



NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR - 831014, JHARKHAND

(An Institution of National Importance under MHRD, Government of India)

Advertisement No: NIT JSR/ESTT/620 /2013

Date: 15/05/2013

Information Brochure for Appointment of Visiting Faculty / Adjunct faculty / Professor Emeritus

ABOUT THE INSTITUTE

National Institute of Technology Jamshedpur is one of the National Importance Institutions for technical education in India. This was formerly known as Regional Institute of Technology Jamshedpur and was established in 1960. National Institute of Technology (NIT) Jamshedpur is an Institution of National Importance set up by an Act of Parliament (Act 29 of 2007) namely, the National Institutes of Technology Act, 2007, which received the assent of the President of India on the 5th June, 2007. The provision of the Act has come into force with effect from 15th August, 2007 as per Notification S.O.1384 (E) dated 9th August, 2007 of the MHRD (Department of Higher Education), New Delhi. As per the provision of the said Act, this Institution runs on non profitable basis. NIT Jamshedpur offers academic programmes: B.Tech. (Hons.), M.Tech, MCA and Ph.D. in the various disciplines. NIT Jamshedpur has well qualified faculty and dedicated supporting staff.

1. Appointment of Visiting Faculty / Adjunct faculty / Professor Emeritus

Applications are invited from distinguished academic personnel / professionals from Institutes, R&D Labs, and Industry in India or abroad for effective teaching and commitment to enhance the research activities for the posts of **Visiting Faculty / Adjunct faculty / Professor Emeritus** in various Departments of the Institute: Chemistry, Civil Engineering, Computer Science and Engineering, Computer Applications, Electrical and Electronics Engineering, Electronics and Communication Engineering, Humanities, Manufacturing Engineering, Mathematics, Mechanical Engineering and Metallurgical and Materials Engineering.

1.1 Adjunct, Honorary, Chair, Emeritus, Visiting Faculty

In addition to its regular faculty, an institute may augment its intellectual capital by hiring additional scholastic resource through different types of secondary faculty positions. Such faculty members contribute significantly to the department in terms of sharing teaching tasks and enhancing research output. Academic contributions and decisions (e.g. award of grades) of such faculty members shall have the same legal validity as those of regular faculty members. The primary purpose of hiring adjunct, honorary, chair, emeritus and visiting faculty is to receive the honor of hosting distinguished professionals and academicians, and not off-loading of routine teaching activity. In contrast, the primary purpose behind hiring ad hoc, temporary or contractual faculty is to provide routine teaching services, particularly when adequate number of regular faculty are not available.

The appointing authority of adjunct, honorary and chair professors shall be the senate while that for emeritus professors and contractual faculty shall be the BOG considering that in the latter case Government money needs to be spent on salary. Director may appoint ad hoc and temporary faculty, who need to be given appointment at short notice and do not constitute a long term responsibility of the institute. The following guidelines will give the administrative details of hiring additional faculty.

(a) Adjunct Faculty

Reputed scientists, engineers, physicians, advocates, artists, civil servants, bankers and other professionals, both serving and retired(from active service), can be inducted as Adjunct faculty. They will bring reputation to the institute, add valuable expertise and practical knowledge and complement the knowledge pool of existing faculty. The following will be some broad guide lines for selection of adjunct faculty.

- (i) They must be persons of repute, comparable to at least the top one third of the regular faculty in professional expertise and reputation in their own fields and organizations.
- (ii) Adjunct faculty will supervise student projects at all levels - UG to Ph.D., carry out sponsored research and consultancy, and teach courses, all these activities either independently or in collaboration with a regular faculty. They may also be members of departmental committees, if their professional experience becomes useful. While teaching courses, they may take responsibility of a full semester-long course or only a part thereof in collaboration with a regular faculty. The degree of involvement will be worked out mutually by the adjunct faculty and the Institute.
- (iii) Adjunct faculty will be appointed by the senate on recommendation of a committee headed by the director. Duration of appointment shall be between 1 to 5 years.
- (iv) Adjunct faculty will be provided with office room, secretarial services and other facilities depending on their involvement in academic activities.
- (v) They shall receive the honorarium.
- (vi) Adjunct faculty may receive financial support at the discretion of the director to attend conferences in India or abroad for presenting their work done in the institute, if in the opinion of the director, he has contributed significantly to the institute's academic programme.

(b) Honorary Faculty

Institutes may honour distinguished academicians including its own retired faculty members by conferring on them the status of "Honorary Faculty". This status will be same as adjunct faculty except that:-

- (i) Honorary faculty will be drawn from distinguished persons retired from active service, including the Institute's own retired faculty, who commit to be engaged in substantial scholastic activity using facilities of the Institute and contribute academic services to the institute.
- (ii) Duration of appointment shall be "for 5 years" or "for life".
- (iii) Directors of institutes appointed by the visitor in accordance with the provisions of NIT Act and statutes will automatically be "Honorary faculty for life" on completion of their tenure of service, irrespective of their level of engagement in institute activity in future.

(c) Chair Professors

The Board may create a position of chair professor in a given department with or without a fixed specialization from money donated by an external agency or person. If sufficient funds are available to pay full salary and other benefits from the interest money, a new faculty post with terms identical to regular posts may be created. On the other hand, if limited funds are available, an existing regular faculty position or a secondary position under adjunct, honorary, visiting or contractual categories may be declared as an external chair where the donation received from the external agency will provide such benefits as top-up salary, travel grant or any other benefit to the incumbent.

(d) Professor Emeritus

Faculty superannuating from service in IITs and comparable institutions may be inducted by the Board as Professor Emeritus for a maximum period of 3 years. This provision is limited to faculty with suitable externally sponsored projects or comparable activities, in addition to shouldering normal teaching responsibilities. Such appointment shall be made against sanctioned faculty posts only.

