M.Sc. Degree and a valid GATE score (2013 & 2014) or CSIR/NBHM/UGC-NET fellowship

(OR)

- whose admission to M. Tech/M.Sc. Programme was through GATE/JAM

### 3.11 Humanities, Social Sciences and Management

**Research areas:**

American Literature, English Literature, Indian Writing in English

**Qualifications and Eligibility Criteria:**

- **For Full-time Research Scholar (FRS)**

Master's Degree in Humanities (English) or in appropriate discipline with a minimum 6.0 CGPA or 60% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

- **Only those candidates will be considered for Ph.D. Programme**

➤ who holds a valid CSIR/NBHM/UGC-NET fellowship

**4.0 Admission to Part-time Research Scholar (PRS) Category**

The essential requirements for admission to part-time research scholar category are given below:

**4.1 Admission Criterion**

- the people working in National research laboratories / R&D organizations having MOU with NIT Jamshedpur
- the people working in PSU's / Industries having MOU with NIT Jamshedpur
- the Institute Faculty at NIT Jamshedpur on regular or contract basis. If a candidate is registered this category but not continue as a faculty of the Institute, he/she may be considered as full-time research scholar if he/she fulfill the qualifications and eligibility criteria or he/she may be continue as part-time scholar without any fellowship (financial support) from the Institute

**4.2 Academic Qualifications**

Bachelors/Masters Degree in Engineering/Technology or in the appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

(OR)

Master's Degree in Sciences/Humanities/Social Sciences/Management/Computer applications or in the appropriate discipline with a minimum 6.5 CGPA or 65% marks from a recognized Institute or University (Minimum 5.5 CGPA or 55% marks for SC/ST candidates)

**4.3 Work/Research Experience**

- ME/M.Tech/MS Degree with at least 3 years experience
- BE/B.Tech Degree with at least 5 years experience

**4.4 Residential and Other**

- (a) For the candidates from National Research laboratories / R&D organizations / Public Sector Units / Industries the minimum residential requirement is one semester, which is to be completed at a stretch preferably immediately after joining. During this time the candidates complete the course work requirements.
- (b) However, in case of candidates with very good research experience (not less than 10 years or more) in National Researches Laboratories / R&D organizations /Public Sector Units / Industries with the special permission of the Doctoral Scrutiny Committee, the residential requirement may be waived completely. Nevertheless, it is mandatory for such candidates also to complete the course work for the prescribed number of credits on self-study mode, following all evaluation components as prescribed for a regular course at NIT Jamshedpur.
- (c) For the candidates of Ph.D. under part-time, one guide from NIT Jamshedpur and one guide from the parent organization are mandatory. Hence, the candidates applying for Ph.D. under

part-time must identify a suitable guide in his/her organization, take his/her written consent and must indicate the same in the application.

- (d) The guide at the parent organization must possess Ph.D. qualification in the concerned area. In any case, the bio-data of the research guide at the parent organization must accompany the written consent given by him (Annexure-IV)
- (e) The candidates applying for Ph.D. under part-time must ensure that adequate facilities for doing research are available at his/her organization.
- (f) Student under this category is not entitled to any fellowship (financial support) from the Institute. They are required to produce a NOC / Sponsorship Certificate (Annexure II and III) from their employer along with relevant experience certificates on employer's letter head (containing details like website address, phone and fax number, postal address etc.) from present / past employers.

### **5.0 Selection Procedure**

The selection procedure for admission to Ph.D. Programme is based on consistently good academic record throughout and interview performance. Reservations for SC/ST/OBC/PWD are applicable as per GOI norms.

### **6.0 Institute Fellowship**

The candidates selected for admission to Ph.D. Programme as full-time research scholar is eligible to receive institute fellowship as follows. The tenure of a research fellowship is four years only but it is based on the performance of the research work and other assignments of the Department. The full-time research scholars have to assist in teaching and laboratory work assigned by the concerned Department.

- (a) Candidates joining with Master's Degree in Engineering / Technology or a degree recognized as equivalent thereto,
  - Rs.18,000/- per month, for the first two years
  - Rs.20,000/- per month, in the next two years
- (b) Candidates joining with a Master's Degree in Sciences / Humanities / Social Sciences /MCA / MBA or a degree recognized as equivalent thereto,
  - Rs. 16,000/- per month, for the first two years
  - Rs. 18,000/- per month in the next two years
- (c) Candidates joining with Bachelors Degree in Engineering / Technology or a degree recognized as equivalent thereto,
  - Rs. 16,000/- per month, for the first two years
  - Rs. 18,000/- per month in the next two years

The above institute fellowships are subjected to change from time to time, under directions of the Ministry of Human Resource Development, Government of India.

