

**Advt. No.: IITPKD/R/F/01/2024 Dated: 18 October 2024**

Indian Institute of Technology Palakkad, an Institute of National Importance under the Ministry of Education invites online applications from candidates with an established record of independent high-quality research, and commitment to teaching and research, for faculty positions at the level of Professor, Associate professor, and Assistant Professor Gr. I and Gr. II (as per the 7th Central Pay Commission). **Candidates from SC/ ST/OBC categories as well as women candidates are strongly encouraged to apply for the following positions.**

Sl. No.	Position	Pay Scale
1	Assistant Professor Gr II	Level 10 (Rs. 57,700- Rs. 98200) Level 11 (Rs. 68900 - Rs. 117200)
2	Assistant Professor Gr I	Level 12 (Rs.101500 -Rs.167400)
3	Associate Professor	Level 13A2 (Rs.1,39,600.00 - Rs.2,11,300.00)
4	Professor	Level 14A (Rs.1,59,100.00 -Rs.2,20,200.00)

Department and Areas of Specialization

Sl. No.	Department	Position	Areas of specialization
1	Chemistry	Associate Professor	Computational studies on organic transformations.
		Professor	Peptides design synthesis
2	Civil Engineering	Assistant Professor	Construction Management and Planning
		Associate Professor	1. Active control of structural vibrations 2. Wastewater treatment with resource recovery

			<ol style="list-style-type: none"> 3. Biomodified asphalt and bitumen rheology 4. Climate oscillation based extremes; hydrometeorological forecasting 5. Construction Management and Planning
3	Computer Science and Engineering	Assistant Professor, Associate Professor, and Professor	<ol style="list-style-type: none"> 1. Computer Systems 2. Theoretical Computer Science
4	Data Science	Assistant Professor, Associate Professor	All areas
5	Electrical Engineering	Assistant Professor	<ol style="list-style-type: none"> 1. Microwave, Millimetre wave and Terahertz Integrated Circuits including Antennas 2. Experimental Nanoelectronics and Semiconductor Devices (with experience in device fabrication in cleanroom)
		Associate Professor	<ol style="list-style-type: none"> 1. Sensors and Signal Conditioning Circuits 2. Power system monitoring and protection 3. Radar Signal Processing and Antennas 4. Multilevel Power Converter Design and Advanced Motor Drives 5. Digital VLSI design 6. Nonlinear control (Geometric mechanics and control; Nonlinear control of underactuated robotic systems); Networked control systems 7. Physical Layer Technologies for Wireless Communication Systems
6	Humanities and Social Sciences	Associate Professor	<ol style="list-style-type: none"> 1. Continental Philosophy 2. Development Economics

7	Mathematics	Assistant Professor	<ol style="list-style-type: none"> 1. Probability, Statistics and related areas such as Machine Learning Theory, Game Theory, and Optimization. Work must involve probabilistic/statistical tools. 2. Numerical Analysis
		Associate Professor	<ol style="list-style-type: none"> 1. Partial differential equations 2. Several complex variables
8	Mechanical Engineering	Associate Professor	<ol style="list-style-type: none"> 1. Grinding and advanced surface finishing. 2. Welding technology and process modeling. 3. Theoretical and applied fracture mechanics.
		Professor	<ol style="list-style-type: none"> 1. Immersed boundary methods and multiphase CFD. 2. Rotor dynamics and tribology.
9	Physics	Assistant Professor	Particle Physics
		Associate Professor	<ol style="list-style-type: none"> 1. Quantum Field Theory and String Theory 2. Experimental Biophysics - Mechanobiology, membranes and Adhesion 3. Single crystal growth and low temperature studies of Quantum Materials
		Professor	Nonequilibrium statistical physics, with active interest in theoretical biophysics and soft matter.

Qualification

Ph.D. in the relevant area of research, with first class or equivalent at the preceding (penultimate) degree in the appropriate branch with consistently good academic record throughout.

