NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
MANGALURU-575 025, KARNATAKA

Ph:0824-2474000-2474023 Fax: 91-824-2474033, 2474039
Website: http://www.nitk.ac.in

No: Advt./Faculty-NITK/Estt./2017/B1   **Date: 06.01.2017**

RECRUITMENT FOR FACULTY POSITIONS

Online applications are invited from qualified Indian Nationals for faculty positions in various disciplines. Applicants with earned Ph.D. and having consistently good academic record and motivated with a commitment to teaching, research, outreach and institutional development may apply. Reservations for SC/ST/OBC/PwD candidates will be applicable as per the Govt. of India norms. Please visit the Institute website: www.nitk.ac.in for online application form and general instructions.

Conditions:

1. **Candidates willing to apply for one or more posts (in case of different Departments) are requested to apply separately. Online link is given in the website.**

2. **Printout of the filled application form along with all self attested documents viz. Certificate/Marksheet/Testimonials should reach the office of the Registrar, N.I.T.K. Surathkal on or before 10.02.2017 by 5.30 p.m.**

3. **Earlier notification No:Advt./Faculty-NITK/Estt./2015/B1 dtd. November 12, 2015 stands cancelled. Those who have applied against the said notification need to apply again.**

Sd/-
REGISTRAR

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

RECRUITMENT FOR FACULTY POSITIONS

A) INSTRUCTIONS / INFORMATION TO CANDIDATES:

a) Faculty positions are currently available in the following teaching departments :

1. Computer Engineering
2. Electrical & Electronics Engineering
3. Electronics & Communication Engineering
4. Information Technology Engineering
5. Metallurgical & Materials Engineering
6. Chemical Engineering
7. Civil Engineering
8. School of Management
9. Mathematical And Computational Sciences
10. Mechanical Engineering
11. Applied Mechanics and Hydraulics
12. Mining Engineering
13. Physics
14. Chemistry

b) The required qualifications and experience for various positions are given in Annexure I. Preferred areas of specializations in various departments are given in Annexure-II. However, candidates with other relevant areas of specializations may also be considered.

c) Candidates applying for more than one Department are required to submit separate application forms.

d) Reservation for SC/ST/OBC as per Central Govt. Rules. Candidates belonging to SC/ST/OBC categories should attach certificate obtained from Revenue Authorities not below the rank of Tahasildar or from a First Class magistrate of the place of domicile of the candidates clearly authenticating the category to which they belong. Applicant belonging to OBC category but coming in creamy layer will not be entitled for the benefit of reservation and should apply as general category candidates.

e) Reservation for PWD exists as per Govt. of India norms. The persons with disability (PWD) shall be required to submit the medical certificate in the prescribed form issued by the competent authorities for the purpose of employment as per GOI norms along with their application. Persons suffering from not less than 40% of the disability shall only be eligible for the benefit of reservation.

f) Candidates with Ph.D. from NITK can apply only after having at least 3 years Post-Doctoral experience outside NITK. However, this is not applicable to the candidates who are already regular faculty members of NITK

g) Besides the basic pay in the applicable pay band of the respective positions, admissible allowances like DA, HRA, CCA etc are payable in accordance with Central Government / Institute Rules in force from time to time.

h) Experienced and meritorious candidates may be granted higher pay on recommendation of the Selection Committee.

i) The Institute reserves the right to offer some of the positions on Regular / Contract / Deputation basis. The appointments on contract / deputation shall be for a maximum period of 5 years.

j) Mere fulfillment of the required qualifications and experience, does not entitle a candidate to be called for interview / selection. The Institute reserves the right to fill or not fill any of the positions.

k) The number of positions may also vary as per the need of the Institute at the time of recruitment.

l) The Screening committee shall shortlist the eligible and most desirable candidates to be called for interview from amongst the applicants, based on specialization, availability of candidates, and requirements of the departments. In doing so it shall not be bound by the options exercised by the applicants.

