

**NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
ADMISSION TO Ph.D. PROGRAMMES**

2014-15

WEB LINKS	NEWS AND EVENTS (VIEW ALL)
ABOUT NSIT	Please note that for Ph.D. Admission, one has to apply online on website http://www.nsit,nic.in , after which registration payment of registration fee will be required. Please do not send any Bank Draft/Cheque/Cash etc. for getting hard copy of Admission form as all registrations will be done online.
ELIGIBILITY CRITERIA	
PROCEDURE FOR ADMISSION	
AREAS OF RESEARCH	Advertisement for Ph.D. Admission 2014-15
DOCUMENTS REQUIRED	For any help related to admission please.
ADMISSION SCHEDULE	Helpline No.
FINANCIAL ASSISTANCE	9968604142, 01125099061
FEE DETAILS	(10.00 a.m. to 5.00 p.m.) only
INSTRUCTION FOR APPLYING ONLINE	
HELP HESK	

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

Sector-3, Dwarka, New Delhi-110078

2014-15

ABOUT NSIT

- Established in 1983 as Delhi Institute of Technology (renamed as Netaji Subhas Institute of Technology in 1997) with an objective of meeting growing demand for manpower in the emerging areas of Engineering and Technology.
- An autonomous Institute **fully funded by the Govt. of NCT of Delhi.**
- Affiliated to the University of Delhi for UG, PG & Ph.D. programs.
- Beautifully landscaped fully residential campus in sprawling 145 acres of land complete with all facilities including Faculty & Staff residences, Hostels, Cooperative mess, Sports Complex, Banks, Post Office, Kiosks and other amenities.
- Over 750 Research papers published in International Journals and several hundred presented in National/International Conferences by its Faculty members.
- Faculty members acting as Editors/Associate Editors/Reviewers for over 100 International Journals.
- Emphasis on innovative R&D and Continuing Education Programs, Consultancy, Product Development and Technology Transfer.
- MoUs with over a dozen International Universities/Institutes/ Organizations.
- Ongoing joint R&D projects with several industries.
- Chain of advanced centres in all departments, fully functional Centre for Electronics Design and Technology actively involved in department of innovative projects.
- Establishment of 'Science & Technology Park' proposed in the campus.
- Institute has consistently been featuring prominently in various national level surveys conducted by reputed professional/ trade magazines, such as Dataquest, India Today etc.
- Institute's efforts recognized by ISTE in 2002 with Bhartiya Vidya Bhawan National Award to NSIT for being an Engineering College having best overall performance in the field of Technical Education in the Country.
- NSIT was declared '**Capital Pride**' by Govt. of NCT of Delhi through a half page advertisement in all National newspapers in 2003.

- Dataquest – IDC T-School survey has ranked NSIT 11th in the year 2010 and the Dataquest – CMR Survey has ranked NSIT 10th in the year 2011 among the Top 100 T-Schools of India.
- Placement record of the Institute is one of the best among the Engineering Colleges in the country. Dataquest – CMR Survey has ranked NSIT 5th in the year 2011 and the Dataquest – IDC survey has ranked NSIT 4th in the year 2010 in placement among top 100 T-Schools of India.
- Students have been consistently winning awards in various National and International Competitions.
- UG students accepted as summer interns in leading Universities abroad.
- Several NSIT students have scored 100 percentile in CAT/GRE.
- Students (B.E, M.Tech. & Ph.D) succeed in getting their research papers published in reputed International journals every year.
- Laboratories and academic environment are highly conducive for achieving excellence in education and research.
- Texas Instruments (TI) India established 'TI centre for Embedded Product Design' at NSIT campus in 2012.

