



# NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

NIT CAMPUS POST, CALICUT, KERALA - 673 601, INDIA

## Information Brochure for Ph.D. Programmes December 2011-12

### GENERAL INFORMATION

#### ABOUT THE INSTITUTE

National Institute of Technology Calicut (NITC) is one of the premier national institutions for technical education in India. This was formerly known as Calicut Regional Engineering College. NITC is a technical institution of national importance set up by an Act of parliament (Act 29 of 2007) namely, the National Institute of Technology Act 2007, which received the assent of the President of India on 5th June, 2007. The provisions of the Act have come into force with effect from 15th August, 2007 as per Notification S.O.1384 (E) dated 9th August, 2007 of the MHRD (Dept. of Higher Education), New Delhi. As per the provision of the said Act, this Institution runs on non profitable basis. NITC offers academic programmes leading to B.Tech., B. Arch., M.Tech., MCA, M.Sc(Tech)., MBA and Ph.D. degrees in the appropriate disciplines. NITC has well-qualified faculty strength of 179 and dedicated support staff of about 228. Apart from teaching, NITC is engaged in a wide spectrum of activities covering research and development, industrial consultancy, continuing education and faculty & staff development.

#### MISSION

To develop high quality technical education and personnel with a sound footing on basic engineering principles, technical and managerial skills, innovative research capabilities and exemplary professional conduct to lead and to use technology for the progress of mankind, adapting themselves to the changing technological environment with the highest ethical values as the inner strength.

#### VISION

International standing of the highest caliber

#### LOCATION

Set in a picturesque landscape at the foothills of the Western Ghats, NITC is located about 22 km north-east of Calicut city in the state of Kerala, India. It stretches over a length of about 1.5 km along the Calicut-Mukkam road, extending over an area of approximately 120 hectares. The nearest airport is Calicut which is about 45 km away from the campus.

#### INFRASTRUCTURE FACILITIES

The Institute has well equipped library, computer centre, seminar halls, lecture hall complexes, various laboratories in different departments, workshops, hostels for accommodating about 2000 students, health care centre and adequate facilities for sports, games and co-curricular activities. The Institute has a state-of-the-art library consisting of digital library, NALANDA (Network of Automated Library AND Archives) and a conventional library of books, journals and bound volumes. The main computer centre, which is open 24 hours a day, has all the relevant software packages and latest computers with internet facilities. To provide service to the campus residents, State Bank of India, Post Office, Canteen & Co-operative Store are also functioning in the campus.

#### CO-CURRICULAR ACTIVITIES

Students' chapter of many professional bodies such as Computer Society of India (CSI), Indian Society for Technical Education (ISTE), Institute of Electrical & Electronics Engineers (IEEE) and Institution of Engineers (India) are functioning at NIT Calicut. In previous years, NITC won the best chapter award for CSI as well as ISTE. The Centre for Value Education provides students, a unique opportunity to engage in activities that promote human values. Social work is a part of curriculum. Students get opportunities to take part in cultural and other activities through a number of clubs such as Literary & Debating Club, Industrial & Planning Forum, Nature Club, etc. operating under the Students Council. Students annually organise cultural festival *Ragam* and technical festival *Tathva* in which students from all over India participate.

## STUDENT SUPPORT SERVICES

The Institute has Training, Placement & Linkage department that looks after the training needs of the students, their placement of jobs on graduation and for partnership in industry. An Entrepreneurship Development Cell promotes the students for self-employment. A Technology Business Incubator (TBI) with the assistance from Department of Science and Technology, Government of India is being established. TBI helps in incubating knowledge based start-ups into sustainable business with single window system.

## DISTINGUISHED ALUMNI

A vast majority of the former students have made immense impact in the professional areas such as academics, administrative services, research laboratories, government and private industries. A strong network of alumni thrives in India as well as in foreign countries and is known as RECCAA.

