

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

#### **FACULTY RECRUITMENT 2023**

Opening date of online portal : 14.06.2023

Last date for submission of online application : 04.07.2023 (Till 5:30 p.m.)

Last date for submission of hardcopy of application : 11.07.2023 (Till 5:00 p.m.)

#### 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:

Sl. No.	Name of the post	Pay Level in 7th CPC
1	Assistant Professor (Grade-II)	Pay Level 10
2	Assistant Professor (Grade-II)	Pay Level 11
3	Assistant Professor (Grade-I)	Pay Level 12
4	Associate Professor	Pay Level 13A2
5	Professor	Pay Level 14A

2. The specializations required for various departments and vacancy matrix are given in Annexure-I.

#### 3. Essential Qualifications:

 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) as in Annexure-II. [Reference: Gazette of India No. 651 dated 24<sup>th</sup> July, 2017]. (<a href="https://recruitment.nitt.edu/faculty2023/advt/A.2\_651.pdf">https://recruitment.nitt.edu/faculty2023/advt/A.2\_651.pdf</a>)

## ii. All the applicants shall have Ph.D. in the relevant/ equivalent discipline and shall have First Class in the preceding degrees.

- ➤ In case, first class is not mentioned in the preceding degrees by the University / Institution, then the candidates should have secured at least 6.5 CGPA (on a 10-point scale) or 60% marks in aggregate.
- ➤ In case the candidate has secured CGPA under any other point scale (other than 10-point scale), then certificate issued by the authorized signatory (not the Mentor/Supervisor/Head of the Department) of the Institute / University to the effect of having secured first class in such degree must be attached. Alternately, the CGPA may be equivalently converted on 10-point scale for determination of eligibility.
- ➤ The above mentioned CGPA / Percentage / Degree should be awarded by a recognized University / Institute.

#### **Preceding Degrees:**

- For Architecture: Bachelor degree in Architecture and M.Arch. / M.Plan. / equivalent degree as applicable.
- **For Engineering:** B.E. / B.Tech. or any equivalent degree and M.E. / M.Tech. or any equivalent degree in relevant discipline.
- For Humanities/ Sciences / Computer Applications: B.A. / B.Sc. / B.Com. / BCA or any equivalent undergraduate degree and/ or M.A. / M.Sc. / M.Com. / MCA or any equivalent P.G. degree in relevant discipline.
- For Management: Full time regular UG degree. Two years full time MBA / PGPM or equivalent or Two years full time M.E. / M.Tech. degree in Industrial Engineering/Management.
- Candidates having Ph.D. Degree directly after B.E. / B.Tech. from reputed Institutions/Universities will also be considered, if other norms are fulfilled.

Candidates are required to go through the essential qualifications mentioned above before applying to ensure their eligibility for the faculty position.

#### B. Age, Experience and other Recruitment Policies

- 1. The cut-off date for determining eligibility is the last date for submission of online application form.
  - Preferable age limit: 35 years for Assistant Professor (Pay Level 10); Age relaxation for SC/ST/OBC (Non-Creamy Layer)/PwD as per the GoI norms.
  - Oualified in GATE / NET / CSIR NET
  - Publications in reputed Journals.
  - Good and consistent academic record from 10<sup>th</sup> Standard/Matriculation onwards.
- 2. Reservation policy will be as per Government of India norms. Instructions from MoE issued till the date of interview will be applicable. Candidates belonging to SC/ST/OBC (Non-Creamy Layer)/EWS/PwD should enclose a copy of the certificate issued by the competent authority along with the application; candidates belonging to OBC (Non-Creamy Layer)/EWS should enclose copy of the OBC (Non-Creamy Layer) / EWS certificate issued by competent authority on or after 1st April 2023; otherwise their application will be considered in unreserved (UR) category only.
- 3. This being an advertisement governed by the **Flexible Faculty Structure**, relevant instructions from MoE issued till the date of interview will be applicable.
- 4. For departments which are not having any vacancy at any higher Pay Level, movement to higher Pay Level shall be carried out as per prescribed selection process but it will be restricted to only serving faculty members of NIT, Trichy in the respective Department. [As prescribed in note 1, point no. 5 of Schedule 'E' of NIT Statutes (Amended 2017) (Ref. Gazette of India No. 651, dated July 24, 2017)].
- 5. Policy on avoiding **in-breeding**: Candidates who have obtained their most recent degree (Ph.D.) from NIT, Tiruchirappalli, will not be considered for recruitment, except where there is a 3 years gap between leaving the Institute and last date of the submission of online application.

- 6. **Period of Probation** for Regular employees of the Institute: Subject to the provisions of the Act and the Statutes, the appointments to posts under the Institute shall be made on probation for a period of **one year** wherever applicable. The appointing authority shall have the power to **extend the period of probation** of any employee of the Institute for such periods as it may deem fit.
- 7. Canvassing in any form and/or bringing any influence of any form will be treated as disqualification for the faculty position applied.
- 8. 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**.
- 9. **Experience:** Experience as per clarification no. 7, GoI, MHRD, F.No.33-9/2011-TS.III, dated 16<sup>th</sup> April, 2019, (including prior to implementation of NIRF) shall be considered if acquired in any of the following Institutions:
  - Fully Funded Central Educational Institutions.
  - IIMs & Other management Institutions ranked by NIRF up to 50 for any two years.
  - State Educational Institutions funded by respective State Government.
  - Other Educational Institutions ranked by NIRF up to 100 in Overall, Universities, Engineering and 10 for Architecture, for any two years.
  - International / National experience as Post-Doctoral Fellow with National Agencies of respective countries and Post-Doctoral Fellowships offered by Institutions, which are in QS / The World Rankings up to 500 will be considered for the post of Assistant Professor as per clarification No. 2, issued by Oversight Committee. [GoI, MHRD, F.No.33-9/2011-TS.III, dated 16<sup>th</sup> April, 2019].

Experience as mentioned above and as per RRs in an Institution/ organization will only be considered for calculating total experience.