m) The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit, on the basis of qualifications and experience higher than those prescribed in this advertisement.

n) All Degree Certificates should be from recognized Universities / Institutes.

o) Candidates in Govt. service should send their applications through proper channel. If original application is routed through proper channel, a photocopy of the application should be sent in advance before the prescribed last date. Such candidates are required to produce "**No Objection Certificate**" at the time of interview, failing which they may not be considered for interview.

p) SC / ST/ PWD candidates called for Written Test and / or Interview shall be reimbursed as per Govt. of India norms for the to and fro journey by the shortest route from their correspondence address / working Place in India subject to production of ticket(s) & proof of working/ residence in case they are travelling from the place of working in India and self attested documents in support of eligibility. The PWD candidates will be reimbursed travel cost as above and for an attendant also, wherever applicable, as per Govt. of India guidelines. However, local travel cost, if any, shall be borne by the candidates.

q) Selected candidates should be prepared to join duty within the time granted.

r) The newly recruited faculty are encouraged / supported to take up R&D activities with financial support, like seed grant, and professional development allowance as per Institute norms.

s) Candidates are advised to browse the Institute Website: www.nitk.ac.in for other relevant information.

t) All applicants are required to mention one valid E-Mail ID. Interview call letters to eligible candidates will be issued through their E-Mail ID only. List of eligible candidates called for written test and /or Interview will be uploaded in the Institute website.

u) No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview / outcome of interview.

v) The candidate is responsible for the correctness of the information provided in the application. If it is found, at a later date, that any information given in the application is incorrect / false, the candidature / appointment is liable to be cancelled / terminated.

w) Any dispute regarding the selection/ recruitment process will be subject to courts/ Tribunal having jurisdiction over Mangaluru.

x) Candidates may be required to make a brief technical presentation at the time of interview.

y) Applications not in the prescribed form will not be entertained. Self attested copies of the following documents must be attached:

1. Degree certificates
2. Marks / Grade cards at all levels starting from SSLC
3. SSLC & PUC (10 and 10 + 2) certificate
4. Copy of the Category Certificate.
5. Experience certificate
6. Certificates of Conferences / Seminars /Summer/Winter schools attended during the last five years.

z) Please enclose a detailed academic profile including the following information

1. Details of publications / conference papers presented listing publications and presentations chronologically giving details of: Names of authors, title of the paper, name of the journal/conference, volume / proceedings, pages, year etc. in Journals and Conferences.
2. **Attach copies of three best (in your opinion) Refereed papers**
3. Details of Awards, patents, prizes etc.: Nature and name of Prize/Award, Name of the patent, year and details about the patent etc.
4. Details of Research guidance (Ph.D /M.S./M.Tech.,/M.Sc./MBA) : Research degree, name of the scholar, title of thesis, year of award, co-guide, if any, etc.
5. Details of research/consultancy projects carried out: Title of the project, duration, sponsor, quantum of funds, co-investigators, if any, etc.
6. Other activities: Text books and Monographs written with publication details,
7. Continuing Education Programmes /Conferences organized.
8. Any other relevant information concerning your academic standing.

How to apply :

> **All PDF Printout of the applications should be sent through Speed Post / Registered Post in sealed envelope super scribed 'Application for post of ……………… in the Department of ……………………...............' on or before February 10, 2017 (Friday) by 5.30 p.m.**
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> **To:**
> **The Registrar,**
> **National Institute of Technology Karnataka, Surathkal,**
> **MANGALURU–575 025,**
> **KARNATAKA, INDIA.**

As per 4-tier Flexible Faculty Structure entire set

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NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
RECRUITMENT OF FACULTY POSITION
Specializations required for Faculty Position in various Departments