Website of the Institute : <http://www.nsit.ac.in>

Website for Admission 2014-15 : <http://www.nsit.nic.in>

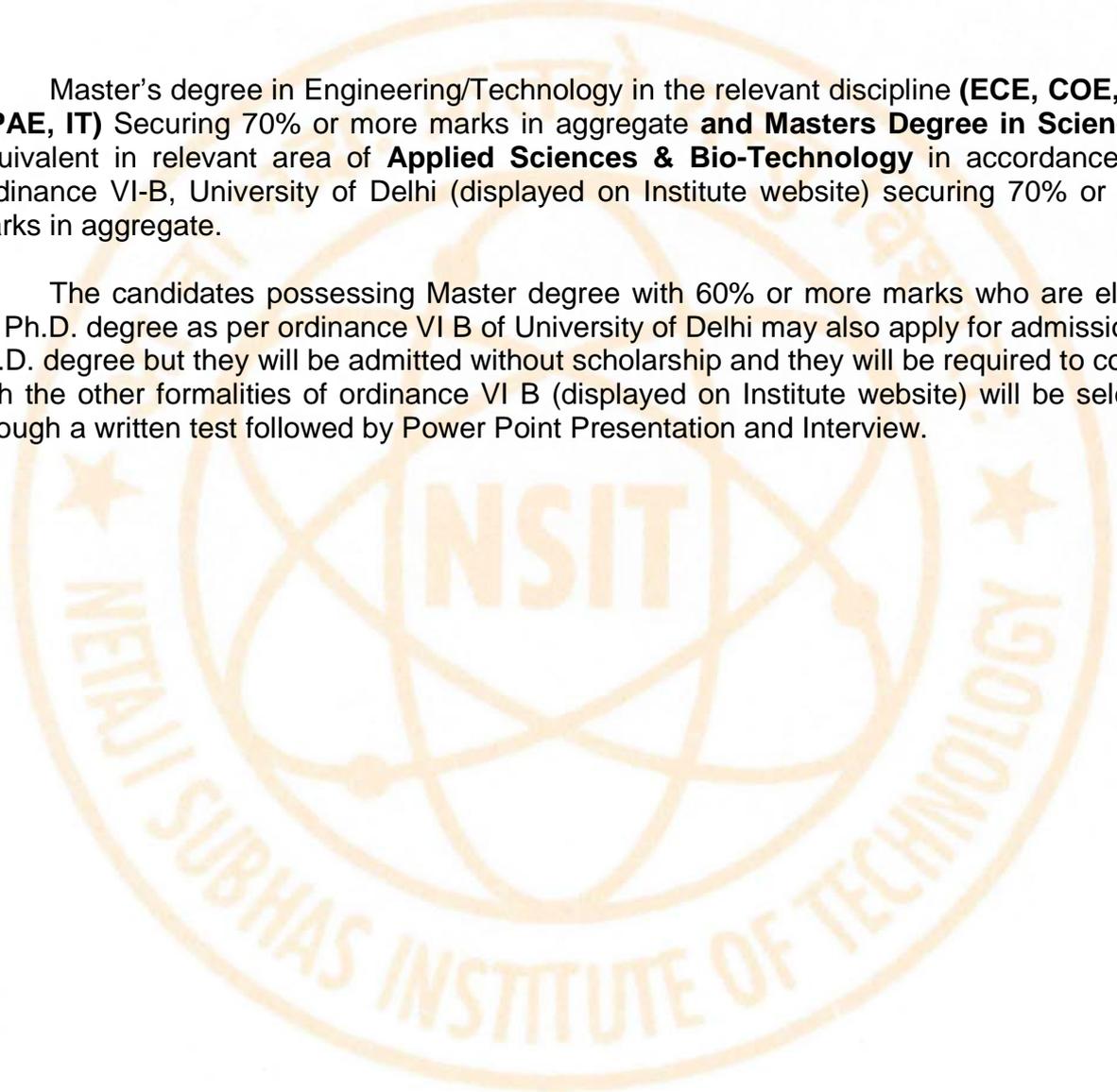
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ELIGIBILITY CRITERIA

Master's degree in Engineering/Technology in the relevant discipline (**ECE, COE, ICE, MPAE, IT**) Securing 70% or more marks in aggregate **and Masters Degree in Science** or Equivalent in relevant area of **Applied Sciences & Bio-Technology** in accordance with Ordinance VI-B, University of Delhi (displayed on Institute website) securing 70% or more marks in aggregate.

The candidates possessing Master degree with 60% or more marks who are eligible for Ph.D. degree as per ordinance VI B of University of Delhi may also apply for admission for Ph.D. degree but they will be admitted without scholarship and they will be required to comply with the other formalities of ordinance VI B (displayed on Institute website) will be selected through a written test followed by Power Point Presentation and Interview.



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PROCEDURE FOR ADMISSION

A written test will be organized on department level (Irrespective of with/without fellowship) which will have multiple choice questions of one hour duration. The selection of the short listed candidates after written test shall be made by the selection committee of the respective department. **The final selection will be made on the basis of the performance of the candidate in written test, power point presentation (7 to 10 minutes on any area of his/her interest preferably research area) and Interview. Interviews will be held in July – Aug. 2014.**

Candidates selected for admission to the Ph.D. Programme will have to subsequently apply to the University of Delhi for Ph.D registration as per University Rules and will have to complete the course work as per the ordinance VI B of University of Delhi.

Candidate appearing in the qualifying exams must ensure that their final results (with requisite marks) are declared before the date of Interview (probably in July-Aug 2014) otherwise they will not be allowed to appear before the selection board.

Selected candidates shall be required to deposit institute fee and other charges immediately at the time of registration for which he/she will be intimated before the date of registration well-before-the time. The amount payable by him/her will be in DD/cash as per rule. Limited hostel accommodation is available which will be provided to students subject to availability.