- 10. More than **six months** of experience in regular position in the above mentioned organization will only be considered as valid experience. The period of experience rendered by a candidate on part-time basis, daily wages, guest faculty / visiting faculty will not be counted while calculating the valid experience for shortlisting the candidates.
- 11. **Administrative Experience:** Contribution to Institute/Department Administration shall be recommended by concerned Head and approved by the Head of the Institution. Otherwise, weightage of Administrative experience for evaluating the credit points may not be considered for determining the eligibility. No correspondence shall be entertained in this regard. [As prescribed in note 1, point no. 4 of Schedule 'E' of NITs Statutes (vide Gazette of India No. 651, dated July 24, 2017)].
- 12. Mere fulfilling of the minimum qualifications does not entitle any candidate for an interview call. Different Departments may set different shortlisting criteria. The Institute reserves right to set higher criteria than the essential qualifications for shortlisting the candidates.
- 13. The Institute reserves the right to shortlist candidates in allied specializations (Other than the ones mentioned in the Annexure-I) with superior academic record, appropriate course background and relevant research experience.

- 14. NIT Tiruchirappalli follows 4 tier flexible faculty structure. The total number of vacancies in each Department is provided separately with Institute roster (Annexure I). 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.
- 15. All original documents including valid ID Proof will have to be produced at the time of Interview for verification.
- 16. 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 at Madurai Bench of Honourable High Court of Judicature at Madras.
- 17. All recruitment and pay-fixation shall be done by the Board of Governors (BoG) of the Institute only on the recommendations of duly constituted Selection Committees. The decision of the Appointing Authority shall be final. Higher starting pay may be offered to deserving candidates on the recommendation of the Selection Committee upon approval of the Board of Governors.
- 18. The last date for submission of online **Application form** is **04.07.2023** (**5:30 p.m.**) and for receiving **hard copy Application form** by registered / speed post is **11.07.2023** (**5.00 p.m.**). The Institute shall not be responsible for any sort of postal delay for whatsoever reasons.
- 19. Further assistance, if any, may be sought from Recruitment cell at recruitcell@nitt.edu.

#### C. Facilities extended to the faculty members of NIT Tiruchirappalli

As per the MoE norms, the Institute extends the following facilities to its faculty members, which may change from time to time:

- i. 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).
- ii. Research Seed Grant up to Rs. 5 Lakhs will be provided to encourage research as per Institute norms.
- iii. Provision to undertake Industrial Consultancy as per Institute norms.
- iv. Reimbursement of Children Education Allowance as per MoE, Government of India norms.
- v. LTC as per Government of India norms.
- vi. Medical Facilities to faculty and their dependent family members as per GoI norms.
- vii. Quarters facilities with Wi-Fi & Intranet service depending on the availability as per Institute
- viii. Fresh appointees will be covered under the New Pension Scheme [NPS-2004] as per Government of India rules.

#### **D. Application Process**

- 1. The Application form has to be submitted both in online and printed mode (Hardcopy with all necessary enclosures).
- 2. To submit the Application in online mode, click on the link posted on the NITT website (<a href="https://www.nitt.edu">https://www.nitt.edu</a>), register in the recruitment portal and 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.
- 3. This online facility will be available in the Institute website <a href="www.nitt.edu">www.nitt.edu</a> from 14.06.2023. The online application process will be closed on 04.07.2023 at 5.30 p.m.
- 4. Candidates applying for more than one Department/position are required to submit **separate Application Forms** both in online mode and printed mode (with all necessary enclosures).
- 5. Candidate should pay a non-refundable Application processing fee per Department per post applied through online payment as below:
  - Rs.2500 (Rupees Two Thousand Five Hundred Only) for General/OBC and EwS candidates.
  - Rs.1250/- (Rupees One Thousand Two Hundred and Fifty Only) for SC/ST/PwD candidates.
  - Rs.5000/- (Rupees Five Thousand Only) for Indian National applying from abroad.
  - Application processing fee once paid will not be refunded under any circumstances.
- 6. Candidates are advised to make sure that all the details entered are correct before Final Submission. 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 candidate is liable for criminal action.
- 7. To submit the Application form in printed mode (hard copy), after final submission through online, download and take printout of the filled Application Form, sign it and enclose the self-attested photocopies of the certificate/testimonials/documents/publications/etc. as per the instructions (Instructions to Submit the Hardcopy of the Application) given at the end of this document and send the hardcopy of the Application Form to "The Registrar, National Institute of Technology, Tiruchirapplli-620015, Tamil Nadu" by Speed Post/Registered Post to reach on or before 11.07.2023 by 5:00 p.m. mentioning the cover "Application for the Post of \_\_\_\_\_\_ in the Department of \_\_\_\_\_".
- 8. Incomplete Application/ Application without requisite 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.
- **9.** Candidates employed in Government and Quasi-Government Organizations, Public Sector Undertakings, Autonomous bodies of Govt. of India or the State Government **must apply through their present employer.**
- 10. Institute will not be responsible for any postal delays or loss of the application during transit.
- 11. The applicants are requested to visit the website of the Institute periodically for any updated information regarding the recruitment process.

- 12. Candidates shall indicate **two referees** with whom they have worked/ studied/ acquainted. The Institute will seek letter of recommendation from the referees **directly**.
- 13. The Institute reserves the right to modify/ defer or cancel full / part of the advertisement / recruitment at any stage of processing without assigning any reason thereto.
- 14. The Institute shall retain the applications of non-shortlisted candidates and non-selected candidates only for **three months** after the completion of recruitment process.
- 15. The date for determining eligibility of candidates in every respect i.e. qualifications, experience and preferred age limit etc. shall be considered as on the **closing date**, i.e. the last date of the submission of online application form (including for the case of in-breeding).
- 16. The shortlisted candidates will be required to appear for the presentation and interview. No TA/DA will be paid for attending screening test and/or presentation. However, for PwD candidates appearing for interview, TA/DA will be paid as per GoI norms.
- 17. For those candidates who are in service (Govt. / Quasi Govt. / PSUs / State or Central Universities / Educational Institutions), their application must be forwarded through proper channel and should furnish a No Objection Certificate from the Competent Authority of the serving organization, at the time of presentation and/or interview. Otherwise they may not be allowed to appear in the presentation and/ or interview. However, they can submit the advance copy of the application form.
- 18. The Institute reserves the right to fill or not to fill any or all the posts advertised.
- 19. The Caste/Tribe/Community certificates in the proforma prescribed and issued by any of the authorities stated in the OM No. 36012/6/88-Estt. (SCT), dated 24.4.1990 and OM No. 36012/22/93-Estt. (Res.), dated 15.11.1993, GoI, No. 36028/1/2014-Estt (Res), dated 3<sup>rd</sup> September, 2015 will only be accepted as sufficient proof in support of a candidate's claim belonging to Schedule Caste/ Schedule Tribe/ Other Backward Class (NCL). Relevant Caste / Tribe / Community certificates are required to be submitted with duly completed application form. No other certificate will be accepted as a sufficient proof.

