



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

NOTIFICATION FOR FACULTY RECRUITMENT- ASSOCIATE PROFESSOR (AGP Rs.9500)

Advertisement No.: NITT/R/F/2017/04 dated 11.10.2017

Last date for online application : 11.11.2017

Last date for submission of hardcopy: 21.11.2017

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 Institutional Ranking Framework (NIRF) 2017, 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, with excellent academic background and commitment to quality teaching and research, for faculty positions** in various departments of NIT, Tiruchirappalli.

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/2017/04	Associate Professor	Pay Band-4 with Academic Grade Pay of Rs.9500 With a minimum Pay of Rs.42800/-

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. It shall be as per schedule E of the first statutes of the NITs (amendment statutes 2017) reference Gazette of India dated July 24th 2017. (<http://recruitment.nitt.edu/adv/gazetteofindia.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/Architecture Departments:** B. Tech./B.Arch. or any equivalent degree AND M. Tech. / M. Arch. 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./M.C.A. or any equivalent P.G. degree in relevant discipline.

3. Desirable Qualifications/experience/achievements:

- i) Good and consistent academic record from 10th Standard/Matriculation onwards.
- ii) At least one of the qualifying Degrees from a Centrally Funded Institution
- iii) At least 5 SCI Publications

4. Reservation Policy will be as per Government of India norms.

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

6. Fresh appointment beyond the age of 60 years is discouraged except in the case of faculty with exceptionally brilliant research career and with on-going or approved externally funded research project.

7. Period of Probation will be one year, which may be extended by the Board of Governors 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. No earlier service will be considered for any purpose and candidates who are willing to accept this condition may only apply.

10. The 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 and experience 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/Interview. Different Departments may set different short listing criteria and the same Department may also set different short listing criteria for different specializations.
14. The Institute reserves the right to short list candidates in the allied disciplines/specializations (Other than the ones mentioned in the Annexure -I) 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 the Department Presentation and Interview will be informed **only through the Institute website/e-mail**.
16. Candidates in India, if invited, have to appear personally in the interview. Those abroad, 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. 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/Interview. However, PwD candidates will be paid TA as per Government of India norms.
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.
20. The Institute shall retain the online application /hard copy of non-shortlisted candidates only for three months after the completion of recruitment process.

B. Facilities available for Faculty Members

1. Reimbursement of the Expenditure towards presenting papers in National/Inter-National 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. Provision to undertake Industrial Consultancy as per Institute Norms.
3. Reimbursement of Telephone /Data Card bills as per Government of India norms
4. Tuition Fees for children studying up to XII Standard as per Government of India norms.
5. LTC as per Government of India norms.
6. Medical Facilities to faculty and their dependent family members as per Institute Norms/ Government of India norms.
7. Quarters Facilities with Wi-Fi & Intranet service depending on the availability as per Institute norms.
8. 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, the details of the online payment etc. Candidates are advised to make sure that all the details entered are correct and final before **Final Submission**.
- ii) This online facility will be available in the Institute website www.nitt.edu from 11-10-2017 to 11-11-2017. The online application process will be closed at 12.00 Midnight on 11-11-2017.
- iii) Candidate should pay a non-refundable application processing fee for each application through online payment as below:
 - For the candidates other than SC/ST/PwD/Woman Category: Rs. 1,000 (Rupees One Thousand only).
 - For SC/ST Category: Rs.500 (Rupees Five hundred only)
 - For Woman/PwD Candidate: No fee is required.
 - Application fee once paid for each application will not be refunded under any circumstance. Candidates who are studying/working outside India and satisfying the required conditions can also apply online with the same non-refundable application fees.
 - The faculty working at NIT Tiruchirappalli are exempted from paying the application fee.
- iv) Candidates who wish to apply for more than one position/department should apply separately, with all enclosures.
- v) Incomplete Application/ Application without required information/ Application without proper enclosures/ Application without details of non-refundable application fee / Application filled with discrepancy /Application Forms which are not forwarded through proper channel will be rejected without intimation.
- vi) 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.
- vii) The Institute will not be responsible for any postal delays or loss of the application during transit.
- viii) The applicants are requested to visit the website of the Institute periodically for any updated information regarding the recruitment process.
- ix) Candidates shall indicate two references of eminent persons in the field/ profession and their recommendation letters in separate sealed envelope shall be sent by post along with computer generated application form and other documents.
- x) 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 **Registrar, National Institute of Technology, Tiruchirappalli – 620015. TamilNadu by Speed/Registered post on or before 21.11.2017 mentioning on the cover APPLICATION FOR THE POST OF ASSOCIATE PROFESSOR (AGP Rs. 9500) IN THE DEPARTMENT OF _____.**