No TA/DA will be admissible to the applicants called for written Test/Interview.

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Ph.D Programmes (Full- Time)

Applications are invited for Teaching- cum-Research-fellowship and Research Fellowship in all the Divisions/Schools.

Areas of Research include, but are not restricted to, the following:

(i) **Division of Electronics & Communication Engineering (ECE):**

Analog Integrated Circuits and Signal processing ; CMOS Analog circuits, Analog VLSI, Statistical Signal Processing, Electromagnetics, Gravitation, VLSI, Optical networks and Optical communication, Wireless Communication, Digital Signal Processing (DSP), Statistical Signal Processing, VLSI Digital Signal Processors.

(ii) **Division of Computer Engineering (COE) & Division of Information Technology (IT) :**

Internet and Web Technologies, Image Processing, Distributed and Parallel Processing, Network Security, Opportunistic Networks, Cloud Computing, Sensor Networks, Video processing, Digital Watermarking, Mobile Computing, Data mining, ADHOC Networks.

(iii) **Division of Instrumentation and Control Engineering (ICE):**

Power Electronics, Industrial Drives, Artificial Intelligence, Intelligent Control, Intelligent Modeling of Non-Linear Systems, Biometrics & Bioinformatics, Intelligent instrumentation, Intelligent Control of Shaker System, FPGA Applications in Instrumentation, Distillation Process, Image Processing, Biomedical Instrumentation, Electrical Drives, Power Quality, AI Based Control Techniques, FACTS, DSP-based control of machines, Renewable Energy Systems, Process Dynamics, Intelligent Process Control, Robotics, VLSI.

(iv) **Division of Manufacturing Processes and Automation Engineering (MPAE):**

Manufacturing, CAD/CAM, Product Design, Unconventional Machining Methods ECDM/ECM/DEM/USM etc, Artificial Intelligence, Robotics Management, Product Design.

(v) **Division of Bio-Technology: Bio-remediation & Novel therapeutics and Antimicrobial agents.**

(vi) **School of Applied Sciences (SAS):** a) **Deptt. of Mathematics :** General relativity and cosmology, Complex Analysis, Approximation Theory and Operator Theory, Fluid Mechanics, Biomechanics. b) **Deptt. of Chemistry :** Inorganic Chemistry, Organic Chemistry, Polymer Technology . c) **Deptt. of Physics:** "Material Science: Electrostrictive Materials, ceramics, Heterostructures ; Solar energy materials and green buildings".

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DOCUMENTS REQUIRED

❖ **AT THE TIME OF WRITTEN TEST/INTERVIEW**

- Printout of application form duly signed by the candidate along with a passport size photograph.
- Original receipt of application fee of Rs. 1000/- paid by the candidate and its photocopy.
- Identity Proof(Passport/Aadhar card/Driving licence/Voter ID/ PAN card)
- Original and self attested copy of GATE Score (if applicable).
- Original and self attested copy of both Mark sheet and Degree of qualifying examination (M.E./M.Tech./M.Sc.).
- Original and self attested copy of class 10th certificate/ Mark-sheet in support of Date of Birth.
- Proof of CGPA/FGPA conversion to Percentage (if applicable).
- Original copy of Medical fitness certificate for all.
- If employed earlier relieving certificate of the employer.

❖ **AT THE TIME OF ADMISSION**

- Demand Draft/ Banker's Cheque of requisite admission fee in favour of Director, NSIT, New Delhi payable at Delhi.
- Original receipt of application fee of Rs. 1000/- paid by the candidate.
- Identity Proof(Passport/Aadhar card/Driving licence/Voter ID/ PAN card)
- Original and self attested copy of GATE Score (if applicable).
- Original and self attested copy of both Mark-Sheet and Degree of qualifying examination(M.E./M.Tech./M.Sc.).
- Printout of application form duly signed.
- If employed earlier relieving certificate of the employer.

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ADMISSION SCHEDULE (TENTATIVE)

S.NO	ACTIVITY/ EVENT	DATE
1.	Opening of Window for filling the Application Form online and fee deposit.	26.05.2014 (12.30 p.m.) to 06.06.2014 (Midnight)
2.	Display of List of shortlisted candidates for written test/interview on Institute Website & nic website.	Between 30.06.2014 to 31.7.2014.
3.	Written Test and Interview for each deptt as per availability of Selection Committee members.	Between 07.07.14 to 14.08.2014 on wards.
4.	Display of List of selected candidates on Institute Website and Notice Board after the approval of competent authority.	Between 20.07.2014 to 20.08.2014 onwards.
5.	Date of Fees deposit (within one month from the issue of letter for admission.	After the issue of admission letter.