(e) Visiting Faculty

Academic personnel from universities, institutes, R&D labs, industry or Government in India or abroad, including those on sabbatical leave from other institutions or retired, may be inducted into the institutions for brief periods (Maximum 2 years), with or without remuneration. Such faculty members are expected to work full time taking academic responsibilities at par with regular faculty members.

They may be appointed by Director on recommendation of the Head of the department, and a counterpart faculty member in the department who will serve as a host. Visiting faculty may be provided with mutually agreed honorarium and facilities (e.g. residential accommodation) on discretion of Director.

2. Desirable Academic and Professional Qualifications

The person should have Ph.D. degree with first class at the preceding degree or equivalent with a very good academic record throughout and with a minimum of 10 years' teaching / research / industrial experience of which at least 3 years should be at the level of Associate Professor in IITs, IISc Bangalore, and IISERs or at an equivalent level in any such other Indian or foreign institution / institutions of comparable standards.

(OR)

A person with minimum 15 years of industrial experience / R&D experience with a minimum Masters degree in Engineering / Computer Applications / Science discipline and with proven track record of being a researcher with commendable experience in research and development aspects in the relevant areas.

(OR)

Faculty superannuating from service in IITs and comparable institutions.

3. Departments and Specializations

Civil Engineering	<ul style="list-style-type: none"> • Construction Engineering and Management • Structural Engineering • Transportation Engineering • Fluid Mechanics and Machinery • Water Resources Engineering • Environmental Engineering • Surveying and Geo informatics • Surface and Groundwater Hydrology
Computer Science and Engineering	<ul style="list-style-type: none"> • Computer Architecture • High Performance Computing / Evolutionary Computing / Distributed Computing/ Mobile Computing / Cloud computing • Theoretical Computer Science • Computer Networks • Cryptography and Network Security • Operating Systems • Artificial Intelligence: Expert Systems, Computer Vision, Machine Learning, Natural language Programming • Data Mining and Warehousing • Network Security and Cyber Security
Electronics and Communication Engineering	<ul style="list-style-type: none"> • Communication Engineering • Computer Communication and Network Security • Signal Processing • Microelectronics • Instrumentation and Control • Analog and Digital Circuits • Wireless & Mobile Communication • VLSI Design and Embedded Systems • RF & Microwaves • Microprocessors
Mechanical Engineering	<ul style="list-style-type: none"> • Design Engineering (Applied Mechanics, Engineering and Machine drawing, Design of Machine elements, Mechanical Systems Design, Vibrations, Kinematics and Dynamics of Machines, Mechanics of solids, CAD, FEM)

	<ul style="list-style-type: none"> • I.C Engines and Automobile Engineering • Gas Turbines and Turbo Machinery • Materials Science and Technology • MEMS and Nanotechnology
Metallurgical and Materials Engineering	<ul style="list-style-type: none"> • Physical Metallurgy • Extractive Metallurgy • Bio-Hydro Metallurgy • Process Metallurgy • Industrial Metallurgy • Mechanical Metallurgy • Materials Science and Technology • Corrosion Engineering • Nanomaterials and Nanotechnology • Foundry Technology
Manufacturing Engineering	<ul style="list-style-type: none"> • Metal Cutting • Foundry Technology • Metal forming • Welding Technology • Cutting Tools and fixture Design • Product Design and Development • Mechatronics, CNC, Robotics and Automation • Optimization Techniques and Operations Research • Quality Control, Assurance and Reliability • Industrial Engineering • Manufacturing Excellence • Manufacturing Systems Engineering • Manufacturing Management • Sustainable Manufacturing • Lean Manufacturing
Computer Applications	<ul style="list-style-type: none"> • Networking and programming • DBMS • Software Engineering • MIS • Information Security • Applications of IT
Chemistry	<ul style="list-style-type: none"> • Inorganic Chemistry • Analytical Chemistry • Physical Chemistry • Organic Chemistry • Theoretical Chemistry • Computational Chemistry • Surface Science • Environmental Chemistry
Mathematics	<ul style="list-style-type: none"> • Discrete Mathematics • Statistics • Numerical Analysis • Differential Equations • Applied mathematics • Theoretical Computer Science • Computational Techniques and Programming
Humanities	<ul style="list-style-type: none"> • English language teaching • Linguistics • Communication Skills • Organizational Behaviour • Psychology • Sociology • Principles of Management • Human Resource Management • Professional Ethics • Economics • Financial Engineering / Management

4. Emoluments

- An Honorarium varying from Rs. 70,000 to Rs.1,00,000 per month based on Academic and Professional qualifications.
- Suitable residential accommodation will be provided

5. General Information

- Mere eligibility will not vest any right on any candidate for being called for interview. The decision of the Institute in all matters will be final. No correspondence will be entertained from the candidates in connection with the process of selection / interview. Canvassing in any manner would entail disqualification of the candidature.
- The Institute reserves the right to call only the requisite number of candidates for interview after short listing with reference to the candidate's qualification, suitability, experience etc. However, the experience criteria may be relaxed for exceptionally meritorious candidates.
- The Institute reserves the right to fill or not to fill the post advertised.
- Those already employed should apply through proper channel. However, they may submit an advance copy to meet the deadline set for receiving the application.
- Candidates possessing the requisite qualification & experience may submit their application in the prescribed form by the Institute which can be downloaded from the Institute Website (www.nitjsr.ac.in).
- The filled-in application form along with summary sheet and necessary documents should reach The Dean (Administration and Faculty Welfare), National Institute of Technology, Jamshedpur-831014, Jharkhand, (India) and also send a soft copy of application to deanfw@nitjsr.ac.in on or before 24/06/2013.

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Registrar