Annexure - I

Desirable Areas of Specialization:

Associate Professor (AGP 9500)

Sl. No	Department	Desirable Area / Specialization
1.	Architecture	General Architecture / Building Engineering and Management/ Building Technology / Construction Management / Landscape Architecture / Digital Architecture with advanced skills (like Parametric design, VRL, 3D modelling, VR technology, software design, 3D human-computer interaction
2.	Chemical Engineering	Transfer operation, Thermodynamics, Reaction Engineering, Process Modelling and simulation, CFD, Process control, Process integration and Optimization, and Biochemical Engineering and Environmental Engineering
3.	Civil Engineering	Structural Engineering, Transportation Engineering, Environmental Engineering, Water Resources Engineering, Geotechnical Engineering, Remote Sensing/GIS.
4.	Computer Science and Engineering	Theoretical Computer Science, Systems, Database, Networking, Software systems, Data Sciences
5.	Electrical and Electronics Engineering	B.E./B.Tech. in Electrical Engineering/ Electrical and Electronics Engineering. M.Tech./M.E./M.S.(by research) in Power systems, Power Electronics, Electrical Machines and drives, Control system, Applied Electronics, Electronics, Energy Engineering, Energy Systems, Computer science and Engineering or any relevant specialization in Electrical and Electronics Engineering. Ph.D. in any of the above areas.
6.	Electronics & Communication Engineering	Applied Electronics, VLSI System, VLSI Design, Communication Systems, Microwave Engineering, Microwave Integrated Circuits, Optical Communication, Signal Processing, Image Processing, Computational Intelligence, Quantum Photonics, Wireless Communication, and Wireless Networks
7.	Instrumentation & control Engineering	Industrial automation and distributed control system, Process modelling and control, Optimal and robust control, Next generation control, Smart structures and energy harvesting.
8.	Mechanical Engineering	IC Engines, Nano Fluid, R&A/C, Heat Transfer, Industrial Safety Engineering, Welding and MEMS
9.	Metallurgical and Materials Engineering	B.E./ B.Tech. in Metallurgy/ Metallurgical and Materials Engineering/ Metallurgical Engineering/ Materials Engineering/ Materials Science & Engineering/ Polymer Engineering/ Ceramic Engineering/ Mechanical Engineering/ Production Engineering or Equivalent and M.E/ M.Tech./M.S.(by Research) in Metallurgy/ Metallurgical and Materials Engineering/ Metallurgical Engineering/ Materials Engineering/ Materials Science & Engineering/ Polymer Engineering/ Ceramic Engineering/ Process Metallurgy/ Industrial Metallurgy/ Corrosion Engineering/ Welding Engineering and Ph.D. in any one of these area is desirable.

10.	Production Engineering	Unconventional/Conventional manufacturing, Tribology/Surface Engineering, Maintenance Engineering, Metrology, FMS, Composite Materials Processing, Micromachining, Additive Manufacturing, Mechatronics, Computational Mechanics, Product Development Management, Intelligent Manufacturing Systems, Robotics, Multiphysics Modelling, Supply chain Management/Logistics, Project Management, Quality Engineering, Material Management, Lean Manufacturing, Data Analytics, Systems Engineering, Optimization, Multi criteria decision making, Modelling and Simulation, Ergonomics, Operational Management, Sustainable Manufacturing, Agile Manufacturing
11.	Energy & Environmental Engineering	B.E./B.Tech. and M.E./M.Tech./M.S.(by Research) in Chemical, Mechanical, Electrical, Biotechnology, Energy and Environment and Ph.D. Degree related to Energy and Environment.
12.	Physics	Quantum chaos and information, Thin film photovoltaics, Nanophotonics, Multiferroics, strongly correlated electron system, Carbon nanomaterial, Nano-magnetism.
13.	Chemistry	Organic, Inorganic, Physical or Analytical Chemistry. In addition, M.Sc. Chemistry/ Applied Chemistry/Equivalent to Chemistry
14.	Mathematics	Applied Mathematics, Computational Fluid Dynamics, Differential Equations, Numerical Methods, Operations Research, Probability and Statistics.
15.	Humanities & Social Sciences	Economics: Economics, Industrial Economics, English: English Language Teaching, English Literature, Linguistics
16.	Computer Applications	Big Data Analytics, Computer Organization and Architecture, Data Base Management System, Data Compression, Data Mining, Data Structure and Algorithms, Image Processing, Multimedia, Natural Language Computing, Object Oriented Programming, Operations Research, Probability and Statistical Methods, Real Time System, Software Engineering, Information Processing, Information Retrieval
17.	Management Studies	Marketing, Finance, Human Resource Management, Systems, operations.