

Advertisement No. IITT/FACREC/01/2024

24-01-2024

IIT Tirupati, an Institute of national importance declared as such under the Institute of Technology Act, 1961, invites applications from qualified Indian nationals, including Persons of Indian Origin (PIOs) and Overseas Citizens of India (OCIs) for faculty positions at the levels of Assistant Professor, Associate Professor, and Professor in the Departments and research areas as indicated below:

S. No.	Department/Discipline	Research Area
1.	Chemical Engineering	1. Biomedical devices and sensors 2. Advanced materials - semiconductors and energy storage 3. Artificial Intelligence/Machine Learning/Data Science in Chemical /Bioprocess engineering
2.	Chemistry	1. Solid State Chemistry: thermoelectric materials, semiconductors 2. Electrochemistry: Materials for electrochemical energy storage (Battery) 3. Inorganic Chemistry: Main Group, Inner Transition Metal.
3.	Civil and Environmental Engineering	1. Geotechnical Engineering - Rock Mechanics & Underground Structures / Computational Geomechanics 2. Structural Engineering – Computational Structural Mechanics / Structural Dynamics & Earthquake Engineering 3. Transportation Planning 4. Geoinformatics – Lidar & Photogrammetry / Geo AI
4.	Computer Science and Engineering	All areas in Computer Science and Engineering
5.	Electrical Engineering	1. Electric Drives for Renewable Energy/Electric Vehicles 2. Control Theory 3. Analog/Digital VLSI 4. Signal Processing
6.	Humanities and Social Sciences	1. Urban and Regional Planning 2. Financial Economics / Finance 3. English Language Teaching (ELT)
7.	Mechanical Engineering	1. Industrial Engineering and Management 2. Applied Computational Fluid Dynamics 3. Biomechanics 4. Aircraft Design & Flight Performance
8.	Material Science and Engineering	1. Advanced Ceramics 2. Semiconductor Materials 3. Energy Storage / Functional Materials 4. Extractive Metallurgy
9.	Mathematics & Statistics	1. Statistics 2. Optimization 3. Number Theory 4. Numerical Analysis

S. No.	Department/Discipline	Research Area
10.	Physics	1. Observational Astronomy & Astrophysics 2. Experimental Photonics (Quantum Communication and Quantum Sensing) 3. Quantum Materials (DFT Calculations)

Note: IIT Tirupati reserves the right to focus on specific areas for its recruitment

The reservation policy of the Ministry of Education, Government of India regarding SC/ST/OBC(NCL)/EWS & Persons with Disabilities (PwD) will be applicable. Necessary supporting certificates must be enclosed along with the application form. Instructions from MoE issued till the date of the interview will be applicable. Women and reserved category candidates are encouraged to apply.

A. Academic Qualification (Minimum)

The required academic qualification for all faculty positions is a PhD in the relevant discipline with first class or equivalent (in terms of grades, etc.) at the preceding degree and a very good academic record throughout.

B. Experience

Assistant Professor Grade I

A minimum of three years of post-Ph.D teaching/research / professional experience, excluding the experience gained while pursuing Ph.D. The candidate should have demonstrated research capabilities in terms of publications in reputed journals and conferences.

Assistant Professor Grade II (contractural)

Candidates who meet all the criteria for Assistant Professor Grade I, except the post-Ph.D experience requirement may be appointed as Assistant Professor Grade II with appropriate pay based on the number of years of post-doctoral experience. Once they fulfill the experience criteria for Assistant Professor Grade I, an expert committee will review their credentials and contributions to consider their movement to Assistant Professor Grade I.

Associate Professor

A minimum of 6 years post-Ph.D teaching/research/professional experience of which at least 3 years should be at the level of Assistant Professor Grade I in IITs, IISc, IISERs, IIMs or at an equivalent level in any other Indian/Foreign Universities/Institutions/Industries of comparable level. The candidate should have demonstrated research ability with an excellent record of publications in reputed journals and conferences and must have supervised Ph.D students. Candidate should also have demonstrated excellent teaching abilities at higher educational institutions. It is desirable that the candidate has carried out laboratory development/course development/technology development/ innovative work leading to patents and has generated sufficient funding for research. The criteria of supervision of Ph.D students and teaching at higher educational institutions may be relaxed for candidates who join from the industry, with excellent research / professional track record.

