

3. Description of the posts and required qualifications: -

3.1 Assistant Professor Grade-I

As per 7th CPC, the minimum pay to be fixed at Rs. 1,01,500 p.m. (Pay Matrix Level 12) along with other allowances as per IIPE norms. After completion of 3 years of satisfactory service, they may be placed in pay matrix level 13A1 along with other allowances, however designated to be Assistant Professors.

Qualification: The candidate must have Ph.D. with First Class or equivalent at the preceding degree in the appropriate branch with consistently good academic record throughout.

Experience: At least 3 years industrial/research/teaching experience after completing PhD, excluding the experience gained while pursuing Ph.D.

3.2 Assistant Professor Grade II

Candidates with less than 3 years' industrial/research/teaching experience after completing Ph.D. for direct recruitment as Assistant Professor Grade-I, may be taken as Assistant Professor Grade II. At the entry level, they may be placed at the appropriate pay level of VII CPC scales, on par with other IITs, with minimum Pay to be fixed at Rs. 70,900 p.m. Once selected in this position, the candidate will be considered for Tenure Track for the post of Assistant Professor Grade I upon reaching the required work-experience.

For Assistant Professor Grade II and Assistant Professor Grade I positions, the candidates should be preferably below 40 years of age.

3.3 Associate Professor

As per 7th CPC, the minimum pay to be fixed at Rs. 1,39,600 p.m. (Pay Matrix level 13A2) along with other allowances as per IIPE norms.

Qualification: The candidate must have Ph.D. with First Class or equivalent at the preceding degree in the appropriate branch with consistently good academic record throughout.

Experience: A minimum of 6 years teaching/research/professional experience, of which 3 years should be at the level of Assistant Professor, Senior Scientific Officer/Senior Design Engineer in a research organization or industry.

Candidates should be preferably below 45 years of age.

3.4 Professor

As per 7th CPC, the minimum pay to be fixed at Rs. 1,59,100 p.m. (Pay Matrix level 14A) along with other allowances as per IIFE norms.

Qualification: The candidate must have Ph.D. with First Class or equivalent at the preceding degree in the appropriate branch with consistently good academic record throughout.

Experience: A minimum of 10 years teaching/research/professional experience, of which at least 4 years should be at the level of Associate Professor in an academic institute or equivalent position in a research organization or industry.

The candidate should have demonstrated leadership in research in a specific area of specialization in terms of guidance of M.Tech. and Ph.D. students, and has a strong record of sponsored research, publications in reputed journals and referred conferences, patents, laboratory/course development and other recognized relevant professional activities.

Candidates should be preferably below 55 years of age.

4. Particulars of specializations required in each department.

| Ser | Department | Specialisation |
|-----|-------------------------|--|
| 4.1 | Petroleum Engineering | All areas in Petroleum Engineering. |
| 4.2 | Chemical Engineering | All areas in Chemical Engineering. |
| 4.3 | Mechanical Engineering | All areas in Mechanical Engineering. |
| 4.4 | Chemistry | All areas in Chemistry |
| 4.5 | Mathematics | Probability&Statistics,PartialDifferential Equations, Algebra, ComplexAnalysis, Commutative Algebra, Evolutionary Game Theory, Optimisation, Algebraic Geometry, Functional Analysis |
| 4.6 | English | All areas with special emphasis on soft skills programs. |
| 4.7 | Counsellor (Psychology) | With a special attitude for counselling the students, staff & faculty |

Important Note

❖ **Reservation:** Without any compromise on qualification, experience and competence, reservation for SC/ST/OBC/PWD categories is applicable as MHRD/Government of India rules. Necessary certificates must be enclosed with the application form.

❖ IIFE reserves the right to focus on specific areas for its recruitment. The fields mentioned above are meant to be indicative of the departments' current requirements, which may change without notice. However, outstanding candidates in any field relevant to the department will also be considered. The institute reserves the right to add/ delete/ modify the requirements depending upon the future needs and exigencies. Prospective candidates are advised periodically to visit the institute website for updates.

- ❖ If a candidate is interested in applying to more than one department, she/he should submit separate application for each of the department of interest. Applications are welcome throughout the year and they will be taken up for screening for interview from time to time.
- ❖ Recruitment will be based on the need in given areas within the department. However, exceptionally meritorious candidates in any area of specialization pertaining to the said department will also be considered.
- ❖ The institute reserves the right to fill or not fill any or all of the advertised posts. Mere fulfillment of the qualifications and experience requirement does not entitle the candidate to be called for an interview.