## ADMISSION TO Ph.D. PROGRAMMES

### INTRODUCTION

Facility for doing research leading to Ph.D. degree is available in the following departments /Schools:

### Ph.D. PROGRAMMES

Department/School	Code
Architecture	AR
Biotechnology	BT
Chemical Engineering	CH
Chemistry	CY
Civil Engineering	CE
Electrical Engineering	EE
Electronics Engineering	EC
Management Studies	MS
Mathematics	MA
Mechanical Engineering	ME
Nanoscience and Technology	NS
Physics	PH

Admission to the Ph.D. programmes will be in the following schemes: (i) Full-time (FT) (ii) Part-time (PT) (iii) Internal (IN) and (iv) External (EX).

Ph.D. fellowships are available for candidates under Full-time scheme.

For the Part-time and External schemes of registration, the applicant must be an employee of a recognized institution/organization with at least **two years** of service and be engaged in professional work in the area to which admission is sought.

Candidates under Part-time scheme will have to submit no objection certificate from the Head of the institution.

External registration is available only for candidates sponsored by and employed in recognized research institutions such as Research and Development Organizations / National Laboratories/ and Industries having R & D facilities recognized by Department of Science and Technology. A candidate applying for admission to the external registration programme must provide detailed information about the research facilities available at his/her organization and must produce a certificate from a competent authority specifying that these facilities would be available to him/her for carrying out research. He/She should also provide the bio-data of the prospective supervisor who would supervise the candidate's work at his/her organization. External registration will be granted only when a qualified research guide is available in the sponsoring institution and is willing to guide the candidate along with a guide in NITC. Candidates from educational institution are not eligible under external scheme.

Registration under Internal (IN) scheme is available only to full time/contract employees of NITC.

## **ELIGIBILITY AND ACADEMIC REQUIREMENTS FOR ADMISSION TO Ph.D. PROGRAMMES**

The candidates for Ph.D. Programmes may be offered admission, based on certain minimum academic requirements to be satisfied by the candidates as given below:

The maximum age for admission to Ph.D. programme is 50 years.

### **I. Faculty of Engineering:**

M.Tech. Degree in Engineering/Technology in the appropriate branch of study with first class or minimum 60% marks (CGPA 6.5/10) [For SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)].

### **II. Faculty of Architecture:**

Master's degree in Architecture/Design/Planning/Engineering/Technology or its equivalent with first class or minimum 60% marks (CGPA 6.5/10) [For SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)].

### **III. Faculty of Nanoscience & Technology**

M.Tech. Degree in any discipline of Engineering/Technology/Nanoscience & Technology with first class or minimum 60% marks (CGPA 6.5/10) [For SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)].

**OR**

Master's degree in Chemistry/Physics/Life science/Nanoscience and Technology with first class or minimum 60 % marks (CGPA 6.5/10) or equivalent, [for SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)] and a valid GATE score or UGC/CSIR/NBHM/NET/KCSTE fellowship in the relevant area, tenable from the current year.

Candidates applying for External and Part-time scheme of registration do not require GATE score or UGC/CSIR/NBHM/NET/KSCTE fellowship.

### **IV. Faculty of Biotechnology**

M.Tech. Degree in Biotechnology/Life Science with first class or minimum 60% marks (CGPA 6.5/10) [For SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)].

**OR**

Master's degree in Life science with first class or minimum 60 % marks (CGPA 6.5/10) or equivalent, [for SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)] and a valid GATE score or fellowships such as UGC/CSIR/NBHM/NET/KCSTE in the relevant area, tenable from the current year.

Candidates applying for External and Part-time scheme of registration do not require GATE score or fellowships such as UGC/CSIR/NBHM/NET/KCSTE etc.

### **V. Faculty of Science (Chemistry, Physics and Mathematics)**

Master's degree in Mathematics/Statistics/Chemistry/Physics/Electronics/Computer Science & Applications/ Nano Science & Technology/ Material Science/ Photonics OR M.Tech in relevant disciplines related to the major areas of research available in the department with first or minimum 60% marks (CGPA 6.5/10) or equivalent, (for SC/ST candidates, the minimum mark is 50% (CGPA 5.5/10)] and a valid GATE score or UGC/CSIR/NBHM/NET/JEST/KCSTE fellowship in the relevant areas tenable from the current year.

