NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620 015, TAMILNADU, INDIA.

NOTIFICATION FOR FACULTY RECRUITMENT

Advertisement No.: NITT/R/F/2019/01   dated 30.01.2019

Opening date of online portal	**: 30.01.2019**
Last date for submission of online application	**: 28.02.2019**
Last date for submission of hardcopy of application	**: 11.03.2019**

The National Institute of Technology, Tiruchirappalli has distinguished itself on the national scene this year by being ranked first among all NITs and eleventh among all the Technical Institutes in the country by the National Institute Ranking Framework (NIRF) of the Government of India. Established as the Regional Engineering College (REC) in 1964, the salubrious campus became NIT, Tiruchirappalli, in 2004 and is an autonomous institution under MHRD, Government of India. The President of India is the visitor of the Institute.

Online applications are invited from **Indian Nationals / Overseas Citizens of India(OCIs), with excellent academic background and commitment to quality teaching and research**, for Assistant Professor Grade II (Pay Level 10) in various Departments of NIT, Tiruchirappalli as per the details given in Annexure-I.

GENERAL INFORMATION AND INSTRUCTIONS

Candidates are advised to read all the Instructions carefully before filling up the online application.

A.   General

1.   **Details of the Post:**

Advt. No.	Name of the post	Pay Scale
NITT/R/F/2019/01	**Assistant Professor Grade II**	Pay Level 10 in VII CPC(Pay Band-3 with Academic Grade Pay of Rs.6000 in VI CPC)

2. **Essential Qualifications:**

   (i) Detailed Educational Qualifications, Experience and other criteria for selection shall be as per the modified recruitment rules for Faculty in NITs as per schedule E of the first statutes of the NITs (amendment statutes 2017) reference Gazette of India dated July 24th 2017. (Link http://recruitment.nitt.edu/advt/gazatteofindia.pdf)

   (ii) All new entrants shall have Ph.D. in the relevant / equivalent discipline and shall have First Class in the preceding degrees.

   Preceding degrees: -
   - **For All Engineering Departments**: B.Tech. or any equivalent degree and M.Tech. or any equivalent degree in relevant discipline.
   - Candidates having Ph.D. Degree directly after B.Tech. from reputed Institutions/Universities will also be considered, if other norms are fulfilled.
   - **For Humanities/ Management/ Applied Sciences**: B.A./ B.Sc./ B.Com. or any equivalent undergraduate degree and/ or M.A./ M.Sc./ M.Com./ M.B.A./ MCA or any equivalent P.G. degree in relevant discipline.

3. **Desirable Age/ Qualifications/ Achievements:**
   i) Preferable age limit: 35 years
   ii) Qualified in GATE/ SLET/ NET
   iii) At least 2 SCI Journal publications
   iv) Good and consistent academic record from 10th Standard/Matriculation onwards
   v) Any one degree from Central/State funded Universities/Institutions/Colleges

4. **Reservation policy will be as per Government of India norms**. Instructions from MHRD issued till the date of interview will be applicable. Candidates belonging to SC/ ST/ OBC (Non-Creamy Layer)/ PwD should enclose a copy of the certificate issued by the competent authority along with the application; candidates belonging to OBC (Non-Creamy Layer) should enclose photocopy of the OBC (Non-Creamy Layer) certificate issued by competent authority on or after 01/04/2018; otherwise their application will be considered in unreserved (UR) category only.

5. **This being an advertisement governed by the Flexible Faculty Recruitment Rules, relevant instructions from MHRD issued till the date of interview will be applicable.**

6. Policy on avoiding in-breeding: Candidates who have obtained or are expected to obtain their most recent degree (Ph.D.) from NIT, Tiruchirappalli, will normally not be considered for recruitment, except where there is a 3 years gap between leaving the Institute and the expected date of joining.

7. Period of probation will be one year, which may be extended by the Board of Governors of NIT, Tiruchirappalli, depending on the performance during the first year.