Incentives for Pursuing Excellence in Teaching and Research

- Innovative Research Grant under the Institute Research Grant (IRG) will be provided to new faculty members upto a maximum of Rs. 25 Lakhs for equipment and infrastructure and an additional Rs. 3 Lakhs for consumables, contingency and travel as per norms of the institute.
- A Cumulative Professional Development Allowance (CPDA) of Rs. 3 lakhs for every block period of 3 years (Rupees one lakh per year) may be made available to every member of the faculty on reimbursable basis to meet the expenses for participating in both national and international conferences, paying the membership fee of various professional bodies and contingent expenses.
- An additional amount of Rs. 50,000/- is given to a faculty member for attending conferences abroad who is a Principal Investigator of a Sponsored Project amounting to at least Rs. 15 lakhs and has at least three published papers in referred journals in the preceding three years.
- Reimbursement of relocation charges within India / abroad of up to Rs. 1,50,000/- to the faculty members at the time of their joining as per the norms of IIPE.
- Interest free soft advance of Rs. 50,000/- to the newly recruited faculty members.
- Honorarium of Rs. 15,000/- per month to the faculty members who are the S.S. Bhatnagar awardees OR who are Fellow of at least two National Academies.
- Transport Allowance and reimbursement of Telephone bills upto Rs. 1500/- per month as per rules.
- Free local telephone facility in the Department.
- Children Education Allowances (CEA) / LTC facility as per Government of India rules.
- Medical Allowances for self and other dependent family members will be provided as per Institute rules.

GENERAL INFORMATION

- Minimum requirement of experience may be relaxed in respect of outstanding candidates.
- Degree obtained by the candidate should have been awarded by a recognized University / Institute.
- Mere eligibility shall not vest any right on any candidate for being called for interview. The decision of the Institute in all matters will be final. No correspondence will be entertained from the candidates in connection with the process of selection / interview.
- The Institute reserves the right to call for interview only those candidates shortlisted on the basis of their qualification, experience, research and publication records and departmental/specialization requirement, interaction session arranged by IIPE, etc.
- Candidates staying abroad are required to atleast attend in person for one of the Interaction or Final interview when he/she asks to attend by skype or video conferencing interview for one of them. Preferably he/she has to attend in person for final interview if called for.
- A person working in Govt. Organization / Autonomous Bodies / PSUs etc. will be required to produce the *No Objection Certificate* before the interview or should send his / her application through proper channel also.
- The Institute reserves the right to fill or not to fill any or all the posts advertised.
- Persons employed in Government organizations / quasi government organizations should submit their application through proper channel.
- Travel support to the extent of 2nd AC train fare or actual expenditure whichever is less by the shortest route within India will be reimbursed. Those who are shortlisted for final interview maybe paid Airfare (Economy) by the shortest route within India for attending final interview.
- Canvassing in any manner may entail disqualification of the candidature.
- Any dispute with regard to the selection / recruitment process will be subject to the Courts / Tribunals having jurisdiction at Visakhapatnam only.
- Candidates possessing requisite qualification & experience are required to apply **online only**. Offline applications, if submitted will be summarily rejected.
- **Last date of closing of online application is 24.07.2020, IST.**

Academic Profile which includes the following information:

Academic qualifications and Experience in an academic CV format.

A Teaching Plan. Indicating core courses from the IIPE core coursed master list (available at the IIPE website) that you can teach and also an expanded statement of your 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 include 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 a participant or as mentor.

A Research Plan. Highlighting your current and past research interests and achievements. Also, include your 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 his/her **three best papers published papers (for Professor applicants 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, the candidate's specific contribution.

Details of journal/ conference papers, listed in reverse chronological order:

Names of the authors, the title of the paper the name of the journal/ conference, volume/ proceedings, pages (from – to), year, DOI if available, etc. Group the above as Journal Publications and those papers presented at National/ International Conferences. For each paper, include citation count and Journal Impact factors as available.

Awards, Patents, Prizes etc listing:

- Nature, the name of prize/ award, awarded by, awarded for, year of the award.
- Name of the patent, year and details about the patent, etc. as well as the applicant's specific contribution vis-à-vis the co-inventors.

Research guidance (Ph.D./ M.S. only with formal guide/ co-guide status) listing:

Research degree, the name of the scholar, title of the 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 Sponsored Research & Consulting projects carried out, listing:

Type, 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, pointing out the challenges overcome, the value of the work to the research community/ industry.

Other activities like:

- Text books and Monographs written, with details on contributions.
- Continuing education programs/ conferences organized (as an organizer or co-organizer) etc.

Important service roles: (institution building and student-centric roles) played in the institute in which the candidate has worked, giving details of the roles undertaken, significant accomplishments etc.

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