



नेशनल इंस्टिट्यूट ऑफ फाउंड्री एंड फोर्ज टेक्नोलॉजी

(मानव संसाधन विकास मंत्रालय के तहत एक स्वायत्त संस्थान)

National Institute of Foundry & Forge Technology

(An Autonomous Body under the Ministry of Human Resource Development)

हटिया, राँची (झारखण्ड) 834 003, भारत / Hatia, Ranchi (Jharkhand) 834 003, INDIA

Tele-fax: (+91) 0651 2290860; Email: do.niffranchi@gmail.com; Website: www.nifft.ac.in

INSTRUCTIONS, APPLICATION FORM AND OTHER DETAILS FOR THE SELECTION OF FULL-TIME TEMPORARY FACULTY

Applications are invited from Indian nationals for Full-time Temporary Faculty positions at the Institute.

INSTRUCTIONS

1. Full-time Temporary faculty members are expected to assist the institute for the academic transformation in respect of curriculum development, delivery and evaluation. They have to be academically strong in their respective areas and communicate effectively to the students. They will also assist highly specialized faculty from leading institutions in the country who delivers lectures through video conferencing method. The approximate requirement for the full-time temporary faculty members is 20.
2. Remuneration Rs. 35,000/- (Consolidated) per month. The selection committee will decide on the higher pay to the deserving candidates.
3. No other allowances are admissible.
4. The appointment is purely temporary for one semester to start and may be extended on semester to semester basis on recommendation from the concerned department depending on the merit.
5. The shortlisted candidates will be called for presentation / interview. Academically strong and brilliant communicators from leading institutions in the country will stand good chance.
6. The date for presentation / interview will be intimated through the institute website www.nifft.ac.in.
7. The application has to be submitted to the Registrar, NIFFT, Hatia, Ranchi (Jharkhand) 834 003 on or before 31st December, 2015.
8. Reservation to SC/ST/OBC/PwD will be as per Government of India Rules. The candidate eligible for reservation has to produce the necessary certificates in the prescribed format as per Government of India norms while reporting for the Presentation / Interview.
9. The selected candidates will be required to join immediately.
10. Canvassing in any form will render a candidate ineligible.
11. Director of NIFFT reserves the right to cancel the recruitment process of temporary faculty members in partial or full without assigning any reasons whatsoever.
12. Institute will not pay any TA or DA for attending the Presentation / Interview.
13. Request for change of date or venue for presentation / interview will not be entertained.
14. Maximum age limit is 40 years as on 31st December, 2015.
15. Preferred areas of specialization, application form and data sheet are given below:

Eligibility and desired domain knowledge

A. Department of Forge Technology

Qualification/Experience	Desired domain knowledge
<p>Essential: M.E/M.Tech degree with First Class at both the Bachelor and Master degrees in the Following disciplines: B.E/B.Tech in Mechanical/Metallurgical/Manufacturing /Production/Industrial; M.E/M.Tech in Mechanical/Metallurgical/Materials/ Manufacturing/Production/Foundry and/ or Forge Technology or in relevant areas.</p> <p>Desirable: 1. Research/Teaching/Industrial experience in the particular subject domains 2. A Ph. D degree in the relevant discipline.</p>	<p>Technology of open-die forging; Technology of close-die forging,; Forging die-design; Heat treatment Technology; Forging of Special Alloys; Modelling and Simulation of Metal Forming (Specially Forging); Near-net shape processes; Tribology; Robotics and Automation in Metal Forming; Advance Forming Processes like HIP/3D printing/Additive Forming.</p>

B. Department of Manufacturing Engineering

Qualification/Experience	Desired domain knowledge
<p>Essential: M.E/M.Tech degree with First Class at both the Bachelor and Master degrees in the Following disciplines: B.E/B.Tech in Mechanical/Manufacturing/ Production/Industrial M.E/M.Tech in Mechanical Manufacturing/ Production or in relevant areas..</p> <p>Desirable: 1. Research/Teaching/Industrial experience in the particular subject domains 2. A Ph.D degree in the relevant discipline.</p>	<p>Solid mechanics; Fluid mechanics; Metal Forming Technology; Advanced Metal Forming Technology; Methodings of Castings; Advanced Manufacturing Processes; Heat and Mass Transfer; Mechatronics; Design of Machine Elements; Machine Tool; Machine Tool Design; Materials Management; Materials Science and Engineering; Computational Methods for Engineers;</p>

C. Department of Foundry Technology

Qualification/Experience	Desired domain knowledge
<p>Essential: M.E/M.Tech degree with First Class at both the Bachelor and Master degrees in the Following disciplines: B.E/B.Tech in Mechanical/Metallurgical/ Manufacturing/Production; M.E/M.Tech in Mechanical/Metallurgical/Materials/ Manufacturing/Production/Foundry and/ or Forge Technology or in relevant areas.</p> <p>Desirable: 1. Research/Teaching/Industrial experience in the particular subject domains 2. A Ph.D degree in the relevant discipline.</p>	<p>Non-ferrous castings technology, Methoding of castings, Iron Casting Production, Modelling and simulation, Near-net shape casting, Advanced casting techniques (e.g., Semisolid casting, Squeeze casting, Composite casting, Strip casting etc.), Rapid solidification, Liquid metal treatment, Interaction of liquid metal with mould and furnace wall.</p>

