

# **ADMISSION TO M.S. (By research) and Ph.D. PROGRAMMES (June 2013 Session)**



**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI – 620 015, TAMIL NADU**



**NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI – 620 015, TAMIL NADU**

**Admission to M.S. (by Research) / Ph.D. Programmes**

**Applications are invited for Admission to M.S. / Ph.D. (Full time/Part time)  
Programmes for the year 2013 – 2014 (June 2013 Session)**

Candidates applying for M.S. (by Research) and Ph.D. can apply through the downloaded application form. Application and information brochure are available at [www.nitt.edu](http://www.nitt.edu). The filled up application form along with required enclosures and a non-refundable registration fee of Rs.300/- (Rs.100/- for SC/ST/PH) by means of Demand Draft drawn not earlier than **13<sup>th</sup> May 2013** in favour of “The Director, National Institute of Technology, Tiruchirappalli - 620 015” payable at Tiruchirappalli should reach the office of “*The Associate Dean (Academic), Office of the Dean (Academic), National Institute of Technology, Tiruchirappalli-620015, Tamil Nadu*” on or before **12<sup>th</sup> June 2013**.

**DIRECTOR**



**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015  
TAMILNADU**

**ADMISSION TO Ph.D. PROGRAMMES 2013-2014 (June 2013 Session)**

**Ph.D. Programme (Full time)**

**A. ELIGIBILITY AND ACADEMIC REQUIREMENTS**

**I. Faculty of Engineering**

Bachelor's and Master's Degree in Engineering / Technology in the appropriate branch of study with a minimum 60% aggregate marks (CGPA 6.5/10) in UG or PG for admission under OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates.

**For Metallurgical and Materials Engineering Department**

Candidates with PG degree in Science (Physics / Chemistry / Material Science/ Applied Science / Applied Physics / Applied Chemistry) followed by M.Tech. Degree in Material Science and Engineering/ equivalent PG degree in related discipline are also eligible to apply.

**II. Faculty of Architecture**

Bachelors degree in Architecture / Planning and Master's degree in Architecture / Design / Planning / Building Engineering and Management / Building Technology or its equivalent with a minimum 60% aggregate marks (CGPA 6.5/10) in UG or PG for admission under OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates.

**III. Management Studies**

Master's degree in Business Administration with valid NET/UGC/CAT/AIMA with minimum 60% aggregate marks (CGPA 6.5/10) in UG or PG for admission under OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates and a valid NET/UGC/CAT/AIMA.

Master's degree in Industrial Engineering / Industrial Management with minimum 60% aggregate marks (CGPA 6.5/10) in UG or PG for admission OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates.

**IV. Computer Applications**

Master's degree in Computer Applications or M.Sc. (Computer Science/ OR&CA) with GATE / NET/ UGC / CSIR / NBHM score with a minimum 60% aggregate marks (CGPA 6.5/10) in UG or PG for admission for OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates with GATE/UGC/CSIR/NBHM score.

Master's degree (M.E. /M.Tech.) in Computer Science and Engineering with a minimum 60% aggregate marks (CGPA 6.5/10) in UG or PG for admission under OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates.

**V. Faculty of Science & Humanities (Maths/ Physics/ Chemistry/Economics and English)**

Master's degree in Sciences / Humanities / Social Sciences/Economics in the relevant discipline with a minimum 60% aggregate marks (CGPA 6.5/10) and a valid GATE / UGC / CSIR / NBHM / NET score for OC / OBC category and 55% aggregate marks or equivalent CGPA of 6.0 is the eligibility requirement for SC/ST candidates and a valid GATE / UGC / CSIR / NBHM / NET.

**B. ADMISSION CATEGORIES**

1. There are three categories of admission under Ph.D. (Full Time).

**1.1 Ph.D. (Full time) - Stipendiary Category**

Half Time Research Assistantship (HTRA) are available to full time scholars who are admitted to Ph.D programmes in different departments subject to the maximum number available as stipulated by Ministry of Human Resources Development. The award and renewal of this assistantship / scholarship is as per the guidelines issued by MHRD from time to time. Those

receiving the assistantship are required to assist the department in academic work to a minimum of 8 hours per week. As per rules in force, candidates interested in getting the assistantship / scholarship, have to give an undertaking on stamped paper to the effect that they will not discontinue the course before completion. Those who discontinue the Ph.D. Programme are required to refund the entire scholarship amount drawn by them. The assistantship / scholarship will not be available to sponsored candidates or to students getting financial support from any agency including state and central government.

The fellowships are available in the following departments,

Sl. No.	Department	Vacancies	Sl. No.	Department	Vacancies
1	Chemical Engg.	4	9	Production Engg.	4
2	Civil Engg.	4	10	Physics	3
3	Computer Sci. and Engg.	2	11	Chemistry	3
4	Electrical and Electronics Engg.	4	12	Maths	2
5	Electronics and Communication Engg.	3	13	Computer Application	2
6	Instrumentation and Control Engg.	2	14	Management Studies	2
7	Mechanical Engg.	4	15	Architecture	1
8	Metallurgical and Materials Engg.	4	16	Humanities	1

**Reservation:** Government of India reservation policy will be followed for OBC / SC / ST and Physically Challenged (PH) Candidates.

### 1.2 Ph.D. (Full time) - Project category

The Applicants working under sponsored project at NIT-T should submit their application through Proper Channel irrespective of the vacancy position. However, the selection procedure shall be remains the same.