### **7.0 End Semester evaluation form and Progress report**

The candidate should submit an end semester evaluation form and progress report through their research supervisors at the end of each semester. If end semester evaluation form and progress report is not received consecutively for two semesters, the registration will be cancelled.

### **8.0 How to Apply**

The downloadable application form and the information brochure for admission to Ph.D. programme are available on Institute website: [www.nitjsr.ac.in](http://www.nitjsr.ac.in).



The filled-in applications along with the necessary documents and a crossed Demand Draft for Rs. 1,000/- (Rs. 500/- in the case of SC/ST candidates) towards Registration fee, drawn in favour of the Director, National Institute of Technology Jamshedpur, payable at SBI RIT Branch (Code 1882), NIT Jamshedpur and should reach to Associate Dean (Academic: PG&R), NIT Jamshedpur-831014, Jharkhand (State) on or before 27/06/2014 (Friday).

- Super scribe on the envelop "APPLICATION FOR Ph.D. ADMISSION in the Department of \_\_\_\_\_"
- The candidate is required to write on the reverse side of the Demand Draft his/her name and the program to which the application is being submitted
- It is advised to send the application form by Speed Post / Registered Post.
- The candidates who are employed and wish to do Ph.D. under Part-time Research Scholar (PRS) category must submit SPONSORSHIP / NO OBJECTION CERTIFICATE from the employer at the submission of application / time of admission, without which admission will not be possible.
- Check the following documents are attached to the application form:
  - DD with details written on its reverse side
  - Self-attested copy of SSC in support of Date of Birth
  - Self-attested copy of intermediate /(10+2) Certificate
  - Self-attested copies of Degree certificates and Mark Memos of the all qualifying examinations
  - Self-attested copy of the caste certificate (in case of SC/ST candidates)
  - For OBC candidates, self-attested copy of OBC certificate issued after 31/03/2014 as per the format given in the Annexure-I only is accepted
  - List of publications (if any)
  - Sponsorship / No Objection Certificate from the employer for PRS category as per the format given in the Annexure-II and III.

## 9.0 Important Dates

Advertisement in the News papers and Institute website	02/06/2014 (Monday)
Last date for receipt of application forms	27/06/2014 (Friday)
Intimation regarding interview call to be posted / uploaded on institute website	07/07/2014 (Monday)
Date of interview at NIT Jamshedpur	18/07/2014 (Friday)
Date of announcement of results	22/07/2014 (Tuesday)
Date of admission & registration	04/08/2014 (Monday) & 05/08/2014 (Tuesday)

## 10.00 GENERAL

- Candidates should specify broad areas of research in the application form
- Institute reserves the right to reject the applications for which faculty is not available/not eligible for guidance
- Incomplete application forms and forms submitted after the last date will be rejected. Institute will not be responsible for any postal delay
- Canvassing in any form will disqualify the candidates
- List of short-listed candidates for the interview will be uploaded on Institute website only

- The candidates are required to see our website for fee structure/faculty expertise etc. and also advised to visit our website regularly for update information about the admission to Ph.D. programme for the Autumn Semester 2014-15.
- At present, Hostel Accommodation is NOT available for the full-time research scholars.
- No separate interview letter / communication will be made to any individual
- All candidates selected for admission shall be required to deposit the Institute fee at the time of admission

### **Address for Correspondence**

Associate Dean (Academic: PG & R)  
National Institute of Technology Jamshedpur  
Jamshedpur - 831 014, Jharkhand, India  
Telephone: 0657-2374248, 23724245  
Email: [sanjay.me@nitjsr.ac.in](mailto:sanjay.me@nitjsr.ac.in)

**ANNEXURE- I**

**Proforma for Other Backward Class (OBC Certificate)**

**(CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER 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 09/03/96.
- 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 his family ordinarily reside(s) in the  
\_\_\_\_\_ District/Division of \_\_\_\_\_ State. This is also to certify that he/she  
does not belong to the Persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to  
the Govrnment 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 or the latest  
notification of the Government of India.