8. Canvassing in any form will disqualify the candidature of the applicant.

9. Selected candidates to the above faculty positions will be fixed in the minimum basic pay as per norm and only the regular service at NIT, Tiruchirappalli, will be counted for any purpose thereafter. Earlier service will not be considered for any purpose and candidates who are willing to accept this condition may only apply.

10. The total number of vacancies in each department is provided separately. However, the numbers are tentative and the Institute reserves the right to change the number of vacancies, to cancel the recruitment process of the faculty positions in partial or full without assigning any reasons whatsoever.

11. The Selection Process consists of shortlisting, followed by Department Presentation and Interview.

12. More than six months of experience in regular position in any organization will only be considered as total experience. Experience rendered on part-time, daily wages or as visiting faculty will not be counted as experience.

13. Mere fulfilling of the minimum qualifications does not entitle any candidate for an interview call. The Institute reserves the right to set higher criteria than the essential qualifications for short listing the candidates for Department Presentation and Interview. Different Departments may set different short listing criteria and same Department may also set different short listing criteria for different specializations.

14. The Institute reserves the right to shortlist candidates in allied specializations (Other than the ones mentioned in the Annexure-1) with superior academic record, appropriate course background and relevant research experience.

15. The Institute Screening Committee will shortlist the applications based on shortlisting criteria of the individual department for Department Presentation and Interview. The date and time of Interview will be informed **only through the Institute website / e-mail**.

16. Candidates in India, if invited, have to appear personally in the interview, while those abroad if unable to attend in person may be interviewed by video conferencing. However, the institute does not guarantee consistent connectivity and the candidate will appear at his/her own responsibility.

17. All original documents will have to be produced at the time of interview for verification.

18. No TA/DA will be paid to the candidates called for Department Presentation and Interview.

19. The decision of the committees involved in selection process is final and binding. No interim correspondence / inquiries will be entertained from the candidates in connection with the process of shortlisting. Any dispute with regard to selection process will be subject to court/tribunal having jurisdiction over Tiruchirappalli.

B. Facilities available for Faculty Members

1. Reimbursement of the expenditure towards presenting papers in National/International Conference/ Workshops/Symposia membership fee and contingent expenses under Cumulative Professional Development Allowance (CPDA) at the rate of Rs. 1 Lakh per year (3 Lakhs per block period of three financial years).
2. Startup grant will be provided to encourage research as per Institute norms.
3. Provision to undertake Industrial Consultancy as per Institute norms.
4. Reimbursement of Telephone /Data Card bills
5. Reimbursement of Tuition Fee for children studying up to XII Standard as per Government of India norms.
6. LTC as per Government of India norms.
7. Medical Facilities to faculty and their dependent family members as per Institute norms/ Government of India norms.
8. Quarters Facilities with Wi-Fi & Intranet service depending on the availability as per Institute norms.
9. Fresh appointees will be covered under the New Pension Scheme [NPS-2004] as per Government of India rules.

C. Application process

i) Candidates should fill the online Application form with correct details for every item. Candidates should carefully fill up all the details required in the online application form including certificate relating to age, Education Qualification, valid Community/ PwD Certificates, etc.
ii) This online facility will be available in the Institute website www.nitt.edu from 30-01-2019 to 28-02-2019. The online application process will be closed on 28/02/2019.

iii) Candidate should pay a non-refundable application processing fee **per department applied** through online payment as below:

- For the candidates other than SC/ ST/ PwD/ Woman Category: Rs. 1,000 (Rupees One Thousand only) per department
- For SC/ ST Category: Rs.500 (Rupees Five hundred only) per department
- For Woman/ PwD Category: No fee is required.
- Application processing fee once paid will not be refunded under any circumstances.
  Candidates who are studying/working outside India and satisfying the required conditions can also apply online with the same non-refundable application processing fees.

iv) Candidates are advised to make sure that all the details entered are correct and final before **Final Submission**.