### 1.3 Ph.D. (Full time) - Non-Stipendiary Category

In Science and Humanities departments, non GATE / UGC / CSIR / NBHM / NET candidates will also be considered for admission on non stipendiary basis.

## 2. Ph.D. Programme (Part time – External / On campus categories)

Part-time Ph.D. programme is offered for working professionals from Govt. R&D Organizations / Public sector/ Industries/National Research laboratories and for faculty members from Govt./ Govt. Aided/ private Engineering/ Science and Arts Colleges/ Universities. There shall be two broad categories of the part-time Ph.D. Programme for the candidates seeking to pursue part time Ph.D. at NITT. The categories are as follows:

**2.1 Part-time (External):** Candidates working in reputed industry/organization having R & D facilities, Govt. R&D Departments / National Research Laboratories / Units of Government / Quasi Government/ Public sector are considered under this category. The candidates must be **officially sponsored** by their employing organization. A candidate working in an establishment which is equipped with the **necessary research and library facilities** only shall be considered for admission under this category. A committee appointed by the Director (consisting of Dean-Academic, Dean-R&C and Head of the Department) in addition to members of Departmental Administrative Council shall assess the adequacy of these facilities before recognizing the organization for the above purpose.

At the time of admission the employer must expressly undertake to pay full salary to the candidate and relieve him/her to complete his/her residential requirement. A candidate applying for admission to the external registration programme must provide detailed information about the research facilities available at his/her organization and a certificate from the employer/Supervisor that these would be available to him/her for carrying out research. He/she should also provide the bio-data of the prospective supervisor (External guide) or Research Coordinator who would supervise/ co-ordinate the candidate's work at his/her organization.

**2.2 Part-time (on Campus)** Regular/ Full-time teachers/employees working in Govt/Govt. aided/ private Engineering/Technology colleges or Science and Arts Colleges/ Universities/ industry/ public sector organization are considered under this category. At the time of admission, the candidate must submit a **“no objection”** certificate from the Parent College/ organization to relieve him/her to complete his/her residential requirement. The candidate should have **at least three years experience** in a regular/permanent position at the time of application. The Departments concerned would decide the candidature of the selected candidates after thorough discussion and analysis in Departmental Administrative Council.

### **2.3 Selection Procedure**

**For both categories, the mode and norms for selection shall be on par with those in force for full-time Ph.D. candidates.** Following the scrutiny and short-listing of the applications, eligible candidates will be called to attend a written test. The candidates short listed based on the written test performance need to appear for a personal interview by the Departmental Research Committee comprising HOD, all eligible guides and the Dean's nominee (observer).

### **2.4 Duration of the Programme**

The duration of the programme and the time for submission of thesis are counted from the date of provisional registration. The minimum duration of the Part-time Ph.D. Programme shall be three years for both categories (External and On campus). This implies that a candidate can submit the synopsis (duly satisfying other academic requirements) only after a minimum period of study of 36 months from the date of registration. The maximum period to complete the part-time Ph.D. Programme is 7 years.

### **2.5 Place of research work**

The candidates admitted under external category will normally carry out part or all of his/ her research work in their respective industry/ organization/ national laboratories/ employing the scholar. For these scholars, there will be two guides, one internal guide from NIT Trichy and one external guide from his/her place of work.

For the candidates admitted under on campus category the place of work is NITT even though he/she may be carrying out a part of work in his/her College/Institution. For these scholars, NITT faculty shall be the internal (principal) guide. External guide, if any shall be from the industry only.

### **2.6 Course work/ Residential requirement**

The minimum residential requirement for candidates under external category for undertaking course work is eight weeks. Four relevant theory courses at Master's degree level (as recommended by the DC) shall be taken by the scholar. The candidates may complete the course work during their mandatory stay of at least eight weeks which may be undertaken in maximum of four instances of two weeks each. The research scholars are permitted to undertake the course work under 'directed study' mode. The course work shall be completed within one and half years of provisional registration in the programme. Subsequent to the completion of course work, they can continue their research work in their respective

industry/ institution. However, the scholar shall spend at least one week per semester on campus until the submission of synopsis.

For the candidates under on campus category, the minimum residential requirement is one semester. Four relevant theory courses at Master's degree level (as recommended by the DC) shall be taken by the scholar. Normally the course work shall be undertaken during the residential period of one semester itself. The requirements relating to course work will be as per norms of full-time scholars. Subsequently, the scholars shall continue their research work on a part-time basis, through regular interaction with the guide. The scholar (both external and on campus categories) shall spend at least one week per semester on campus until the submission of synopsis.

**Note: The faculty and staff of NIT-T should submit their application through Proper Channel irrespective of the vacancy position. However, the selection procedure shall be remains the same.**

### C. SELECTION PROCEDURE

S.No.	Name of Programme	Category	Mode of Selection
1	Ph.D.	Full time	Test & Interview
2	Ph.D.	Part time	Test & Interview

The detailed Ph.D Regulations are available in the following link:

<http://www.nitt.edu/home/academics/rules/PhD-regulations.pdf>

### D. HOW TO APPLY?

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### E. NITT ENTRANCE TEST and INTERVIEW (Tentative Date)

Programme	Date	Time	Activity
Ph.D.	27-06-2013	10.30 am	Test & Interview

For further queries, contact:

The Associate Dean (Academic)  
Office of the Dean (Academic)  
National Institute of Technology  
Tiruchirappalli- 620015. Tamil Nadu.

Phone No: 0431-2503011

E-mail: [phd@nitt.edu](mailto:phd@nitt.edu)

**LAST DATE FOR SUBMITTING THE FILLED APPLICATION IS 12-06-2013**