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Financial Assistance to Ph.D Scholars

The institute aims to identify suitable candidates having keen interest in teaching and research who would like to take up a career in Academics. In line with this objective, therefore, a scheme "Teaching-cum-Research-fellowship" has been introduced. Exceptionally brilliant candidates having keen interests in an academic career, shall be considered for this fellowship.

The Institute offers a Teaching-Cum-Research Fellowship of **Rs. 25000/- pm for 1st year and Rs. 30,000/- per month for next two years.** Successful candidates, on completion of Ph.D. under the scheme, stand good chance of being considered for absorption as faculty in this institute through proper Selection Committee.

A scheme also exists for the award of Research Assistantship for providing financial assistance to the students for which a fellowship of **Rs. 18,000/- per month for first two years and Rs. 20,000/- per month after 2nd year is available to all those Research fellows who have postgraduate degree in professional course.** In terms of this scheme, the student who is not found suitable for TRF but found suitable for research can be considered for admission to Ph.D. Degree programme as Research Fellow.

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FEE DETAILS:

Candidates selected will be required to deposit the annual fee and other charges as per the admission schedule or as intimated by the Institute. The amount of fee payable by him /her is **Rs.73,300/- (Rupees Seventy Three Thousand and Three Hundred only likely to be revised).**

NOTE:

- All admissions are provisional and subject to verification of certificates submitted by the candidates and subject to medical fitness according to the norms laid down by the Institute from time to time and found fit (except PH category)
- The photocopies are to be self-attested.
- All candidates are mandatorily required to bring all the original certificates at the time of Written test/Interview/Admission for verification.

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INSTRUCTIONS FOR APPLYING ONLINE

Application process for Ph.D Admission at NSIT for session 2014-15 will be online. Candidates willing to apply for admission in various Ph.D. Courses at NSIT can visit NSIT Admission website <http://www.nsit.nic.in>. Online application process will start from May 26, 2014. Detailed admission schedule (tentative) is also available on this website along with other related details about courses, eligibility criteria, number of seats, fee details etc.

IMPORTANT: One application form is required for each division. (If an applicant wishes to make multiple registrations; he/she has to fill separate applications for each division. For each registration made by candidate, separate registration fee of Rs. 1,000/- is required to be deposited.

Candidates are required to first register themselves and fill complete application form. Separate application forms are to be filled for each division. Candidates are also required to upload a scanned photograph along with the signature as shown below. (*Size of the photograph should not exceed 100kb and should be in .jpg, .png, .gif or .bmp format*)

PHOTOGRAPH
SIGNATURE

In case candidate does not upload the photograph along with the signature, his/her application form will be rejected.

After completing online application form, when candidate submits application form, he will be asked to create a password for this website. An 8-digit registration number will be generated by system after completion of application form. Candidates are required to note down the registration number for future use as this registration number is the login ID for candidate's account on this website.

All candidates who have completed and submitted the online application form successfully can later on login to this website using their registration number and password generated during registration process. They can edit their application form for making necessary changes (if required). Finally when candidate is satisfied with all details filled in application form, he/she can confirm the application and take print out of complete application form. Once application is confirmed by the candidate, he/she cannot change any details filled in the application form.

Candidates can deposit the registration fee through online after confirming the application.

While filling the application form, students are required to fill the percentage of qualifying examination. In case result is given in CGPA/FGPA student should fill the percentage as per the formula prescribed by the University. (This conversion proof they must produce at the time of written test/Interview/admission). In case University has not prescribed any guidelines, the students should use the formula as per AICTE guidelines. For example if the CGPA is 8.5 in the scale of 10 then percentage will be

$$(8.5-0.75) \times 10 = 77.5\%$$

Candidates are required to submit a copy of application form (submitted online) alongwith one Passport size photograph and one set of attested copies of certificates and marksheets (please check the list of documents required on the website) on the date of Written Test/Interview. Admission will be offered to selected candidates as mentioned in the admission schedule.

Complete online application process can be summarized as follows:

- Visit www.nsit.nic.in , register and fill application form and create password.
- Note down registration number generated by the system.
- Login to your account using registration number and password, edit your application for any changes.
- Registration fee can be deposited through on line.
- Confirm the application, and take printout of the application form
- Download Medical fitness certificate format from the website
- In case of any problem contact the Help Desk.
- If Shortlisted, bring complete application form along with a passport size photograph and all required certificates (original and a set of attested photocopy) to NSIT on the dates of Written test/Interview.
- If offered admission, report at Academic PG section (Room No. 014, Administrative Block) along with all your original certificates and other documents and demand draft of fee.

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HELP DESK

For any help regarding admission, use the help line numbers (from 10:00 am to 05:00 pm)

Helpline Numbers: 09968604142
011-25099061

Fax : 011-25099022

E-Mail : academicpg@gmail.com