Candidates applying for External and Part-time scheme of registration do not require GATE score or UGC/CSIR/NBHM/NET/JEST/KCSTE fellowship.

### **VI. Faculty of Management Studies**

Post graduate degree in relevant area with a minimum of first class or equivalent grade from an institution recognized by UGC/AICTE. [For SC/ST candidates the minimum shall be a second class or equivalent grade). In addition, the candidates should have a valid UGC/NET/CSIR/JRF fellowship in the relevant areas tenable from the current year.

Candidates who have master's degree in engineering and technology with GATE score, OR applying for internal/external/part-time scheme of registration, OR have managerial experience for not less than five years do not require UGC/NET/CSIR/JRF fellowship.

## SELECTION OF CANDIDATES

The admission to Ph.D. Programmes will be on the basis of written test and/or interview, by the respective Department/School.

## SALIENT FEATURES OF Ph.D. PROGRAMMES

Ph.D. Programmes of the Institute are structured around certain minimum number of theory courses, which have to be passed by the scholars, a comprehensive viva-voce examination, a pre-Ph.D. examination and a Thesis work, which will be examined by a Thesis Board and an Oral Board. Only on the basis of the successful completion of all the Graduation Requirements, a scholar will be awarded Ph.D. degree by the Board of Governors of the Institute based on the recommendation of the Senate.

### Semester Registration

Every scholar whether working on Full Time or Internal or External or Part-time registration scheme will have to register every semester till the submission of thesis, by payment of tuition and other fees as applicable, on the date announced for registration. Generally, registration for Monsoon semester will be in July/August and Winter semester in December/January.

### Course Work and Thesis Work Requirements

Each scholar admitted to Ph.D. programme must necessarily earn a certain minimum number of credits through course work and research work as given in the table below:

Minimum qualification at the time of admission	Minimum no. of courses to be credited	Minimum period for thesis submission		Maximum period for thesis submission	
		Full-time	Internal, External & Part-time	Full-time	Internal, External & Part-time
M.Tech./ M.Arch. / M.Plng.	4	3 years	3 years	5years	7 years
M.Sc./M.A	5	3 years	3 years	5 years	7 years

All research scholars will have to credit all the courses prescribed for study and obtain a minimum letter grade of C in each subject and must obtain at least an overall CGPA of 7.0. **The minimum residential requirement for External and Part-time Scheme Scholars is one semester.**

**Monitoring the Work and Progress:** Each research scholar will be assigned a Supervisor (Not more than two) by the Department. The work and progress of the scholars will be monitored by a Doctoral Committee specially appointed for each scholar. Only with the approval of the Doctoral Committee, the courses of study shall be prescribed and the Doctoral Thesis approved for submission. The work and progress of the scholars in each semester will be assessed by the Doctoral Committee and the thesis supervisor and only on satisfactory progress as approved by the Doctoral Committee, the scholars will be allowed to continue in the programme.

**Eligibility for the Award of Degree:** The Ph.D. thesis submitted by the scholar will be evaluated by two external examiners, one from India and another from abroad, both being experts in the concerned area of the research. On receipt of satisfactory thesis evaluation reports from both the examiners, an Oral Examination Board will be constituted by the Chairman Senate for the conduct of the thesis defense /oral examination. The members of the Board will include one of the external examiners, thesis supervisor(s) and another examiner appointed by the Chairman of the Senate with the Head of the Department (if he is a guide then the former Head) as Chairman. The scholar will be declared eligible for the award of the degree only if the Oral Examination Board recommends the same after successful defense of the thesis and has completed other requirements as per the Ph.D. regulations.