The caste of the candidate must be in the state-wise central list of **SCs** given at https://socialjustice.gov.in/common/76750

or

https://socialjustice.gov.in/writereaddata/UploadFile/Compendium-2016.pdf

The caste of the candidate must be in the state-wise central list of **STs** given at <a href="https://tribal.nic.in/ST/LatestListofScheduledtribes.pdf">https://tribal.nic.in/ST/LatestListofScheduledtribes.pdf</a>

- 20. OBC (NCL) certificate submitted in support of the claim of reservation under this category (Non-Creamy Layer) must be obtained from the competent authority on or after 1<sup>st</sup> April 2023. The certificate should clearly mention that the candidate belongs to non-creamy layer and the caste of the candidate must be in the state- wise central list of OBCs given at <a href="http://www.ncbc.nic.in/User\_Panel/CentralListStateView.aspx">http://www.ncbc.nic.in/User\_Panel/CentralListStateView.aspx</a>
- 21. Persons with disability (PwD) shall be required to submit the Disability/Medical Certificate in the proforma prescribed and issued by the competent medical authorities for the purpose of employment as per Government of India norms with duly completed application form. Persons suffering from not less than 40% of the disability shall only be eligible for the benefit of reservation under this category. The certificate will be rejected if the disability is less than 40%.

- 22. Economically Weaker Sections (EWS) certificate submitted in support of the claim of reservation under this category must be obtained from the competent authority on or after 1st April 2023. Only those candidates shall be considered for reservation under EWS category, if gross family annual income is below Rs. 8.00 lakh (Rupees eight lakh only) for the financial year prior to the year of application. The term "Family" for this purpose will include the person who seeks benefit of reservation, his/her parents and siblings below the age of 18 years, his/her spouse and children below the age of 18 years. Also, persons whose family owns or possesses any of the assets as mentioned in GoI, No. 36039/1/2019-Estt (Res), dated 31st January, 2019 shall also be excluded from being identified as EWS, irrespective of the family income. The Economically Weaker Sections (EWSs) certificates in the proforma prescribed and issued by any of the authorities stated in the OM No. 36039/1/2019-Estt. (Res) dated 31.01.2019 will only be accepted as sufficient proof in support of a candidate's claim for belonging to EWS. EWS certificates are required to be submitted with duly completed application form. No other certificate will be accepted as a sufficient proof.
- 23. Original documents along with one set of self-attested copies will have to be produced at the time of presentation and/or interview for verification; otherwise they may not be allowed to appear in the presentation and/or interview. No correspondence shall be entertained in this regard.
- 24. Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement and/or on application in response thereto can be Instituted only at Madurai Bench of Honourable High Court of Judicature at Madras.

#### E. Requirement of Documents/Certificates/Degrees

**Self-attested** photocopies of the following documents (certificates/testimonials/etc.) are required to be enclosed with the printout of the Application form. These documents are required for supporting the candidature

- i. Printout of payment of fee, if applicable.
- ii. Age Proof: Matriculation/10<sup>th</sup> Standard/ Secondary or equivalent certificate indicating date of birth, or mark sheet of Matriculation/10<sup>th</sup> Standard or equivalent issued by Central/State Board indicating date of Birth will be considered in support of their claim of age. Where date of birth is not available in certificate/mark sheets, issued by the concerned Educational Boards Then School leaving certificate indicating date of Birth will be considered.
- iii. Higher Secondary / Class XII (or equivalent) board marks sheet.
- iv. Preceding Degrees: Degree certificate of UG and PG along with mark sheets pertaining to all the academic years as proof of educational qualification claimed. In the absence of a particular Degree certificate, mark sheets of the Degree program will be accepted.
- v. Essential qualification: Ph.D. Degree or Notification of Ph.D. award issued by the authorized signatory (not the Mentor/Supervisor/Head of the Department) except for the Department of Architecture.
- vi. Caste/Tribe/Community certificate: The relevant Caste/Tribe/Community certificate issued by competent authority.
- vii. The Disability / Medical certificate issued by competent medical authority.
- viii. Photo identity card [issued by govt. agency/last attended Institution/University]

- ix. Experience Certificate(s): Experience Certificate(s) from the Head(s) of Organization(s) for the entire experience claimed, clearly mentioning the duration of employment (date, month & year) indicating the Pay Level, Grade Pay and basic pay. The certificate(s) should also mention the nature of duties performed / experience obtained in the post(s) with duration(s).
- x. International / National Post-Doctoral Fellowships experience certificate offered by National Agencies of respective country and / or Post-Doctoral Fellowships offered by Institutions which are in QS / The World Ranking up to 500 will be considered for the post of Assistant Professor. The certificate(s) should also mention the nature of duties performed/experience & fellowship amount obtained during Post-Doctoral Fellowships with duration(s).
- xi. Printout of the first page of publications (only first page is required)
- xii. Any other relevant documents in support of the entries filled in application form.