Experience

Professor	At least 10 years industrial / research / teaching experience (post Ph.D.) of which at least 4 years should be at the level of Associate Professor in IITs, IISc Bangalore, IIMs, NITs and IISERs or at an equivalent level in any such other Indian or foreign institution / institutions of comparable standards. The candidate must have a proven track record of research student guidance, research publications in peer-reviewed journals/conferences, and sponsored research/consultancy projects.
Associate Professor	At least 6 years industrial / research / teaching experience (post Ph.D.) of which at least three years should be at the level of Assistant Professor Gr. I (Pay Level 12 in 7th CPC) or equivalent. The candidate must have a proven track record of research student guidance, research publications in peer-reviewed journals/conferences, and sponsored research/consultancy projects.
Assistant Professor Gr. I (Level 12)	Candidates with at least three years (post Ph.D.) industrial / research / teaching experience will be considered for this post.
Assistant Professor Gr. II (Level 10 and 11)	Candidates with less than three years (post Ph.D.) industrial / research / teaching experience will be considered for this post.

Age Limit

- **Professor:** Preferably less than 55 years*
- **Associate Professor:** Preferably less than 45 years*
- **Assistant Professor:** Preferably less than 35, but not exceeding 40 years.

* May be relaxed in exceptional cases.

Relaxation in age to Scheduled Caste (SC), Scheduled Tribe (ST), Other Backward Classes - Non Creamy Layer (OBC-NCL), Persons with Disabilities (PwD) would be admissible as per Government of India norms. Three-year age relaxation will be given for women candidates where no other relaxation is applicable.

Application Form and Submission

- Applications are to be submitted online through the portal at <https://facap.iitpkd.ac.in> wherein all necessary instructions may be found.
- Applicants should click on the “Submit” button to complete the submission. The applicant will receive an email confirming the submission of the application.
- **The completed application along with all enclosures should be submitted through the portal on or before 23:59 hrs, 18 November 2024.**

General Instructions

1. Candidates desirous of applying for multiple posts may submit separate applications for each post through the portal.
2. The application portal requires the following to be uploaded as separate documents, preferably in PDF along with a passport-size photograph:
 - a. Curriculum Vitae (CV)
 - b. Teaching plan, indicating courses in the discipline that you can teach. An expanded statement of the objectives and long term interests in coursework development may be included. For those with prior teaching experience, the statement should preferably contain details of student feedback ratings, outline of courses taught by the candidate and novel methods used, if any. The statement can also include details of any teaching related awards and details of participation in teacher development programs as participant or as mentor.
 - c. Research plan, highlighting the current and past research interests and achievements, and also future plans in the short and long term. The plan should highlight how the work contributes or will contribute to advances in the field. The research plan may also briefly include details of sponsored and consultancy projects that are completed and ongoing, if applicable.
 - d. Copies of Ph.D. degree certificate and penultimate degree (degree immediately preceding Ph.D.) certificate, as well as copy of the penultimate degree marksheet.
 - e. Copies/Re-prints of your **three best** publications authored in the last 10 years, which best highlight your research contributions.
 - f. Copies of certificates for proof of category, physical disability and NOC, as applicable.
3. The application portal also requires data on the following:
 - a. The number of publications in peer-reviewed journals and international/national conferences, books and book chapters as well as patents filed/granted. A complete list of all publications/books/patents may be included in the CV, with the salient contributions of the best works of the candidate highlighted.
 - b. The number of externally funded projects and funding received. Specific details on the projects including sponsoring agency, value, status of project, co-investigators and the contributions made by the candidate may be included in the CV.
 - c. The number of students supervised/currently supervising (Ph.D./MS) as official guide / co-guide.

- d. Experience (**in months**) before and after Ph.D. in research and industry as well as teaching experience at UG/PG level. Details on courses taught and novel methods employed can be part of the teaching plan and also detailed in the CV.
 - e. Details of at least three referees who can provide an independent assessment of your abilities and contributions.
4. Any other information such as prizes and awards, organisation of conferences, reviewer for journals, member of editorial boards, outreach activities and administrative roles undertaken may also be clearly highlighted in the CV.

Travel And Relocation Allowance

1. For candidates joining the Institute, reimbursement will be made for one-way economy class airfare for travel subject to the condition that they serve the Institute for a minimum period of 3 years.
2. Relocation allowance of Rs. 50,000/- or actual, whichever is less, towards transportation of personal effects is also provided for candidates joining the Institute.

