

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR,
HAZRATBAL SRINAGAR KASHMIR.

ADVERTISEMENT FOR M.PHIL AND PH.D PROGRAMMES

Applications are invited for enrolment to M.Phil/Ph.D Research Programmes in the field of Engineering, Science & Humanities and Social Science for the spring session 2015

Application form can be downloaded from Institute website www.nitsri.net. **The last date for receipt of application is 12th December, 2014.** Scholarship will be awarded as per norms. For further details candidates are requested to visit the Institute Website.

Dean(Academic Affairs)

No.NIT/DAA/14/M. Phil / Ph. D/Spring-2015/ 305-30 Dated: 10-11-2014

Office of the Dean Academic Affairs
National Institute of Technology, Hazratbal, Srinagar.

ADMISSION NOTICE
DATED: 01-11-2014

Applications are invited to the following Research Programmes for the Spring Session-2015

Field of Specialization for Ph. D in Engineering
<p>1) <u>Civil Engineering</u></p> <p>Structural Engineering: Structural Engineering, Earthquake Engg, Finite Element Analysis, Concrete Technology, Tall Buildings, Civil Engg. Materials, ReinforcedConcrete,</p> <p>Water Resources Engineering: Hydraulic Structures and Water Resource Engg., Hydrology and water Resource Engineering, Sediment Transport, Environment and Water Resources Engineering, Hydrology and Hydraulic Structures, Fluvial Hydraulics,</p> <p>Geotechnical Engg / . Transportation Engg / Geology Transportation Engg, Planning, Geotechnical Engg, Soil Dynamics, Ground Improvement Techniques, Geosciences and Rock Engineering</p>
<p>2) <u>Electrical Engineering</u></p> <p>Power System Dynamics & Control, Application of Energy Storage Devices to Power Systems, Power Systems Optimization, Energy System Planning & Modelling, Stand Alone Power System, Wind Energy Conversion Systems, Power Electronics Power Quality, Electric Drives & Flexible AC Transmission System, Control Theory, Model order reduction, Finite Element Modelling of Distributed Parameter System.</p>
<p>3) <u>Mechanical Engineering:</u></p> <p><u>Mechanical Engineering:</u> Fluid Mechanics & Machinery, Design of two-phase flow systems, Non-conventional Energy, Fatigue,Fracture Mechanics, Thermo elasticity, Wave Motion,Tribbology and Maintenance Engg.,Finite Element Method(FEM),Computational Mechanics Design of Structures, Dynamics of Structures, Mechanics of solids Nano Tribology, Tribology, High Temperature Tribology,Life Cycle Engg., Internal Combustion Engineers, Smart structures, Continuum Mechanics, Vibration control MEMS, Experimental Fluid Mechanics & Heat Transfer, Augmentation, Computer aided design of Thermal Systems,ResnewableEnergy,Computational Fluid Dynamics(CFD) MEMS,Ultrasonic transducers</p>
<p>4) <u>Electronics & Communication Engg.</u></p> <p>Image Processing,Wireless Networks, Biometrics,Analog and Digital Communication,Microwave and Radar Engineering,analog and Digital VLSI Design, Device Modelling and Simulation, Novel MOS Devices for ULSI application,ComputerNetworks,Data and Networks,Data Communication Embedded System, Radio Frequency IC Design,MOS Insulators and Molecular Nano Science and Electronics</p>
<p>5) <u>Computer Science&Engg.</u></p> <p>Reconfigurable Computing and Architecture and Computer Networks</p>
<p>6) <u>Chemical Engineering</u></p> <p>Membeane separation process, Membrane development and membrane characterization, Fuel celland Batteries, Electrodialysis and reverse electrodialysis,Micro-channels,Chemical Engineering and Biochemical Engineering.</p>
<p>7) <u>Metallurgy & Materials Engg.</u></p> <p>Foundry Technology (Metal Casting) ,Composites, Mechanical Metallurgy(Mechanical Behaviour and working of metals /alloys),Nan materials /Nano Technology, Corrosion, Process Metallurgy and Powder Metallurgy.</p>

ELIGIBILITY for Ph. D in Engineering Discipline

FOR GENERAL CATEGORY CANDIDATES

Master's Degree in relevant field of Engineering with a minimum CGPA of 6.5 or not less than 60% marks at

Master's level or any other equivalent qualification recognized by the Institute.

Candidates with Master's degree in Applied Geology/Earth Sciences or an allied area, satisfying each of the following criteria:

- i) a minimum of 65 percent marks/6.5 CPI in the master's degree.
- ii) first division in bachelor's degree, and
- iii) with a valid Gate score or UGC/CSIR NET/NBHM or equivalent qualification in the relevant area tenable for the year of registration.

FOR SC/ST/OBC CATEGORY CANDIDATES

Masters Degree in relevant field of Engineering with a minimum CGPA of 6. or not less than 55% marks at Master's level or any other equivalent qualification recognized by the Institute

Dates for written test and interview:

1. Written Test will be held on 3rd of March, 2015.
2. Interview will be held on 5th of March, 2015 at NIT, Srinagar

Sponsored Candidates(Full Time/Part Time) (Field of Engineering /Field of Science)

Sponsored Full Time/Part Time candidates must produce the following documents at the time of Enrolment.