	List of Enclosures of Advertisement					
Enclosure Subject Details						
A	NIT Statutes	<ol> <li>Gazette of India No. 243, dated 23, April 2009.</li> <li>Gazette of India No. 651, dated 24, July 2017-Schedule "E" of NIT Statutes (Amended 2017).</li> <li>MoE notification No. F.No.35-5/2017-TS.III, dated 27, October 2020. (Amendments in the Statutes of NITs and IIEST, Shibpur)</li> </ol>				
В	Recruitment Rules	<ol> <li>MHRD notifications No. F.No.33-9/2011-TS.III, dated 30, November 2017.</li> <li>MHRD notifications No. F.No.33-9/2011-TS.III, dated 04, December 2017.</li> <li>MHRD Clarification No. F.No.33-9/2011-TS.III, dated 31, January, 2018.</li> <li>MHRD Clarification No. F.No.33-9/2011-TS.III, dated 16, April 2019.</li> </ol>				
С	Reservation	<ol> <li>The Gazette of India, Part II., Section 1, No. 29, dated 09, July 2019 regarding "The Central Educational Institutions (Reservation in Teacher's Cadre) Act, 2019".</li> <li>The Gazette of India, Part II., Section 3, No. 2289, dated 12, July 2019 regarding "Extent of Reservation under CEI Act, 2019".</li> <li>GoI, No. No.36039/1/2019-Estt (Res), dated 31, January 2019 regarding "Reservation for EWSs".</li> <li>MHRD No. F.No.33-3/2018-TS.III, 05, dated November 2019 regarding Letter for Implementation of CEI Act, 2019.</li> <li>GoI, No. 36028/1/2014-Estt (Res), dated 03, September 2015 regarding "list of Authorities empowered to issue caste, community certificates".</li> </ol>				

Registrar (i/c)

#### INSTRUCTIONS TO SUBMIT THE HARDCOPY OF THE APPLICATION

- 1. After the final submission through online, take the printout of the filled application sign.
- 2. Take the printout of the "Credit Point Summary" sheet given in Annexure-III and complete.
- 3. Arrange the Print out of Application form, Credit point Summary sheet and self-attested photocopy of the certificates/documents/publications/etc. in order as given in Table below:

1	Print out of the Application Form
2	Check list given in Annexure-IV
3	Completed Credit Point Summary
4	Aadhar card (preferable) or any other identity proof issued by Govt. of India
5	Certificate for age proof
6	10 <sup>th</sup> mark sheet, 12 <sup>th</sup> mark sheet/Diploma mark sheet and Diploma certificate
7	UG degree certificate and UG degree mark sheets (Consolidated mark sheets)
8	PG degree certificate and PG degree mark sheets (Consolidated mark sheets)
9	Ph.D. Degree certificate and Ph.D. viva voce notice or any other document for the proof of date of viva voce
10	Experience certificate(s) (Teaching), if any, in chronological order from latest *
11	Experience certificate (Industry), if any, in chronological order from latest *
12	Proof for Sponsored Projects, patents and consultancy projects
13	Proof for Ph.D. guided details (starting from latest)
14	First page of Journal Publications (SCI/SCIE) starting from latest
15	First page of Journal Publications (SCOPUS) starting from latest
16	First page of Conference proceedings since last appointment (starting from latest)
17	Proof for institute level and department level administrative activities (since the last appointments)
18	Proof for Workshop/FDP/Short-Term courses organized (minimum 5-days) since the last appointment
19	Proof for organization of National level program like GIAN as coordinator (2-weeks/1-week) since the last appointment
20	Proof for Length of service over and above the relevant minimum teaching experience required for a given cadre
21	Proof for establishment of New Lab(s) (since the last appointment)
22	Proof for Theory Teaching of over and above 6 credit hour course
23	Proof for publication of Books- international publishers (since the last appointment)
24	Proof for publication of Books (national publishers) and book chapters (since the last appointment)
25	Proof for Outreach activities
26	Proof, if any, for Fellow IEEE, FNA, FNAE, FNASc
27	Proof for placement percentage (only for the placement officers or faculty incharge of placement) (since the last appointment)
28	Any other relevant documents

- \* The candidate should also attach supporting documents in support to the experience rendered such as self-attested copies of offer of appointment/ appointment letters, experience certificates, and salary slips/certificate at each level of experience/ Office order of pay-fixation etc.
- 4. Give the page numbers continuously. For example, AADHAR Page no.1, 10<sup>th</sup> Mark sheet Page no.2, ... etc. and fill the page number in the credit point summary sheet.

- 5. Applications which are not in the prescribed format, without relevant supporting documents and without fee payment receipt shall be summarily rejected. No correspondence shall be entertained in this regard.
- 6. The printout (hard copy) of the online application along with all requisite documents (arranged as mentioned in sl. No.3) must reach to the following address on or before 11.07.2023 (5:00 p.m.)

The Registrar, National Institute of Technology Tiruchirappalli, Tiruchirappalli-620015, Tamil Nadu.

Registrar (i/c)

