

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR, HAZRATBAL, KASHMIR.

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ADMISSION NOTICE DATED: 18.06.2012

For Ph.D. / M. Phil

Applications are invited for the following Research Programmes for the Autumn Session-2012:

M.Phil/Ph.D (Faculty of Science)

ELIGIBILITY

A) Field of Specialization

FOR GENERAL CATEGORY CANDIDATES

I. CHEMISTRY

Physical Chemistry, Inorganic Chemistry, Organic Chemistry
Environmental Chemistry
Industrial Chemistry and
Materials Chemistry.

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 Institute.

II. PHYSICS

Nanotechnology, Optical Fiber
Communication and Quantum
Theory.

FOR SC/ST/OBC CATEGORY CANDIDATES
Master's 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.

III. MATHEMATICS

Complex Analysis, Wavelet Analysis
and Operation Research.

Mode of Selection:
Screening, Test and interview/counseling by
respective Departments of NIT Srinagar

B) Field of Specialization :
IV. Faculty of Engineering

a) Electronics & Communication Engineering

Image Processing, Networks, Data Security, Biometrics, Analog/Digital Communication and related Fields, Analog and Digital MOS Device Modeling and Simulation, Radio Frequency IC Design, Novel MOS device for ULSI applications, MOS insulators; Study of MOS Insulation and Molecular Nanoscience and Electronics

b) Computer Sciences & Engg
 Computer Architecture and System Design, Data Base Design Issues and Management and Theoretical Computer Science.

c) Civil Engineering:

Structural Engineering/
 Earthquake Engineering,
 Water Resource Engineering,
 Geotechnical Engineering,
 Transportation/Traffic Engineering;
 Engineering Seismology/
 Engineering Geology.

c) Electrical Engineering:

Intelligent Control, Application Of Fuzzy Logic Neural Networks & Genetic Algorithms, Automatic Control, Power System Dynamics & Control, Stand Alone Power System, Application of Energy storage Devices to power systems, Self Excited & Doubly Fed Induction Generators for Renewable energy, Power System Optimization, Energy System Planning & Modeling, Non Conventional Energy Sources, Application of Energy Storage Devices Wind Energy Conversion System, Power Electronics, Power Quality Drives Flexible and AC Transmission System (FACTS)

d) Mechanical Engineering:

Designs of Structures, Dynamics of Structures, Tribology, Lubrication, Nano Lubrication, Nano Materials, Nano Ceramics, LCD, Fatigue, Fracture Mechanics, Thermo Elasticity, Wave motion Tribology and Maintenance Engineering, Smart Structures, Continuum Mechanics, Composite Structures, Vibration Control and Internal combustion Engines , Fluid Mechanics and Machinery, Gas Dynamics and Non-Conversional Energy

Eligibility

FOR GENERAL CATEGORY CANDIDATES

1. 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.

FOR SC/ST/OBC CATEGORY CANDIDATES

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

Mode of Selection:

Screening, Test and interview/counseling

e) Metallurgy and Materials Engg.

Mechanical Metallurgy, Foundry Technology, Physical Metallurgy, Corrosion and Process Metallurgy.

f) Chemical Engineering:

Chemical Engineering, Biochem Engineering and Environmental Engineering.

Notes:

1. The candidates appearing in final Semester of M.Sc. / M. Tech can also apply. However, they have to produce their result notification / provisional certificate on or before 31.07.2012; failing which their selection/enrollment shall stand cancelled.

2. Sponsored Candidates (Full Time/Part Time)

Sponsored Full Time/Part Time candidates must produce 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 enrollment for completing course work etc.
- d) Internal faculty and Institute candidates will be exempted from any test and deputation order by this Institute.

Application forms can be obtained from the office of the Dean Academic Office, National Institute of Technology Srinagar, Hazratbal, Kashmir on payment of Rs.400/- , Rs.200/- for SC/ST candidates to be deposited in Account No. 106/CD in J&K Bank (NIT Srinagar) or through Bank Draft drawn in favour of Director, National Institute of Technology Srinagar.

Application forms can also be downloaded from our website www.nitsri.net and sent to Assistant Registrar (Academic) National Institute of Technology Srinagar alongwith the necessary Demand Draft for Rs.400/- (in case of SC/ST candidates Rs.200/-) drawn in favour of Director, National Institute of Technology Srinagar by or before **14.07.2012.**

Applications will be screened by concerned Departments and list of eligible candidates will be put on website www.nitsri.net. 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 Enrolment is complete.

Note for both M.Phil and Ph.D: Applications are invited for Enrolment only. Formal registration will be subject to clearance of research proposals as per Statutes. Part time for M.Phil is not applicable.

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

Dean,
Academic Affairs.

No.NIT/DAA/M.Phil/Ph.D/12/