**Graduation Requirements:** All Ph.D. scholars irrespective of the type of registration will have to complete the following requirements for Graduation:

- Credited the minimum number of theory courses prescribed and earned the minimum CGPA stipulated
- Successfully completed the Comprehensive Viva-Voce Examination

- Presented a Work on Account report and completed the Pre-Ph.D. Examination
- Successfully presented an Open Defense of his/her thesis
- Obtained positive recommendations both from the external examiners and the Oral Examination Board

## FINANCIAL REQUIREMENTS\*\*

### (a) Institute Fee

(a) Institute Fee: Fee Category	All Open, SC/ST & Sponsored Candidates
<b>Tuition Fee (per semester)</b>	Rs. 17,500
<b>Caution Deposit</b>	Rs. 1,000
<b>Examination Fee</b>	Rs. 800
<b>Other Fees:</b>	
Admission Fee	200
Library Fee	1000
Development Fee	1500
Students Group	600
Other Fees	200
Matriculation & Recognition	100
Sports Affiliation Fee	300
Students Welfare	300
Amenities Fee	300
Magazine Fee	75
SJET, PTA, RECCA, Dept. Assn. & Co-op.Share	762
Registration Fee	400
	Rs. 5,737
*Annual premium for Mediclaim	265
<b>Total amount to be paid at the time of admission:</b>	<b>Rs. 25,302/-</b>

\* **Mediclaim amount may change**

### (b) Hostel Fees - For all categories of candidates:

One Time Fee (Hostel Staff Welfare Fund, Student Amenities/Welfare Fund, etc.)	: Rs. 2,000/-
Caution Deposit	: Rs. 11,000/-
Total amount to be paid at the time of admission	: <b>Rs. 13,000/-</b>

*Hostel room rent and mess charges payable every month extra.*

\*\* Financial Requirements are subject to change.

## FINANCIAL ASSISTANCE

A few research fellowships are available to full time research scholars who are not receiving any financial support/ scholarship from other Agencies or State or Central Governments. They are required to assist the Department in the academic work for at least 8 hours per week as per guidelines issued by the Ministry of Human Resources and Development, Govt. of India, in addition to satisfying other conditions for the award /renewal of the fellowship.

The present rates of fellowships are as follows:

Department/ Discipline	I & II Years	III & IV Year
Ph.D. in Engineering	Rs 18,000/ p.m	Rs. 20,000/p.m
Ph.D. in Sciences & Management Studies	Rs 16,000/ p.m	Rs. 18,000/p.m

This facility will not be available to UGC/CSIR/NBHM/NET/JEST etc. Fellowship holders. However, those who are awarded UGC/CSIR/NET/NBHM/ JEST etc. can enjoy the Doctoral Fellowships once admitted to the Ph.D. programme.

# MAJOR AREAS OF RESEARCH

## ARCHITECTURE

- Assessment of Functional Performance in Building
- Energy efficiency in Building
- Sustainable Architecture
- Landscape Design and Interior Design
- Urban Design
- Architectural Conservation
- Conservation of Historic Monuments
- Low Cost Housing Materials/Techniques
- Earth Architecture & Green Buildings
- Traditional Architecture
- Standardization of Traditional Construction Materials & Techniques
- Masonry Materials & Techniques
- Resource Mapping for Local bodies
- Watershed Planning
- Remote Sensing & GIS Application in Planning
- Coastal Zone Planning and Management
- Project Management of Buildings
- Urban and Regional Development & Planning
- Transportation Planning
- Environmental Planning and Impact Assessment
- Planning Information System Development
- Disaster Management
- Housing Policies & Management
- Community Housing and Settlement Planning

## BIOTECHNOLOGY

- Gene Regulation
- Molecular Genetics
- Protein Folding
- Protein Engineering
- Genetic Engineering
- Biomodeling and Drug Design
- Plant Molecular Biology
- Neurobiology
- Immuno –Technology
- Bio-separation Techniques
- Computational Fluid Dynamics
- Enzyme Technology
- Cell Biology
- Cancer Research