Sl. No.	Department	Areas of Specialization
1.	Civil Engineering	• Structural Engineering, • Geotechnical Engineering, • Transportation Engineering, • Construction Technology & Management, • Environmental Engineering, • Engineering Geology & Mining Geology.
2.	Mining Engineering	Rock Mechanics/ Mine Environmental Engineering/ Geo Informatics.
3.	Applied Mechanics & Hydraulics	a. Remote Sensing and GIS- Application in Coastal Engineering / Ocean Engineering / Offshore Engineering/ Hydraulics/Water resources Engineering and Management/ Natural Resources Mapping and Management. b. Coastal/Ocean/Offshore Engineering /Marine Structures c. Hydraulics/Water Resources Engineering & Management.
4.	Metallurgical & Materials Engineering	Metal Casting/Solidification/Mineral Beneficiation/Extractive Metallurgy/ Iron and Steel Metallurgy/ Physical Metallurgy/ Biomaterials/ Mechanical Metallurgy Corrosion/ Powder Metallurgy
5.	Mechanical Engineering	Mechatronics/ Robotics/ CFD and Nanofluids /Machine Dynamics & Vibrations/Turbomachines/I.C. Engines & Combustion/CIM and Lean Manufacturing/Aerodynamics & Compressible flow/ Cryogenics/Precision Engineering/Materials Technology – Composites/Refrigeration and airconditioning.
6.	Physics	Bio-Physics, Soft Condensed Matter, High Energy Physics, Quantum Optics, Photonics, Plasma Physics, Astrophysics, Atomic and Molecular Physics, Computational Physics, Condensed Matter Physics, Cryogenic/Low Temperature Physic, Nanoelectronics, Space Physics.
7.	Chemical Engineering	Process Control, Transfer Operations, Biotechnology, Catalysis, Process Development, Particulate systems, Energy & Environmental Engineering.
8.	Chemistry	• Physical Chemistry. • Inorganic Chemistry.
9.	Information Technology	Data Structures and Algorithms / High Performance and Parallel Computing/ Human Centred Computing / Information

Sl. No.	Department	Areas of Specialization
		Security / Web Technologies / Database System / Computer Networks / Bio-inspired Computing / Cloud computing and Virtualization / Software Engineering / Distributed Computing / Soft computing / Data Analytics and Knowledge Discovery.
10.	MACS	Theoretical Computer Science, High Performance Computing, Software Engineering, Machine Learning, Big data Analysis, Cryptography, Algebra, Number Theory, Geometry, Statistics.
11.	Electronics & Communication Engineering	Communication systems and Networks / Analog, Digital and Mixed-signal Design / RF Circuits and Systems / Digital Signal Processing, Systems and Architectures / Embedded Systems and Architectures / Computer Architecture , Reconfigurable and Multi-core architectures and design / Sensors, Instrumentation and Control / Optical Communication Systems and Networks / Micro and Nano-electronics and Technology, Machine Learning/ Microwaves, Rader Engineering and Antenna Systems, IOT.
12.	Electrical & Electronics Engineering	Specialization in areas broadly under the Electrical Engineering spectrum especially in Electrical Power System, High Voltage Engineering, Electrical Machines, Signal Processing Applications to Power Systems, with under graduate & post graduate degree in Electrical Engineering.
13.	Computer Science & Engineering	Software Engineering, Human Computer Interface, Software Testing. Computer Networks, Distributed Computing, Cloud Computing, Grid Computing, Mobile Computing. Virtual Reality, Computer Graphics, Multimedia, Green Computing. Information Security, Cyber Security, Cryptography. Theoretical Foundations of Computer Science, Algorithmic Graph Theory and Complexity. Computer Architecture and Organization, High Performance Computing, Optical Networks & Broadband Communication. Operating System, Compilers. Artificial Intelligence system, Machine Learning, Robotics. Data Mining.
14.	School of Management	General Management / Economics / English / Human Resource Management / Marketing Management /Finance / Production and Operations Management / Information Systems and Analytics / Behavioural Sciences / Quantitative Techniques / International Business Management.