D. Department of Materials and Metallurgical Engineering

Qualification/Experience	Specialization
<p>Essential: B. E./B. Tech in Metallurgy and M.E/M.Tech in Metallurgy or Materials Science/Engineering with First Class at both the Bachelor and Master degrees.</p> <p>Desirable: 1. Research/Industrial/Teaching experience in the particular subject domains 2. A Ph.D degree in the relevant discipline.</p>	<p>Computer application in Materials Engineering; Heat and mass flow; Fuel, Furnace and Refractories; Structure of materials; Defects in materials; Testing and Inspection techniques; Materials characterization; Material damage and integrity assessment; Failure analysis; Design of materials and processes,; Surface engineering; Thermodynamics and kinetics; Metal joining</p>

E. Department of Applied Science and Humanities

Subject	Qualification/Experience	Desired domain knowledge
Environment Engineering	<p>Essential: M. E/M. Tech degree with First Class at both Bachelor and Master degree in the Following disciplines: B. E/B. Tech in Civil or Environmental Engineering; M. E/M. Tech in Civil or Environmental Engineering or in relevant areas.</p>	<p>Water resource; Air pollution monitoring and control; waste and emissions in manufacturing sector; Waste recycling.</p>

	<p>Desirable:</p> <ol style="list-style-type: none"> 1. Research/Teaching/Industrial experience in the particular subject domains 2. A Ph.D degree in the relevant discipline. 	
Electrical Engineering	<p>Essential: M.E/M.Tech degree with First Class at both Bachelor and Master degrees in the Following disciplines: B.E/B.Tech in Electrical Engineering; M.E/M.Tech in Electrical or Electronics Engineering or in relevant areas.</p> <p>Desirable:</p> <ol style="list-style-type: none"> 1. Research/Teaching/Industrial experience in the particular subject domains 2. A Ph.D degree in the relevant discipline. 	Control system; instrumentation; power system; Automation and Robotics.
Computer Science and Engineering	<p>Essential: M.E/M. Tech degree with First Class at both B. Tech.and M. Tech degrees:</p> <p>Desirable:</p> <ol style="list-style-type: none"> 1. Research/Teaching/Industrial experience in the particular subject domains 2. A Ph. D degree in the relevant discipline. 	Computer Architecture, Algorithm and Data Structure, Programming Languages, Computer Graphics and Multimedia, Computer Network, Software Engineering, Soft Computing, Web Technology Evolutionary Computing
Electronics Engineering	<p>Essential: ME/M. Tech degree with first class at both Bachelor's & Master's degree in the following discipline: -</p> <ol style="list-style-type: none"> (a) BE/B. Tech in Electronics Engineering (b) ME/M. Tech in Electronics Engineering. <p>Desirable:</p> <ol style="list-style-type: none"> (a) Research/Teaching/Industrial experience in the particular subject domain (b) A Ph. D. degree in the relevant discipline 	Microprocessor, Instrumentation, PLC Digital Electronics.
Applied Mathematics	<p>Essential: PhD with first class at MSc.</p> <p>Desirable: Research/Teaching/Industrial experience in the particular subject domains</p>	Ordinary and partial differential equations (Linear and non-linear); Complex analysis; Numerical analysis; approximation theory; Fourier analysis; linear and abstract algebra; Probability and statistics; Mathematical modelling and simulation; Design of experiment; Soft computing; Application of computational software and tools, Computational Methods for Engineering.

Applied Chemistry	<p>Essential: PhD with first class at MSc.</p> <p>Desirable: Research/Teaching/Industrial experience in the particular subject domains</p>	<p>Chemistry of Inorganic Materials; Transport processes; Thermodynamics; Reaction kinetics; Electrochemistry; Spectroscopy; Biocompatibility; Environmental chemistry; Chemistry of nano-materials; Structural analysis of materials; Surface chemistry; Chemistry of electronic materials.</p>
Applied Physics	<p>Essential: PhD with first class at MSc.</p> <p>Desirable: Research/Teaching/Industrial experience in the particular subject domains</p>	<p>Solid state physics; Physics of Measurement; Symmetry; Bonding and Molecular shapes; Crystallography; Structural Analysis of Materials; Diffraction and structure; electromagnetic theory; Photonics and optoelectronics; Application of LASER and Plasma in materials science; quantum mechanics; micromechanics; Electrical, Magnetic, and Optical Properties of Materials.</p>
Economics, Financial Accounting, and Management	<p>Essential: PhD with first class at MA/MSc. Or MBA with PhD.</p> <p>Desirable: Research/Teaching/Industrial experience in the particular subject domains</p>	<p>Fundamental principles of economics (macro and micro); Demand and supply analysis; Production and cost analysis; Pricing; Financial accounting; Capital budgeting; Enterprise economic analysis; Project economic analysis; Risk analysis and management; Quality management and change management; Cost estimation and alternative analysis.</p>



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Application Form

Please read the information carefully on website prior to filling up this application form. You may use separate sheet/s wherever required.