- a) No Objection Certificate & Sponsorship Certificate from the employer.
- b) Proof of 02 years regular services
- c) Deputation order from employer for 06 months from start of enrolment for completing course work for part time candidates.
- d) Internal faculty and Institute candidates will be exempted from any test and deputation order by this Institute

Field of Specialization for Ph. D in Non-Engineering Discipline
Field of Specialization (B)M.Phil/Ph.D for Science)
1. Physics Space plasma, Nanotechnology, Atomic Physics, Nanotechnology, Solid State Physics, Renewable Energy, Theoretical Physics and Solid State Physics.
Chemistry Inorganic Chemistry, Organic Chemistry & Physical Chemistry
2. Mathematics Summability Theory, Wavelet Analysis, Complex Analysis
Humanities and Social Science General Management Financial, Management and Marketing Management

ELIGIBILITY for Ph. D in NON ENGINEERING Discipline
<u>FOR GENERAL CATEGORY CANDIDATES</u> 1. Masters Degree in relevant field of Science with a minimum CGPA of 6.5 or not less than 60% marks at Master's level or any other equivalent qualification recognized by the Institute.
<u>FOR SC/ST/OBC CATEGORY CANDIDATES</u> 2. Masters Degree in relevant field of Science with a minimum CGPA of 6. Or not less than 55% marks at Master's level or any other equivalent qualification recognized by the Institute.
<u>Dates for written test and interview:</u>
I. Written Test will be held on 3 rd of March, 2015
II. Interview will be held on 5 th of March, 2015 at NIT, Srinagar

Application forms can also be downloaded from our website www.nitsri.net and sent to the respective Head, Department of the concerned National Institute of Technology, Srinagar along with the necessary Demand Draft for Rs: 400/= (in case of SC/ST candidates Rs: 200/=) drawn in favour of Director, NIT Srinagar by or before 12th of December, 2014

Applications will be screened by concerned Departments and list of eligible candidates will be put on website www.nitsri.net by or before 24th of December, 2014. All announcements related to admissions will be made through our website. All candidates are advised to keep in touch with the website till the process of enrollment is complete.

M. Phil Part time is not applicable.

All required/notified documents have to be submitted on due date of enrolment, failing which enrollment will be cancelled automatically.

Hostel accommodation will be provided subject to availability.

(Prof.M.D.Mufti)
Dean Academic Affairs)

No: NIT/DAA/M.Phil/Ph.D/Spring-2015/14/331-61
Dated: 10 -11- 2014

**NATIONAL INSTITUTE OF TECHNOLOGY
HAZRATBAL SRINAGARKASHMIR (INDIA)**

Sr. No _____

Photograph
duly attested

**APPLICATION FOR ADMISSION TO THE DEGREE OF
M.PHILL/Ph.D Course Session Spring-2015**

Head,
Department of _____,
National Institute of Technology,
Hazratbal, Srinagar, Kashmir.

Sir,

I hereby apply for enrolment as Candidate to M.Phill/Ph.D in the faculty of _____ (Department _____), National Institute of Technology, Hazratbal, Srinagar, Kashmir (India) and submit the following particulars in support of my application, I have read the rules and regulations for this Course and undertake to abide by these and also the amendments/additions made therein from time to time. I hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief. Further and I authorise the Institute to cancel my registration in the event if the information give by me in this application has been found false or incorrect subsequently.

Yours faithfully,

Place: _____

Dated: _____

Signature of Candidate

(PARTICULARS TO BE FILLED IN BY THE CANDIDATE)

1.	Name (in Block Letters)	
2.	Father's Name/Guardian's Name	
3.	Date of Birth (As per Matriculation Certificate)	
4.	Registration No	
5.	Permanent Address	
6.	Present Address with Phone No/ E-Mail	
7.	Whether belonging to SC/ST/OBC (if so, enclose certificate from the competent authority)	
8.	Academic Qualifications	
	<i>Exam Passed</i>	<i>Name of the Univ/Instt</i>
	<i>Year</i>	<i>Roll No</i>
	<i>Max. Marks</i>	<i>Marks/ Grade Obtd.</i>
	<i>%age of Marks</i>	<i>Discipline</i>
9.	Extra Curricular Activities	
10.	Any other relevant information	
11.	Have you every been disqualified or punished (State Yes/No), If so, Class/Examination, Session, Year, Name of the University, and details of punishment	
12.	Proposed Area of Research	
13.	Details of previous research experience, if any	
14.	Details of publications, if any	
15.	Is the candidate employed, the name of the Institution where employed and nature of work (also state where working as Teacher or Non – Teacher)	
16.	Details of Bank Draft (No, Amount & Date)	

**(CERTIFICATE TO BE SIGNED BY THE HEAD OF THE INSTITUTION/EMPLOYER
IN CASE OF IN SERVICE CANDIDATE)**

Certified that _____ employed as _____ in this organization, is sponsored for admission to Ph.D Programme (Full-Time/Part-time) at National Institute of Technology, Srinagar. He/She is employed in this organization since _____ in a regular cadre. The employee will essentially be relieved to complete the course requirements/attendance requirements in accordance with the Institute statutes.

Signature of Applicant

Signature of Competent
Authority with Designation and Stamp.

Note: The candidate is required to submit one attested photocopy of the following Certificates/Degree along with the application form.

1. *Matriculation Certificate for verification of Date of Birth*
2. *B. Tech/B. E Degree and Marks Sheet*
3. *M. A/M.Sc/M.Com/M.Tech/GATE/NET etc., Degree and Marks Sheet .*
4. *Migration Certificate (in case a student coming from other University/Institute).*
5. *No Objection cum Service Certificate from the employer (in case of inservice candidate).*
6. *Schedule Caste/Schedule Tribe/Physically Handicapped Certificate.*
7. *Nature of employment, Research experience, publication and other related details.*