Support for Professional Advancement of Faculty at IIT Palakkad

1. An initiation/start-up grant of up to Rs.10.00 lakhs is available to new faculty members on joining, to be used for initial research set up, travelling to conferences etc. There is also the possibility of a higher start-up grant, based on a proposal for carrying out a research project of 3 years duration, on a selection basis.
2. A Cumulative Professional Development Allowance (CPDA) of Rs.3.00 lakhs for every block period of 3 years (Rs.1.00 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.
3. Exploratory Research Grant (ERG) of up to Rs.25.00 lakhs to support faculty members to conduct innovative research projects, enabling them to secure external sponsored projects.
4. Special Leave up to a period of two months for faculty externship program, which offers a unique opportunity to faculty to associate with specific industries to enhance their research and professional network, explore potential industry collaborations and partnerships, and gain practical insights into industry trends and challenges.
5. The Institute encourages interaction of the faculty with industry, other research and professional institutions. Consultancy is encouraged and liberal consultancy policies are in practice.
6. Professional visits can be undertaken during the vacation period for carrying out scientific research work.
7. Flexible Sabbatical Leave facility.
8. Research and Development activities are strongly encouraged in all Disciplines. As an Institute currently being set up, faculty members joining the Institute will have the

all-important task of acquiring modern and contemporary equipment and services for their research work.

9. Advanced laboratories and computing facilities exist in the Institute that caters to the experimental and computational research needs in engineering and physical sciences.
10. The Institute has a well-stacked library which is being augmented continuously with access to several e-journals.

Other Information

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 a fixed period ON CONTRACT basis is permissible.
2. Security clearance from the Ministries of External and Home Affairs is necessary in every case for individuals with foreign passports.
3. The positions are on a regular basis with a probation period of one year.
4. Allowances as applicable to Central Government employees located in Palakkad will be paid.
5. Latest certificates should be submitted by the candidates claiming reservations.
6. Relaxation in age to Scheduled Caste (SC), Scheduled Tribe (ST), Other Backward Classes-Non Creamy Layer (OBC-NCL), Persons with Disabilities (PwD) would be admissible as per Government of India Norms. **Three-year age relaxation will be given for women candidates.**
7. Candidates employed in Government and Semi-Government Organizations, Public Undertakings, Universities and Educational Institutions **must submit a No Objection Certificate (NOC)** from their present employer.
8. The institute reserves the right to not fill up the posts, cancel the advertisement in whole or in part without assigning any reason and its decision in this regard will be final and binding. The institute also reserves the right to extend the closing date for receipt of applications.
9. 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. Shortlisting of candidates called for interview will be done by the selection committee area-wise/ discipline-wise.
10. The invitation to a candidate for interview merely indicates that it is felt 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.
11. No correspondence whatsoever will be entertained from candidates regarding the reason(s) for not being called for an interview/outcome of the interview.
12. The Institute may consider candidates whose area of specialization lie outside those stated herein, provided these persons have an outstanding record.
13. Outstation candidates called for a personal interview will be paid economy class domestic airfare/ 2nd AC train fare by the shortest route.

14. The candidate is responsible for the correctness of the information provided in the application. The Institute may verify the antecedents and documents submitted by a candidate during the tenure of his/her service. In case, it is detected that the documents submitted by the candidate are fake or the candidate has a clandestine antecedents/background and has suppressed any information, then his/her service shall be terminated and legal action may also be initiated against such candidates/employees.
15. Addendum/Corrigendum, if any, with respect to this advertisement and/or related to the recruitment process will be uploaded in the Institute website only. No other means of communication will be used for the same. Therefore, candidates are advised to periodically visit the Institute website for updates, if any.
16. In case of any inadvertent mistake in the process of selection which may be detected at any stage even after the issue of appointment letter, the institute reserves the right to modify/withdraw/cancel any communication made to candidates.
17. In case of any disputes/ ambiguity arising out of the recruitment, the decision of the Institute shall be final. Legal disputes, if any, regarding the above will be restricted within the jurisdiction of Palakkad only.
18. Canvassing in any form shall lead to disqualification of candidature.

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Registrar
IIT Palakkad