## CHEMICAL ENGINEERING

- Air and Water Quality Modeling
- Bio-separation Techniques
- Computational Fluid Dynamics
- Effluent Treatment
- fluidized Bed Reactor
- Heat Transfer
- Mass Transfer
- Membrane Separations
- Micro-fluidics
- Modeling and Simulation

- Multiphase Flow
- Petroleum Engineering
- Polymer Technology
- Process Control
- Renewable Energy
- Separation Techniques
- Safety Engineering
- Wastewater Treatment

## **CHEMISTRY**

- Surface Chemistry
- Soft Materials
- Development of Polymer Products
- Multiphase Polymer Systems, Nano - composites
- Biomaterials
- Polymer Nanocomposites
- Liquid Crystal Displays
- Transport Process through Membranes
- Nanostructured Materials
- Fluorescent Probes for Bioapplications
- DNA – binding Polypyridyls
- Luminescent Lanthanides
- Theoretical and Computational Chemistry
- Bio-organic Chemistry
- Bio-inorganic Chemistry
- Bioactive Metal Complexes

## **CIVIL ENGINEERING**

- Planning (Physical Environment & Infrastructure)
- Architectural Design of Buildings
- Structural Design and Detailing
- Design for Building Services
- Foundation Engineering
- Environmental Engineering
- Traffic and Transportation Planning
- Offshore Structures
- Wave Hydrodynamics
- Water Resources Engineering
- Planning and Design of Harbours
- Earthquake Engineering
- Dynamics of Structures
- Rehabilitation of Structures
- Computational Structural Mechanics
- Construction Project Management
- Construction Risk Assessment

## **ELECTRICAL ENGINEERING**

### **Power & Energy Systems:**

- Power Quality/FACTS/Custom power devices
- Power System Economics, Operation and Control
- Power System Stability & Reliability
- Protection Systems
- Renewable Energy/ Distributed Generations

- Smart Grid Engineering
- High Voltage Engineering
- Nano Technology Application in Power Systems

#### **Electrical Machines & Power Electronics:**

- BLDC Machines & Applications
- Electrical Drives and Control
- Industrial Electronics
- Switched Mode Power Supplies/ UPS Systems

#### **Control and Signal Processing:**

- Linear/ Non-linear/ Robust Control Systems
- Adaptive and Optimal Control
- Signals & Systems
- System Modeling and Identification
- DSP Based Systems & Applications
- Bio-signal Processing
- Biomedical Applications
- Multi-variable/ Sliding Mode Control and Robotics

#### **Industrial Power & Automation:**

- Energy Efficiency Auditing & Management
- Load Modeling Control & Management
- Cogeneration & Industrial Micro Grids
- SCADA/Distributed Control System Application
- Process Modeling Control & Automation
- Industrial Power Optimization

### **ELECTRONICS & COMMUNICATIONS ENGINEERING**

- Digital Signal Processing
  - Speech and Audio Processing
  - Digital Filter Banks
  - Image and Video Processing
  - Signal Theory
  - Multirate Signal Processing
- Communications
  - Communication Networks
  - Wireless Communications
  - Wireless Networks
  - Secure Communications
  - Optical Communications
  - OFDM and MIMO systems
- VLSI and Micro - Electronics
  - RF Electronics
  - Micro - Electronic Circuits
  - Nano – Electronics
  - Semi Conductor Devices

### **MATHEMATICS**

- Algebraic graph Theory
- Applied Statistics
- Computational Fluid Dynamics and Scientific Computing
- Fractal Geometry
- Functional Analysis
- Fuzzy Graph Theory and Fuzzy Topology
- Graph Theory

- Multiset Theory
- Numerical Analysis and Scientific Computing
- Operator Theory
- Optimization Techniques
- Statistical Inference
- Stochastic Processes
- Time Series Analysis
- Reliability of Systems