## Annexure-I

## 1. Desirable areas of specialization

Sl.		Post and Pay	
No.	Department	Level in 7th CPC	Area of specialization
1.	Architecture (AR)	Assistant Professor (Grade-II) Pay Level 10 & Pay Level 11 Assistant Professor (Grade-I) Pay Level 12 Professor Pay Level 14A	B.Arch. and M.Arch. / M.Plan / M.Des / equivalent General Architecture, Landscape Architecture, Planning, Town Planning, Urban Planning, City Planning, Energy efficient and sustainable architecture, Digital Architecture, Building Engineering and Management, Building Technology, Urban Design, Conservation, Housing and Design.  B.Arch. and M.Arch. / M.Plan / M.Des / equivalent General Architecture and Landscape Architecture
2.	Chemical Engineering (CH)	Assistant Professor (Grade-II) Pay Level 10 & Pay Level 11	Ph.D. in Architecture.  B.E. / B.Tech. or equivalent in Chemical Engineering and M.E./M.Tech. in Chemical Engineering and related specializations.  Ph.D. specializations: Computational Chemical Engineering,
		Assistant Professor (Grade-I) Pay Level 12 Professor Pay Level 14A	Advanced Materials.  B.E./B.Tech. or equivalent in Chemical Engineering and M.E./M.Tech. in Chemical Engineering and related specializations.  Ph.D. specializations: Mathematical Modelling and Thermodynamics, Process Control, Advanced materials  B.E./B.Tech. or equivalent in Chemical Engineering and M.E./M.Tech. in Chemical Engineering and related specializations.
			Ph.D. in any of the following specializations: Transfer operations, Particulate technology, Thermodynamics, Process integration and optimization, Biochemical engineering, Advanced materials, Waste Valorization, Biorefinery engineering and advance wastewater treatment.
3.	Chemistry (CY)	Assistant Professor (Grade-II) Pay Level 10 & Pay Level 11 Assistant Professor (Grade-I) Pay Level 12 Professor Pay Level 14A	Inorganic Chemistry, Organic Chemistry, Physical Chemistry & Analytical Chemistry
4.	Civil Engineering (CV)	Assistant Professor (Grade-II) Pay Level 10	Ph.D. in desired area of specialization with B.Tech. / B.E. in Civil Engineering and M.E. or M.Tech. in the following specializations:  Environmental Engineering: Environmental Chemistry, Advanced water and waste water treatment, Air pollution management and modelling.  Construction Technology and Management: Lean Construction practices with supply chain management, building information modelling, project management with automation and digitalization planning in construction, value engineering.  Transportation Engineering: Transportation Systems planning, Transportation network analysis and optimization  Water resources engineering: Subsurface Hydrology, stochastic hydrology, sediment transport modelling, hydrologic extremes modelling.  Remote sensing: Hyperspectral remote sensing and applications, microwave remote sensing and applications, GIS and GPS and its applications.

		Assistant Professor	Ph.D. in desired area of specialization with B.Tech. / B.E. in
		Assistant Professor (Grade-II) Pay Level 11	Ph.D. in desired area of specialization with B.Tech. / B.E. in Civil Engineering and M.E. or M.Tech. in the following specializations:  Structural Engineering: Warping Influence on Cold-Formed Steel, Chloride-Induced Corrosion in RC Structures.  Transportation Engineering: Pavement performance modelling of low volume village roads
		Assistant Professor (Grade-I) Pay Level 12	Ph.D. in desired area of specialization with B.Tech. / B.E in Civil Engineering and M.E. or M.Tech. in the following specializations:  Structural Engineering: Condition assessment of reinforced concrete system; steel-concrete and composites; Uncertainty modelling and Sensitivity analysis of structures; Structural Dynamics and Vibration Control  Water resources Engineering: Urban Climate Modelling  Transportation Engineering: Traffic Modelling, pavement performance modelling of low volume village roads  Environmental Engineering: Advanced water treatment.
		Professor Pay Level 14A	Ph.D. in desired area of specialization with B.Tech. / B.E. degree in Civil Engineering and M.E. or M.Tech. in the following specializations: GIS and remote sensing: Geospatial Technology in Urban Planning, Transportation Planning, Structural Health Monitoring. Structural Engineering: Semi-light weight concrete with cold bonded aggregates.
5.	Computer Applications (CA)	Assistant Professor (Grade-II) Pay Level 10	Blockchain Technology, IoT, Service-oriented Architecture, Full Stack Development, Software Reliability.
		Assistant Professor (Grade-II) Pay Level 11 Assistant Professor (Grade-I) Pay Level 12	Computer Networks, Cyber Security, Image Processing, Computer Vision
		Associate Professor Pay Level 13A2 Professor Pay Level 14A	Information Processing, IoT, Cyber Security, Data Structures and Algorithms.  Data Compression, Image Processing, Computer Vision, Computer Organization and Architecture, Cloud Computing, Big Data Analytics.
6.	Computer Science and Engineering (CS)	Assistant Professor (Grade-II) Pay Level 10	B.E. / B.Tech. or equivalent in CS / CSE / IT and M.E. / M.Tech. / M.S. in CSE / IT and Ph.D. in any one of the following Specializations: Computer Architecture, Hardware Systems, Embedded Systems, Networking, Data Science, Knowledge Engineering.
		Assistant Professor (Grade-II) Pay Level 11 Assistant Professor (Grade-I) Pay Level 12 Associate Professor Pay Level 13A2 Professor Pay Level 14A	B.E. / B.Tech. in CS / CSE / IT and M.E. / M.Tech. / M.S. in CSE / IT / Equivalent, and Ph.D. in any one of the following Specializations:  Theoretical Computer Science, Algorithms, Graph Theory, Game theory, Computer Architecture, Microprocessors and Microcontrollers, Embedded Systems, Parallel Computing, High Performance Computing, Operating Systems, Computer Networks, Distributed Systems and Computing, Cloud Computing and Fog Computing, Internet of Things, Databases, Big Data Analytics, Data Science, Software Engineering, Software Systems, Information retrieval, Information Security, Hardware Security, Artificial Intelligence, Machine Learning and Deep Learning, Natural Language processing, Speech and Vision, Augmented and Virtual reality, Quantum Computing, Knowledge Engineering, Indian Knowledge system.