Advertisement No. & Date:

Date:

Post Applied for: Temporary Faculty

Please affix recent
passport size
photograph

Subject domain:

- (i) Full Name (in block letters) :
- (ii) Father's/Husband's Name :
- (iii) Whether belonging to UR/ SC/ST/OBC/PwD:(Attach Certificate)

2. Date of Birth:..... Age (as on 31.12.2015):

3. (a) Nationality :

(b) Gender: Male / Female.....

(c) State/UT to which you belong:.....

(d) Marital Status: Married / Unmarried / Divorced

4. Postal Address for correspondence

.....

.....

..... Pin Code:

Phone No.: Office:..... Res.:..... Mob. No.:.....

(with STD Code)

E-mail ID:.....

5. Permanent Address (with Phone no. & Mobile) :

.....

.....

..... Pin Code

6. (a) Educational Qualifications (from Matriculation onwards):

Sl. No.	Examination Passed	Name of the University/Board	Year of Passing	Subject/ Specialization	% of Marks/ Grade(CGPA)	Division / Class

(b) Have you cleared NET / SLET? (For Non-Engineering Disciplines)

.....

(c) GATE Score, All India Rank, Year

7. Prizes, Awards, Distinction received etc. (if any):

.....

8(a) Post held at present:

Post held	Date of Appointment	Nature of the Post(Temporary/Probation/Permanent)	Name & Address of Employer

(b) Present Pay Scale:..... AGP:..... Any other Pay:.....

Basic Pay:..... Dearness Allowance:..... Gross Emolument:.....

(c) Type of organization (Government/Semi-Government/Govt. Aided/Autonomous Body/ Private etc.)

9. Professional Experience (In the reverse chronological order):

Sl. No	Name of the Employer	Post held	Period of Employment		Pay Scale and Basic Pay drawn	Total Emolument	Reasons for Leaving
			From	To			

10. Total Experience:

(i) Teaching U.G.:.....Year(s)Month(s)

P.G.:.....Year(s)Month(s)

11. (a) Thesis supervised: M.Tech. / M.S. / M. Phil.

Sl. No.	Title of the Thesis Supervised	Completed (year)	In progress (With Status)	Principal or Co- Supervisor

(b) List of Publications (International/National Journals):

Sl. No	Name of the Journal	Volume No.	Month/ Year/Page Nos.	Authors	Title of the paper

(c) List of Conference papers (International/National):

Sl. No.	Name of the Conference with venue	Month/ Year/Page Nos.	Authors	Title of the paper

(d) Conference/ Symposium (International/National level) attended (Applicable if full text of paper is published in the proceedings):

Sl. No.	Name of the International Conference/Symposium with Venue	Month/ Year / Page No.	Volume No.	Title of the paper

(e) Conferences / Seminars / Workshops / Summer / Winter Schools/ Training Programmes organized / attended :

Sl. No.	Title of the Conference / Seminar / Workshop organized	Month/Year	Venue	Sponsoring Authority

12. Membership in Technical Societies :.....
(Including Membership no.)

13. Please provide two references (Not related to the candidate), who are well aware of capability of candidate in the following format. **Submit these details of two references in two separate sealed covers along with the application.**

Name of Candidate :
 Dept. to which applied :
 Name and Designation of Referee :
 Contact Details :

I know _____ for _____ years in my capacity as guide/professor
 According to my evaluation the candidate is rated as below (1 to 10 scale: 1-below average, 10-Excellent)

- a. Academic Excellence
 - a) Knowledge of fundamentals
 - b) Knowledge of latest trends
- b. Academic Delivery
 - a) Subject lecture preparation capability
 - b) Communication capability for delivering lectures and handling of 100 students
 - c) Doubt clearing/clarification capability
 - d) Student friendly approach
- c. Research
 - a) Research planning
 - b) Research execution
 - c) Technical documentation capabilities
- d. Character/Integrity/Moral quality

I recommend him/her for temporary faculty position at NIT, Trichy.

14. Any other relevant information:.....

DECLARATION

I declare that the statements made in this application are true to the best of my knowledge and belief. I understand that misleading or wrong information supplied may lead to summarily rejection of application /appointment (if found subsequently).

Date:
Place:

(Signature of Applicant)



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DATA SHEET FOR TEMPORARY FACULTY

Advertisement No.:

Date:

Post applied for: Temporary Faculty in Department of _____

Details of Applicant							Remarks
1.	Name and Address (with Email and Mobile No.)						
2.	Age/Date of Birth*						
3.	Category*: (SC/ST/OBC/PwD/UR)						
4.	Educational Qualifications:						
	Degree	Specialization	University	% of marks* /CGPA *	Class*	Year	
	UG						
	PG						
	Ph.D.			Awarded/Pursuing/Not registered			
5.	GATE Score *						
6.	Have you cleared NET / SLET*						
7.	Place: Date:						Signature of the Applicant

*Attach Proof