## **MECHANICAL ENGINEERING**

- Stress Analysis and Vibrations
- Production Engineering
- Machine Tool Design
- Refrigeration and Air Conditioning
- Industrial Engineering
- System Modelling and Simulation
- Materials Management
- Plant Design
- Group Technology & Cellular Manufacturing
- Financial Management
- Material Requirements Planning
- TQM and ISO 9000
- Residual Stresses
- Gas and Liquid Chromatography
- Thermal Engineering and I. C. Engines
- Atmospheric Pollution Control
- Renewable Energy Systems
- Solar Energy Utilization
- CAD/CAM
- Robotics
- Mechatronics
- Metal Casting, Joining and Forming
- Powder Metallurgy
- Tribology
- Bio-Mechanics
- Co - ordinate Metrology
- Micro - Machining
- CNC Machining
- Energy Management
- Metal Cutting
- Computer Aided Inspection
- Machining of Composite Materials
- Rapid Prototyping
- Biomass Utilization
- Fuel Cell

## **MANAGEMENT STUDIES**

- Business Analysis
- Financial Management
- Human Resource Management
- Marketing Management
- Production and Operations Management
- Strategic Management
- Humanities and Social Sciences

## **SCHOOL OF NANO SCIENCE AND TECHNOLOGY**

- Nanomaterials and their applications
- Nanosensors
- Thin films-fabrication and applications
- Liquid Crystal Display
- Polymer Technology
- Nano Characterization & Fabrication
- Nanofluids
- Nanocatalysis
- Interferometry
- Nonvolatile Memory
- Nanoscale Thermophysics
- Microfluidics & Nanofluidics
- Direct Simulation Monte Carlo
- Rarefied Gas Dynamics
- Micro Electro Mechanical Systems (MEMS)
- Molecular Dynamics

## **PHYSICS**

- Unconventional Electronics & Photonics:  
Organic, Molecular & Hybrid Electronics
- Plastics Solar Cells & LEDs
- Polymer Memories & Actuators
- Fuel cells & Super Capacitors
- Photonic Band Gap Materials
- Advanced Materials
- Conducting Polymers
- Super Conductor/ Polymer Composites
- Semi Conducting Glasses & Polymer Nano Composites
- Computational Physics: Device modeling & Simulation
- Electronic Structure
- Low Dimensional Systems
- Electron Spin Resonance
- Laser and Nonlinear Optics, Nano Photonics
- Spectroscopy & Atmospheric optics
- Graphene Photonics
- Critical point phenomena
- Non linear dynamics
- Semi conductor nano structures

## **CENTRE FOR BIO - MECHANICS**

- Development of External Fixators
- Kinematics and Kinetics of Wrist
- Joints under Normal and Abnormal Conditions
- Correction of Clubfoot Deformities
- Study on Visco-elastic Properties of Human Skin
- Health Related Physical Fitness Norms
- Development of Artificial Limbs for Physically Handicapped patients with Amputations