v) Candidates who wish to apply for more than one department should apply separately, with all enclosures.

vi) Incomplete Application/ Application without required information/ Application without proper enclosures/ Application without details of non-refundable application processing fee / Applications filled with discrepancy /Application forms which are not forwarded through proper channel will be rejected without intimation.

vii) Candidates employed in Government and Semi-Government Organizations, Public Sector Undertakings, Autonomous bodies of Govt. of India or the State Government must apply through their present employer.

viii) Institute will not be responsible for any postal delays or loss of the application during transit.

ix) The applicants are requested to visit the website of the Institute periodically for any updated information regarding the recruitment process.

x) Candidates shall indicate two referees with whom they have worked/ studied/ acquainted. The institute will seek letters of recommendation from the referees directly.

xi) On completion of filling /uploading of the on-line application form and submission, download a copy of the signed application form and enclose the Self-Attested photo-copies of the certificates/testimonials/research papers etc., and send to **The Registrar, National Institute of Technology, Tiruchirappalli - 620015. Tamil Nadu by Speed / Registered post to reach on or before 11.03.2019 by 5.00 p.m mentioning on the cover "APPLICATION FOR THE POST OF <u>ASSISTANT PROFESSOR GRADE-II</u> IN THE DEPARTMENT OF_____."**

Sl. No	Department	Desirable Area / Specialization
1.	Chemical Engineering	B.E. / B.Tech. or equivalent in Chemical Engineering and M.E. / M.Tech. in Chemical Engineering and related specializations and Ph.D. in any of the following specializations: Process Intensification, Process Modelling and Simulation, Process Dynamics and Control, Computational Fluid Dynamics, Advanced Materials.
2.	Chemistry	Organic Chemistry, Inorganic Chemistry, Physical Chemistry and Analytical Chemistry.
3.	Civil Engineering	**a. Environmental Engineering** (B.E./B.Tech. in Civil Engineering, M.E./M.Tech. in Environmental Engineering, Ph.D. in Environmental Engineering). **b. Water Resources Engineering** (B.E./B.Tech. in Civil Engineering, M.E./M.Tech. in Water Resources Engineering / Hydrology and Water Resources Engineering / Irrigation Water Management / Hydraulics and Water Resources Engineering, Ph.D. in any one of the above specialisations) **c. Transportation Engineering** (B.E./B.Tech. in Civil Engineering, M.E./M.Tech in Transportation Engineering, Ph.D. in Transportation Engineering) **d. Construction Engineering and Management** (B.E./B.Tech. in Civil Engineering, M.E./M.Tech. in Construction Engineering/Technology and Management / Building Technology and Construction Management, Ph.D. in any one of the above specialization)
4.	Computer Applications	Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Distributed Computing, Distributed Technologies, Cloud Computing, Internet of Things, Image Processing, Theoretical Computer Science
5.	Computer Science and Engineering	B.E. / B.Tech. or equivalent in CS / CSE / IT and M.E. / M.Tech. / M.S. (CSE/IT) or equivalent and Ph.D. in any one of the following Specializations: Theoretical Computer Science, Algorithms, Graph Theory, Distributed Systems and Computing, Cloud Computing, Computer Architecture, Databases, Data Science, Computer Networks, Software Engineering, Software Systems, Information Security, Machine and Deep Learning, Artificial Intelligence, Parallel Computing, Embedded Systems, Operating Systems, Speech and Vision, High Performance Computing.
6.	Electrical and Electronics Engineering	B.E./B.Tech. or equivalent in Electrical Engineering / Electrical and Electronics Engineering **Specialization:** M.Tech./M.E./M.S. (by Research) / with Ph.D. in the following areas: Power Systems, Power Electronics and drives, Electric Machines / Electronics.