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7.	Electrical and Electronics Engineering (EE)	Assistant Professor (Grade-II) Pay Level 10	B.E./B.Tech. in Electrical and Electronics Engineering / Electrical Engineering M.E./M.Tech. in Electrical Machines, Power Systems, Power Electronics, High Voltage Engineering, Control Systems, Robotics, Instrumentation and Control, Bio-medical Instrumentation, Electronics Engineering, Applied Electronics, Embedded Systems, Sensors and loT, VLSI Systems, Communication Systems, Mechatronics, Avionics, Computer Science and Engineering, Data Analytics, Artificial Intelligence, Machine Learning or Equivalent Ph.D. in the area relevant to Electrical and Electronics Engineering
		Assistant Professor (Grade-II) Pay Level 11	B.E./B.Tech. in Electrical and Electronics Engineering / Electrical Engineering M.E./M.Tech. in Power Systems/Power Systems Engineering, Electrical Power Systems Management, Power Electronics, Power Electronics & Drives, Industrial Drives & Control Ph.D. in the area relevant to Electrical and Electronics Engineering
		Assistant Professor (Grade-I) Pay Level 12	B.E./B.Tech. in Electrical and Electronics Engineering / Electrical Engineering M.E./M.Tech. in Power Systems/Power Systems Engineering, Electrical Power Systems Management, Power Electronics, Power Electronics & Drives, Industrial Drives & Control Ph.D. in the area relevant to Electrical and Electronics Engineering
		Professor Pay Level 14A	B.E./B.Tech. in Electrical and Electronics Engineering / Electrical Engineering M.E./M.Tech. in Electrical Drives & Control, Energy Systems, Applied Electronics Ph.D. in the area relevant to Electrical and Electronics Engineering
8.	Electronics and Communications Engineering (EC)	Assistant Professor (Grade-II) Pay Level 10 & Pay Level 11	B.E./B.Tech. in Electronics and Communication Eng., Electronics and Telecommunication Eng., Electronics Eng., Electrical Communication Eng. M.E. / M.Tech. in Microelectronics, Embedded System, Embedded system automation. VLSI System / Design / Technology, VLSI Design and Automation Techniques, Communication Systems, Signal Processing, Internet of Things, Sensor and Internet of Things, Artificial intelligence and data science, Artificial Intelligence and Machine Learning. Ph.D. in Microelectronics, Embedded System, Embedded system automation. VLSI System/Design/Technology, VLSI Design and Automation Techniques, Communication Systems, Signal Processing, Internet of Things, Sensor and Internet of Things, Artificial intelligence and data science, Artificial Intelligence and Machine Learning.
		Assistant Professor (Grade-I) Pay Level 12	B.E./B.Tech. in Electronics and Communication Eng., Electronics and Telecommunication Eng., Electronics Eng., Electrical Communication Eng. M.E./M.Tech. in Microelectronics, VLSI System / Design / Technology, Communication Systems, Signal Processing, Microwave Engineering and Wireless communication. Ph.D. in Microelectronics, VLSI System/Design/Technology, Communication Systems, Signal Processing, Microwave Engineering and Wireless communication.
		Associate Professor Pay Level 13A2	B.E./B.Tech. in Electronics and Communication Eng., Electronics and Telecommunication Eng., Electronics Eng., Electrical Communication Eng. M.E. / M.Tech. in Signal Processing, Microwave Engineering and Optical Engineering. Ph.D. in Signal Processing, Microwave Engineering and Optical Engineering.

		Professor	B.E./B.Tech. in Electronics and Communication Eng.,
		Pay Level 14A	Electronics and Telecommunication Eng., Electronics Eng., Electrical Communication Eng.  M.E. / M.Tech. in Communication Systems, Applied Electronics, Microwave Engineering and Optical Engineering. Ph.D. in Signal Processing, Microwave Engineering, Optical Engineering and Wireless Networks
9.	Energy and Environment (EN)	Assistant Professor (Grade-II) Pay Level 10	B.E./B.Tech. or equivalent in Electrical and Electronics Engineering / Electrical Engineering and M.E./M.Tech. or equivalent in Energy Engineering / Renewable Energy Engg. / Energy conservation and management /Power and energy Engineering/ Power Electronics/Power Systems/Control System/ or any other relevant electrical engineering discipline. Doctoral (preferably from an energy centre or energy department)/ postdoctoral /industry / R&D work predominantly focused on energy aspects of renewable energy systems / alternative energy systems /advanced energy technologies.
		Assistant Professor (Grade-II) Pay Level 11	B.E./B.Tech. in Electrical and Electronics Engineering and M.E. / M.Tech. in Energy Engineering. Specialization in Radiation Analysis / ANN modelling of solar PV. B.E./B.Tech. in Mechanical Engineering and M.E./M.Tech. in Thermal Engineering. Specialization in Natural Convection in Magnetic Nanofluids.
		Assistant Professor (Grade-I) Pay Level 12	B.E./B.Tech. in Mechanical Engineering and M.E./M.Tech. in Energy Engineering. Specialization in Biomass thermochemical conversion/value added products from biomass / biochar applications.  B.E./B.Tech. in Electrical and Electronics Engineering and M.E./M.Tech. in Energy Engineering. Specialization in Radiation Analysis / ANN modelling of solar PV.
10.	Humanities and Social Sciences (HS)	Assistant Professor (Grade-II) Pay Level 10	For English: English Language and Literature For Economics: Economics
		Assistant Professor (Grade-II) Pay Level 11 Assistant Professor (Grade-I) Pay Level 12 Professor Pay Level 14A	For English: English Language and Literature, Gender Studies and Cultural Studies For Economics: Economics For English: Post Critical Studies, English Language Education, Second Language Learning For Economics: International Economics For English: English Language Teaching, 21st Century Skills Education For Economics: Industrial Economics, Entrepreneurship Development
11.	Instrumentation and Control Engineering (IC)	Assistant Professor (Grade-II) Pay Level 10	B.E. / B. Tech. in Instrumentation / Instrumentation and Control / Electronics and Instrumentation and PG in Instrumentation / Control / Applied Electronics, with Research Specialization in Artificial intelligence for measurement and control applications / Robotics in automation / Cyber Physical Systems / Cyber Security / Precision Measurement / Automotive instrumentation systems.
		Assistant Professor (Grade-II) Pay Level 11 Assistant Professor (Grade-I) Pay Level 12	B.E. / B. Tech. in Electronics and Instrumentation and PG in Instrumentation, with Research Specialization in Thin Film Sensors, Interfacing Circuits and Electronic Instrumentation.  B.E. / B. Tech. in Instrumentation and Control / Electronics and Instrumentation / Electronics and Communication and PG in Biomedical Engineering / Instrumentation Engineering, with Research Specialization in (i) Neural and Muscular Instrumentation systems and Signal processing for epilepsy diagnosis and human machine interface (ii) Hyperthermia treatment for cancer and passive wireless RFID sensors for
			condition monitoring and (iii) Thin Film Sensor, Interfacing Circuits and Electronic Instrumentation.