Professor

A minimum of 10 years post-Ph.D teaching/research/professional experience of which

at least 4 years should be at the level of Associate Professor in IITs, IISc, IISERs, IIMs or at an equivalent level in any other Indian/Foreign Universities/ Institutions of comparable level. The candidate should have demonstrated leadership in research in a specific area, with an excellent record of publications in reputed journals and conferences and should have graduated Ph.D students. Candidates should also have demonstrated excellent teaching abilities at higher educational institutions. It is desirable that the candidate has carried out laboratory development/course development/ technology development/ innovative work leading to patents and has generated sufficient funding for research. It is also desirable that the candidate has external recognition in the area of specialization. Teaching and Ph.D guidance requirements may be relaxed for candidates from research labs if they have an exceptional research record.

C. Probation

Probation: Period of probation will be normally one year. However, the Institute may extend it if found necessary.

D. Application Fee

There is no application fee.

E. Salary and Benefits:

E.1 Basic Pay is tabulated below:

Position	Pay level and pay matrix (as per 7th CPC)	Basic Pay
Assistant Professor (Grade – II) (Fresh PhD)	Pay Level – 10; cell – 8 Pay matrix: 57,700 – 98,200	Rs. 70,900/-
Assistant Professor (Grade – II) (with 1 year of post PhD experience)	Pay Level – 11; cell – 3 Pay matrix: 68,900 – 1,17,200	Rs. 73,100/-
Assistant Professor (Grade – II) (with 2 years of post PhD experience)	Pay Level – 11; cell – 4 Pay matrix: 68,900 – 1,17,200	Rs. 75,300/-
Assistant Professor (Grade – I)	Pay Level – 12; cell - 1 Pay matrix: 1,01,500 – 1,67,400	Rs. 1,01,500/-
On completion of 3 years' service as Assistant Professor Grade-I in Academic Pay Level 12 (Rs.101500/-) shall move to Academic Pay Level 13A1 Cell 1 of the Pay Matrix (Rs.131400/-) as per the rules of the Institute.		
Associate Professor	Level 13A2; cell - 1 Pay matrix: 1,39,600 - Rs.2,11,300	Rs. 1,39,600/-
Professor	Level 14A; cell - 1 Pay matrix: 1,59,100-Rs.2,20,200	Rs. 1,59,100/-

E.2 The pay also carries all other allowances as admissible to a Central Government employee stationed at Tirupati. It includes benefits such as contributions towards the National Pension System (NPS), House Rent Allowance (HRA), Transport Allowance (TA), Leave Travel Concession (LTC), Medical reimbursement, Education allowance for children and Reimbursement of telephone bills, etc.

F. Age

- Associate Professor: Preferably below 45 years

- Assistant Professor Grade I : Preferably below **38** years
- Assistant Professor Grade II : Preferably below **35** years

The age will be reckoned as on the closing date of the online application. Age relaxation shall be extended to the SC/ST/OBC-NCL and PwD candidates as per the Government of India norms as indicated below :

Category	Age Relaxation
SC/ST	5 years
OBC-NCL	3 years
PwD	UR & PwD: 10 years, OBC-NCL & PwD: 13 years, and SC/ST & PwD: 15 years

Over and above, female candidates will have an additional three years of age relaxation.

OBC-NCL and EWS certificates issued on or after 01-04-2023 are valid for this advertisement.