7.	Electronics and Communication Engineering	B.E./ B.Tech. in ECE or its equivalent branch of Engineering M.E./M.Tech. in Microelectronics, Applied Electronics, Embedded System, VLSI, Communication Systems, Microwave Engineering, Optical Communication, Photonics, Signal and Image Processing, Wireless Communication, Wireless Networks, Nano Technology, Bio-Medical Engineering, Computer Technology Ph.D. in areas of Microelectronics, Embedded System, VLSI, Microwave Integrated Circuits, Optical Communication, Photonics, RF-MEMS, Signal Processing, Pattern Recognition, Machine Learning, Wireless Communication, Wireless Networks, Nano Technology, Bio-Medical Engineering.
8.	Energy and Environment	B.E./B.Tech. or equivalent in Mechanical Engineering /Electrical Engineering M.E./M.Tech. or equivalent in Mechanical/Electrical/Energy/ Energy and Environmental Engineering with doctoral work exclusively in the area related to Wind energy/ Solar energy/ Environmental Engineering/or a combination of Energy and Environment. Knowledge in the area of CFD will be desirable.
9.	Humanities and Social Sciences	**For English:** English Language and Literature **For Economics**: Economics, Entrepreneurship Development
10.	Instrumentation and Control Engineering	B.E./B.Tech. in Instrumentation and Control Engineering / Instrumentation / Electronics and Instrumentation. M.E./M.Tech. in Instrumentation / Control / Precision Engineering / Automobile Ph.D. in any one of the following Specializations: Optical and Laser Based Instrumentation, Analog Electronics, Semiconductor Devices and Circuits, Cyber Physical Systems / Non Linear Control / Network Control Systems / Control Theory, Artificial Intelligence / Machine Learning / Deep Learning for Instruments and Measurements applications, Automotive Systems.
11.	Management Studies	Marketing, Human Resource, Information Technology / Systems, Finance, Operations, Analytics
12.	Mathematics	B.Sc. in Mathematics, M.Sc. in Mathematics/Applied Mathematics Ph.D. in Mathematics with specializations mentioned below: Probability Theory and Stochastic Processes, Data Science, Mathematical Bio-Sciences, Numerical Analysis, Fluid Mechanics, Fuzzy Mathematics, Combinatorics.
13.	Mechanical Engineering	B.E. / B.Tech. in Mechanical Engineering M.E. / M.Tech. and Ph.D. specialization in Engineering Design /Machine Design/ Vibration/ Applied Mechanics/Machine Dynamics / Automation /Industrial Safety.
14.	Metallurgical and Materials Engineering	B.E. / B.Tech. or equivalent in Metallurgy / Metallurgical Engineering / Metallurgical and Materials Engineering / Metallurgical Engineering and Materials Science/ Materials Science and Engineering / Materials Engineering. M.E. / M.Tech. / M.S. in specializations related to Metallurgical

		and Materials Engineering Ph.D. in the area of Process Metallurgy, Extractive Metallurgy, Non-Metallic Materials, Physical Metallurgy, Non-Destructive Testing, Computational Materials Science, Mechanical Behaviour of Materials / any emerging area of specializations related to its discipline in Metallurgical and Materials Engineering.
15.	Physics	B.Sc. (Physics) M.Sc.(Physics)/M.Sc.(Applied Physics)/M.Sc. (Materials Science) Ph.D. in any of the following specializations: Nuclear Physics, Astrophysics, Condensed Matter Physics, Non Destructive Evaluation, Theoretical Physics, Materials Science, Optics and Lasers.
16.	Production Engineering	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering. M.E / M.Tech. / Ph.D. in any of the following specializations: Manufacturing Technology, Industrial Engineering, Operation Research, Data Analytics / Data Science, Maintenance Engineering, Casting Technology, Mechatronics / Robotics, Additive Manufacturing, CAD/CAM/CIM, Manufacturing Automation, Welding Technology, Machine Design, Industrial Management, Micro / Nano Manufacturing, Product Design and Development, Computational Mechanics