## HOW TO APPLY?

1. Apply online. The instructions for online submission of application are available in the admission webpage.
2. Before you start filling-in the online application form, keep the following documents ready with you
  - 10<sup>th</sup> class certificate
  - Mark list of the under graduate and post graduate degree course and diploma (for lateral entry candidate)
  - Demand Draft towards application fee
3. The online application form is best viewed with Internet Explorer 6 or higher. On submission of online application, a printout of the application has to be taken. To view 'the application to be printed', you require an Adobe Acrobat Reader 6 or higher.
4. Candidates applying for admission to different departments / schools will have to write the corresponding codes in the appropriate columns in the Application Form. If a candidate is applying for more than one department/school, submit separate application.
5. A passport size photograph taken not earlier than 3 months is to be affixed on the Application Form. The photo in the application should be self-attested. Additional six copies of the same photograph and one stamp size photograph should be produced at the time of counselling/admission.
6. **Demand Draft towards application fee (Rs. 600/- for Open and OBC candidates, Rs. 300/- for SC/ST candidates) drawn in favour of "Director NIT Calicut" payable at State Bank of India, NIT Calicut Branch (Code No. 2207) is to be enclosed.**
7. The following documents arranged in the order given below should be enclosed along with the application (whichever is applicable):
  - i. Self attested copy of valid GATE score or UGC/CSIR/NBHM/NET/JEST fellowship in the relevant areas tenable from the current year, if applicable.
  - ii. Self attested copy of mark lists & degree certificate of the qualifying examination.
  - iii. Course completion certificate from the Head of the Institution in the prescribed format and attested copies of mark lists, in the case of candidates who have appeared or will be appearing in the qualifying examination. This is also applicable to candidates who have not procured the provisional/degree certificate.
  - iv. Self attested copy of Under Graduate Degree certificate and Mark sheets
  - v. Self attested copy of proof of date of birth
  - vi. Self attested copy of community certificate in the case of SC/ST candidates from a competent authority (not below the rank of a Tahsildar).
  - vii. Self attested copy of community certificate in the case of OBC candidates from a competent authority (not below the rank of a Tahsildar) indicating the status regarding Creamy Layer for the financial year ending March 2011.
  - viii. Self attested copy of experience certificate.
  - ix. Research Proposal (use separate single sheet, 500 words approximately)
  - x. Sponsorship certificate duly filled by the sponsoring authority on their letter head with the seal of the sponsoring authority in the prescribed format, in the case of external candidate.
  - xi. The following additional documents, are necessary in the case of external candidates: (a) Details regarding the research facilities available at his/her organization for his/her research work (b) Certificate from the head of the institute/competent authority stating that these facilities will be made available to him/her if required for carrying out research and that he/she will be granted leave for completing the course/residential requirements at NIT Calicut as per Ph.D. regulations of the Institute (c) Bio-Data of the prospective supervisor who would supervise the candidate's work at his/her organization (d) Prospective supervisor's consent letter.
  - xii. No objection certificate duly signed by the Head of the institution, in the case of part-time candidate. (In the case of internal candidates, a No Objection Certificate from the Head of the department).
  - xiii. Self attested copy of list of AICTE recognized short-term courses attended.

- xiv. Self attested copy of all research publications in journals and conferences.
- xv. Demand draft towards application fee as per the category of the candidate.
8. **Printout of the Application with all the above enclosures should be sent (in A4 size cover) by Registered Post/ Speed Post so as to reach the Chairperson – PG Admissions, National Institute of Technology Calicut, NIT Campus PO, Calicut - 673 601, Kerala on or before 8-11-2011.**
9. The status regarding receipt of application with demand draft & other documents at NIT Calicut and eligibility for test/ interview will be available in our website in due course. **No separate call letter for test/ interview will be dispatched.**

#### **IMPORTANT DATES (Tentative)**

<b>Events</b>	<b>Dates</b>
Availability of Online Application in website	04.10.2011
Last Date for Receipt of Completed Applications	08.11.2011
Test / Interview	28.11.2011 to 02.12.2011
Date of Admission and Reporting for the Programme*	21.12.2011
Registration	26.12.2011
Commencement of Classes	28.12.2011

\* The candidate is to be present in the department from date of reporting onwards.

#### **LEGAL JURISDICTION**

All disputes pertaining to the counselling and admission for the Ph.D. programme of NIT Calicut shall fall within the jurisdiction of Calicut, Kerala only.

#### **DISCLAIMER**

The statement made in the information brochure and all other information contained herein is believed to be correct at the time of publication. However, the Institute reserves the right to make at any time without notice, changes in and additions to the regulations, conditions governing the admission, requirements, seats, fees and any other information, or statements contained in this information brochure. No responsibility will be accepted by the Institute/Chairperson-Admissions for hardship or expenses encountered by its students/any other person for such changes, additions, omissions or errors, no matter how they are caused.

#### **Address for Correspondence**

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**Website: <http://www.nitc.ac.in/nitc/admission/index.htm>**