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F	Associate Professor Pay Level 13A2  Professor Pay Level 14A	B.E. / B. Tech. in Instrumentation and Control / Electronics and Instrumentation / Electronics and Communication and PG in Biomedical Engineering / Instrumentation Engineering, with Research Specialization in (i) Analog Electronics, Controller design and Process control, (ii) Diabetic foot biomechanics, Ulcer detection device, Diabetic neuropathy measurement system, Optical based device for disease diagnosis (iii) Neural and Muscular Instrumentation systems and Signal processing for epilepsy diagnosis and human machine interface and (iv) Hyperthermia treatment for cancer and passive wireless RFID sensors for condition monitoring.  B.E. / B. Tech. in Electronics and Instrumentation / Electrical and Electronics and PG in Instrumentation Engineering / Process Control and Instrumentation, with Research Specialization in (i) Next generation predictive controller, networked control system, multiple model based controller design and (ii) Automation of augmentative exoskeletons, vibration energy harvesting.
Studies (MG) (	Assistant Professor Grade-II) Pay Level 10 & Pay Level 11	Full time regular UG degree. Two years full time P.G degree in Master of Business Administration.  Ph.D. in Management/Business Administration with specialization in Finance/Corporate Strategy/Business Policy/Entrepreneurship/Indian Ethos/Business Ethics/Business Law/Digital Business.
	Assistant Professor Grade-I) Pay Level 12	Full time regular UG degree. Two years full time P.G degree in Master of Business Administration or Two years full time in M.E/M. Tech degree in Industrial Engineering/Management. Specialization in Master's degree with Human Resource Management and Organisational Behaviour /Marketing / Finance / Production and Operation Management. Ph.D. in Management/Business Administration with specialization in Human Resource Management and Organisational Behaviour / Marketing / Finance / Production and Operation Management.
F	Associate Professor Pay Level 13A2	Full time regular UG degree. Two years full time P.G degree in Master of Business Administration with specialization in Human Resource and Organisational Behaviour.  Ph.D. in Management/Business Administration with specialization in Human Resource and Organisational Behaviour.
F	Professor Pay Level 14A	Full time regular UG degree. Two years full time P.G degree in Master of Business Administration with specialization in Information Systems / Information systems and Technology. Ph.D. in Management/Business Administration with specialization in Information Systems / Information systems and Technology.
(MA) (	Assistant Professor Grade-II) Pay Level 11	Probability and Stochastic Process, Numerical Analysis
( <u>F</u>	Assistant Professor Grade-I) Pay Level 12 Associate Professor	Fluid Mechanics, Statistical Mechanics, Partial Differential Equations  Linear Algebra, Operations Research
F F	Pay Level 13A2 Professor Pay Level 14A	Fuzzy Decision Modelling, Numerical Analysis.

14.	Mechanical Engineering (ME)	Assistant Professor (Grade-II) Pay Level 10 & Pay Level 11	B.E. / B.Tech. in Mechanical Engineering. PG degree in Mechanical Design/ Engineering Design / Mechanical system Design / Industrial Safety Engineering / Quality Engineering / Thermal and fluid engineering / Turbomachines / Robotics / Mechatronics / Applied mechanics / Direct PhD.  Area of specialization in Mechanics of Machines / vibration / Safety Engineering / Metrology and Quality control / Fluid Mechanics / Robotics / Mechatronics
		Assistant Professor (Grade-I) Pay Level 12	B.E. / B.Tech. in Mechanical Engineering. PG degree in Engineering Design/Engineering Mechanics / Machine Design / Thermal Science and Engineering / Thermal Engineering / Direct PhD.  Specialization in Molecular Dynamics / Atomistic Modelling / Nanomaterials/ Finite Element Method/ Modelling of Nanostructures / Nonlocal Theories/Particulate emissions from welding/ Biomechanics/Low-Temperature Combustion / Advanced Combustion Concepts/Structural Health Monitoring/Microfluidics/ Non-Newtonian Fluid Flow/Refrigeration and Cryogenics/granular mechanics and discrete element modeling.
		Associate Professor Pay Level 13A2	B.E. / B.Tech. in Mechanical Engineering. PG degree in Mechanical Engineering with specialization in Design and production engineering (machine Tools). Specialization in Welding.
		Professor Pay Level 14A	B.E. / B.Tech. in Mechanical Engineering. PG degree in Energy Conservation and Management/ Energy Engineering/Design and Production of Thermal Power Equipment/ Refrigeration and Air Conditioning /Engineering Design/Manufacturing Technology/CAD-CAM.  Specialization in Alternative Fuels/Energy Engineering/Welding, Industrial Safety Engineering/ Renewable Energy/Refrigeration and Air Conditioning/Composite Materials/ MEMS/ Additive Manufacturing/CAD-CAM/Mechanical Measurements.
15.	Metallurgical and Materials Engineering (MT)	Assistant Professor (Grade-II) Pay Level 10 & Pay Level 11	Both UG and PG with first class in Metallurgy/Metallurgical Engineering / Metallurgical and Materials Engineering / Metallurgical Engineering and Materials Science / Materials Science and Engineering / Materials Engineering / Steel Technology / Advanced Materials / Physical Metallurgy /
		Assistant Professor (Grade-I) Pay Level 12	Extractive Metallurgy / Mechanical Metallurgy.  Ph.D. with specialization in Process Metallurgy, Extractive Metallurgy, Non-Metallic Materials, Physical Metallurgy, Non-destructive testing, Computational Materials Science, Mechanical behavior of materials OR Any emerging area of specialization related to its disciplines in Metallurgy / Metallurgical Engineering / Metallurgical and Materials Engineering / Metallurgical Engineering and Materials Science / Materials Science and Engineering / Ceramic Engineering / Polymer Technology / Electro-chemical Engineering.
16.	Physics (PH)	Assistant Professor (Grade-II) Pay Level 10	B.Sc. (Physics) / equivalent and M.Sc. (Physics) /M.Sc. (Applied Physics)/M.Sc. (Materials Science) Ph.D. in any of the following specializations: Condensed Matter Experimental Physics, Materials Science, and Non-Destructive Evaluation.
		Assistant Professor (Grade-II) Pay Level 11 Assistant Professor (Grade-I) Pay Level 12	B.Sc. (Physics) / equivalent and M.Sc. (Physics) /M.Sc. (Applied Physics)/M.Sc. (Materials Science) Ph.D. in any of the following specializations Theoretical Astrophysics, Theoretical Condensed Matter Physics, Theoretical High Energy Physics, Biophysics & Soft matter Physics