G. Application Submission.

Applications are to be submitted online through the link for this advertisement at <https://iittp.ac.in/recruitment>. In case of any queries regarding the application submission, please contact:

Dean (Faculty Affairs)
Indian Institute of Technology Tirupati
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District,
Andhra Pradesh– 517619. Email : office_dofa@iittp.ac.in

H. Instructions for filling out the application form

- H.1 A single application form is sufficient for applying to multiple departments duly indicating the departments in the form in the appropriate columns. Enclosures are to be uploaded along with the application form, as separate documents (pdf preferred). The application form / data sheet is a summary sheet mainly for data collection for statutory and statistical purposes and all details should be in the attached Academic Profile as detailed below.
- H.2 Upload a detailed Academic Profile including the following information.
- Academic qualifications and experience (*certificates of all educational and experience should be uploaded*)
 - **Teaching plan** indicating core courses from the IIT Tirupati curriculum (available at the IIT Tirupati website) that the candidate can teach and also an expanded statement of his objectives and long term interests in coursework development. For those with prior teaching experience, the statement should contain student feedback ratings, profiles of 3 best courses taught by the candidate in the last five years (profile should contain course outline / teaching plan, novel

methods used, if any, including online content, term papers, group activity etc.,). The statement should also include details of any teaching related awards and details of participation in teacher development programs as participant or as mentor.

- **Research plan** highlighting current and past research interests and achievements as also future plans in the short and long terms. If applicable, highlight the accomplishments of research scholars guided, especially where one can take pride in the work done or the role played in guidance. *Candidates are required to upload reprints of three best papers published (for Associate Professor applicants are these papers should have preferably been published in the current position)*. In addition, include a write-up on (a) why the work is essential (context), (b) a short description of their technical contribution of these papers and (c) if based on collaboration with non-students, what is the candidate's specific contribution. The papers are to be uploaded in the upload section of the online application.
- Details of publications / conference papers presented, listing chronologically: Names of authors, title of the paper, name of the journal/conference, volume/proceedings, pages (from – to), year, etc. Group the above as Journal Publications and papers presented at National / International Conferences. *For each paper, include citation count and Journal Impact factors as available.*
- Awards, Patents, Technology transfer etc., indicating:
 - Nature, name of prize/award, awarded by, awarded for, year of award
 - Name of the patent, year and details about the patent, etc. as well as the candidate's specific contribution vis a via the co-inventors.
 - Technology transfer, if any.
- Research guidance (Ph.D./M.S. only those with formal guide status) to be listed:
 - Research degree, name of the scholar, title of thesis, year of award etc. The applicant's guidance role, i.e., is sole-guide/primary-guide/co-guide must be indicated. Research guidance in progress may be indicated separately along with milestone(s) reached.
- Role in and details of externally funded projects carried out to be listed:
 - Title of the project, duration, sponsor, value, co-investigators, if any, role of the candidate and specific contributions, etc. Candidates should highlight specific contributions, if any, to industry/pointing out the challenges overcome, the value of the work to the industry etc.
- Other Activities Like:
 - Text books and Monographs written with details,
 - Continuing education programs / conferences organized (as an organizer or co-organizer) etc.
 - Member in editorial board, editor etc.
- Important Service Roles (including building and student-centric roles) played in the Institute in which the candidate has worked, giving details of the roles undertaken,

significant accomplishments etc.

- Any other relevant but brief information on academic standing.

H.3 Candidates who are in receipt of Interview Call letters are alone to send at least two letters of reference directly to the *Dean, Faculty Affairs, IIT Tirupati either by post or by email (office_dofa@iittp.ac.in)*. The candidate can request the referee's directly send the recommendation to the *Dean, Faculty Affairs*.