**Dated:**

**District Magistrate/Competent Authority:**

**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 / 1st Class Stipendiary Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1<sup>st</sup> 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 his family resides.
- (c) The annual income /status of the parents of the applicant should be based on financial year ending March 31, 2014.

**Declaration /undertaking - for OBC Candidates only**

I, \_\_\_\_\_ Son/Daughter of Shri \_\_\_\_\_  
resident of village/town/city \_\_\_\_\_ district \_\_\_\_\_ State hereby  
declare that I belong to the \_\_\_\_\_ community which is recognized as a backward  
class by the Government of India for the purpose of reservation in services admission in Central  
Government Institutions as per orders contained in Department of Personnel and Training Office  
Memorandum No. 36012/22/93 – Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong  
to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred  
Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training  
Office Memorandum No. 36033/3/2004 Estt. (Res.) dated 9/3/2004 or the latest notification of the  
Government of India.

I also declare that the condition of status/annual income for creamy layer of my parents/guardian is  
within prescribed limits as on financial year ending on March 31, 2014.

**Place:**  
**Date:**

**Signature of the Candidate**

Declaration/undertaking not signed by Candidates will be rejected

**Sponsorship / NOC from the Head of the Organization**

We sponsor the candidate Mr./Ms. \_\_\_\_\_ who is an full time employee of our Organization.

We understand that this sponsorship is covered by the following conditions:

- i The candidate will be continuing in the present place of work till he / she completes the research work.
- ii Necessary facilities will be provided for the proposed research work of the candidate.
- iii Necessary leave will be given to the candidate to enable him / her to fulfill the residence requirements at the Institute. The residence requirement consists of :
  - o For the candidates from National Research laboratories / R&D organizations / Public Sector Units / Industries the minimum residential requirement is one semester, which is to be completed at a stretch preferably immediately after joining. During this time the candidates completes the course work requirements
  - o However, in case of candidates with very good research experience (not less than 10 years or more) in National Researches Laboratories / R&D organizations /Public Sector Units / Industries with the special permission of the Doctoral Scrutiny Committee, the residential requirement may be waived completely. Nevertheless, it is mandatory for such candidates also to complete the course work for the prescribed number of credits on self-study mode, following all evaluation components as prescribed for a regular course at NIT Jamshedpur.
- iv The Research Supervisor from the Institute will be given access to the facilities necessary for the research work of the candidate in our organization.
- v The organization will ensure that the candidate devotes sufficient time to his/her research work so that the submission of thesis will be done within the time frame stipulated by the Institute.
- vi The organization will ensure that the candidate will be relieved of his/her duties for attending the course work for a period of one semester at the Institute, which will be taken up immediately after joining.
- vii In the event of any intellectual property generated by the student during his/her proposed research, the Organization agrees to, the sharing of IP rights as determined by a Committee constituted by NIT Jamshedpur for this purpose.
- viii If the candidate does not abide by the rules, the institute reserves the right to cancel the Ph.D. registration of the candidate at any time.

NAME:

DESIGNATION:

ADDRESS:

Signature of the Head of the Organization  
with the official seal

Place:

Date:

**RELIVING C E R T I F I C A T E**

This is to certify that \_\_\_\_\_(*Insert Name Of The Organization*)\_\_\_\_\_ hereby sponsor Mr. / Ms. \_\_\_\_\_ to pursue Ph.D. Programme in the Department of \_\_\_\_\_ at the National Institute of Technology, Jamshedpur. In case if he / she is selected for admission, he / she will be relieved from this Organization for a period of one semester ( 5 months) within the first year of admission so as to enable him / her to complete the stipulated course work prescribed by the Doctoral Scrutiny Committee, on full time basis at NIT Jamshedpur.

Name and Signature of the  
Executive Head of the Organization

Official seal:

**ANNEXURE- IV**

**DECLARATION BY SUPERVISOR FROM PARENT ORGANIZATION FOR PART-TIME RESEARCH SCHOLARS**

To

Dean (Academic)  
National Institute of Technology Jamshedpur  
Jamshedpur -831014, Jharkhand (State)

Sir,

I, Dr. \_\_\_\_\_ hereby express my willingness to act as a Supervisor to Mr. Ms. \_\_\_\_\_, who is interested in doing Ph.D. at the National Institute of Technology, Jamshedpur, under part-time category. I am herewith enclosing my bio-data. I also state that adequate facilities are available with us, for doing Ph.D. work at our organization.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Seal:

Encl: Bio-data