		Professor Pay Level 14A	B.Sc. (Physics) / equivalent and M.Sc. (Physics) /M.Sc. (Applied Physics)/M.Sc. (Materials Science)
			Ph.D. in any of the following specializations: Thin film and Thin film Photovoltaic, Quantum information and computation, Ferroelectrics, Carbon Nanomaterials.
17.	Production Engineering (PR)	Assistant Professor (Grade-II) Pay Level 10	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering.  M.E. / M.Tech. / M.S. in Manufacturing Technology, Production Technology, Production Engineering, Manufacturing Engineering, Manufacturing Science, Industrial Engineering, Industrial Management, Industrial Systems Engineering, CIM, Maintenance Engineering, Product design and development, CAD & Manufacturing, Mechatronics Engineering, CAD/CAM and Automation, Additive Manufacturing, Integrated Design and Manufacturing. Ph.D. field of Specialization: Operation Research, Data Analytics / Data Science, Maintenance Engineering, Quality Engineering, Smart Manufacturing, Supply Chain Management, System simulation, Robotics, Industry 4.0.
		Assistant Professor (Grade-II) Pay Level 11	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering.  M.E. / M.Tech. / M.S. in Manufacturing Technology, Production Technology, Production Engineering, Manufacturing Engineering, Manufacturing Science, Industrial Engineering, Industrial Management, Industrial Systems Engineering, CIM, Maintenance Engineering, Product design and development, CAD & Manufacturing, Mechatronics Engineering, CAD/CAM and Automation, Additive Manufacturing, Integrated Design and Manufacturing. Ph.D. field of Specialization: Machine Design, Design and Manufacturing, Machining, Additive Manufacturing, Micromachining, Mechatronics, Metal forming.
		Assistant Professor (Grade-I) Pay Level 12	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering.  M.E. / M.Tech. / M.S. in Manufacturing Technology, Production Technology, Production Engineering, Manufacturing Engineering, Manufacturing Science, Industrial Engineering, Industrial Management, Industrial Systems Engineering, CIM, Maintenance Engineering, Product design and development, CAD & Manufacturing, Mechatronics Engineering, CAD/CAM and Automation, Additive Manufacturing, Integrated Design and Manufacturing. Ph.D. field of Specialization: Metal Joining, Metal Forming, Advanced Machining. Machine Design, Design and Manufacturing, Machining, Additive Manufacturing, Micromachining, Mechatronics, Metal forming.
		Associate Professor Pay Level 13A2	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering.  M.E. / M.Tech. / M.S. in Manufacturing Technology, Production Technology, Production Engineering, Manufacturing Engineering, Manufacturing Science, Industrial Engineering, Industrial Management, Industrial Systems Engineering, CIM, Maintenance Engineering, Product design and development, CAD & Manufacturing, Mechatronics Engineering, CAD/CAM and Automation, Additive Manufacturing, Integrated Design and Manufacturing.  Ph.D. field of Specialization: Operation Research, Data Analytics / Data Science, Maintenance Engineering, Quality Engineering, Smart Manufacturing, Supply Chain Management, System simulation, Robotics, Industry 4.0.

Profe	essor	B.E. / B.Tech. in Production / Manufacturing / Mechanical /
Pay 1	Level 14A	Industrial Engineering.
		M.E. / M.Tech. / M.S. in Manufacturing Technology,
		Production Technology, Production Engineering,
		Manufacturing Engineering, Manufacturing Science, Industrial
		Engineering, Industrial Management, Industrial Systems
		Engineering, CIM, Maintenance Engineering, Product design
		and development, CAD & Manufacturing, Mechatronics
		Engineering, CAD/CAM and Automation, Additive
		Manufacturing, Integrated Design and Manufacturing.
		Ph.D. field of Specialization: Supply Chain Management,
		System Simulation, Evolutionary Optimization, Polymer
		Composites, Advanced Manufacturing, Polymer Joining,
		Tribology, Friction Composites, Additive Manufacturing,
		CAD/CAM/CIM

### 2. Vacancy Matrix

The vacancy matrix for the faculty positions at National Institute of Technology Tiruchirappalli is as under:

Sl.	Post and Pay			Vacanc	y		
No.	Level in 7 <sup>th</sup> CPC (AGP in 6 <sup>th</sup> CPC)	UR	OBC	SC	ST	EwS	Total
1.	Assistant Professor (Grade-II)	27	10 (2+8*)	3	3 (1+2*)	2	45
	Pay Level 10 (AGP Rs.6000)	(AR-1, CH-1, CY-1, CV-4, CA-1, EE-3, EC-1, EN-1, IC-1, MG-3, ME-5, MT-3, PR-2)	(AR-1, CY-1, CV-1, EE-1, EC-1, HS-1, MG-1, ME-1, MT-1, PR-1)	(CV-1, EE-1, MT-1)	(CH-1, CY-1, PH-1)	(CV-1, CS-1)	
2.	Assistant Professor (Grade-II) Pay Level 11 (AGP Rs.7000)	-	-	2* (CY-1, EE-1)	4* (AR-1, MG-1, ME-1, MT-1)	-	6
3.	Assistant Professor (Grade-I) Pay Level 12 (AGP Rs.8000)	-	1* (CV)	1* (HS)	2* (CA-1, PR-1)	-	4
4.	Associate Professor Pay Level 13A2 (AGP Rs.9500)	3 (CA-1, EC-1, PR-1)	1 (MA)	1 (CS)	-	-	5
5.	Professor Pay Level 14A (AGP Rs.10500)	2 (CV-1, IC-1)	-	1 (ME)	1 (EC)	-	4

<sup>\*</sup> Backlog vacancies