I. Support for Professional Advancement of Faculty

- I.1. For candidates joining the Institute from abroad – Reimbursement of one-way economy class airfare for travel for new recruits and his/her immediate family for joining the Institute from his/her current place of work abroad and relocation allowance up to a maximum of Rs. 1,50,000/- or actual whichever is less, subject to the condition that they serve the Institute for a minimum period of 3 years for new recruits.
- I.2. For candidates joining the Institute from within India – Reimbursement of one-way economy class airfare for travel for new recruits and his/her immediate family for joining the Institute from his/her current place of work in India and relocation allowance up to a maximum of Rs. 1, 10, 000/- or actual whichever is less, subject to the condition that they serve the Institute for a minimum period of 3 years for new recruits.
- I.3. Initiation Grant of Rs. 2.50 Lakhs on joining for initial set up of Office Hardware and Software.
- I.4. After a review of proposals towards Faculty Start-up Grant up to Rs.22.50 lakhs for carrying out research.
- I.5. A Cumulative Professional Development Allowance (CPDA) of Rs. 3 lakhs for every block period of 3 years (Rupees one lakh per year) is made available to every member of the faculty on reimbursable basis to meet the expenses for participation in national and international conferences, payment of membership fee of professional bodies and contingent expenses.
- I.6. No limit on the attendance at International Conferences without Institute financial assistance without affecting the academic work in the Institute.
- I.7. Accommodation: On arrival, selected faculty may stay in Guest House up to two weeks.
- I.8. HRA at prevailing rate is admissible in case Institute accommodation is not provided.
- I.9. The Institute encourages interaction of the faculty with industry, other research and professional institutions. Consultancy is encouraged at IIT Tirupati and liberal consultancy policies are in practice.
- I.10. Professional visits can be undertaken during vacation period for carrying out scientific research work.
- I.11. Flexible Sabbatical Leave facility to collaborate with other researchers and industry.

J. Additional Information

- J.1. Permanent faculty positions are open to Indian Nationals, Persons of Indian Origin (PIO) and Overseas Citizens of India (OCI). Appointment of foreign nationals for

- fixed period on contract basis is permissible.
- J.2. Political and security clearance from Ministries of External Affairs and Home Affairs is necessary in every case for applicants with foreign passports.
- J.3. Pay shown above is the minimum. Higher starting pay may be offered to deserving candidates on the recommendations of the Selection Committee and at the discretion of the Board of Governors of IIT Tirupati.
- J.4. Candidates employed in Government and Semi-Government Organizations, Public Undertakings, University and Educational Institutions must apply through their present employer. All such candidates must send a copy of the application duly signed by the appropriate authority/No Objection Certificate by post/email to the Dean, Faculty Affairs, IIT Tirupati, Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, Andhra Pradesh – 517619 and also submit a copy of the **No Objection Certificate** at the time of Interview failing which they will not be interviewed.
- J.5. The Institute reserves the right to fill or not to fill any or all the posts advertised. Also, any consequential vacancies arising at the time of selection process may be filled up from the available candidates. Number of post are tentative only.
- J.6. The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement and other academic achievements.
- J.7. The invitation to candidate for interview merely indicates that he/she with others may be suitable for the post and conveys no assurance whatsoever that he/she will be recommended or selected or his/her conditions specified in the application will be accepted.
- J.8. The Institute reserves the right to shortlist and call only such candidates as are found prima-facie suitable for being considered by the Selection Committee. Thus, just fulfilling the minimum prescribed conditions would not entitle one to be called for Interview.
- J.9. No correspondence whatsoever will be entertained from candidates regarding reason for not being called for interview / outcome of interview. The decision of the Competent Authority of the Institute shall be final in all matters of selection.
- J.10. The Institute may consider candidates whose area of specialization lie outside those stated herein, provided these persons have an outstanding record.
- J.11. Outstation candidates called for personal interview will be reimbursed to & fro 2 Tier AC Railway fare or economy class airfare by the shortest route , between the current place of duty / residence within India and Tirupati (limited to Rs 25,000). If coming from abroad for personal interview, reimbursement is limited to Rs. 50,000/- (Rupees fifty thousand only) or the actual fare whichever is less based on the shortest route to Tirupati. *In case of air travel, tickets should be booked through, Balmer Lawrie & Co. Ltd, Ashoka Travels, and IRCTC.*
- J.12. 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 candidature / appointment is liable to be cancelled / terminated.

K. Important Date:

Opening date for online application: January 24, 2024

Closing date for online application: February 29, 2024

Candidates who face any technical problem while applying online application form may send their queries to the email id: facultyrmt_queries@iittp.ac.in

Sd/-
Registrar