FACULTY OPENINGS

IIT Bhubaneswar invites applications for faculty positions from Indian nationals including Persons of Indian Origin (PIO) and Overseas Citizen of India (OCI) who are exceptionally bright and motivated, with an established record of independent, high quality research and commitment to teaching.

For further details, and online submission of application against this rolling advertisement, please visit http://www.iitbbs.ac.in/faculty-advt-02/2019.php

Those who had applied against the advertisement no. Rectt/01/ 2019 are requested to update their biodata available in the new portal.

MINIMUM QUALIFICATION

Ph.D. with first class or equivalent in the preceding degree in appropriate branch, with a consistently very good academic record and evidence of ability to pursue independent high quality research. University toppers at Bachelors and Masters Level are encouraged to apply.

EXPERIENCE

Professor:

A minimum of 10 years teaching/research/industrial/professional experience of which at least 4 years should be at the level of Associate Professor in IITs, IISc Bangalore, IIMs, IISERs or at an equivalent level in any such Indian or foreign institutions of comparable standards.

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

Associate Professor:

At least 6 years teaching/research/industrial/professional experience of which at least 3 years should be at the level of Assistant Professor in IITs, IISc Bangalore, IIMs and IISERs or at an equivalent level in any such Indian or foreign institutions of comparable standards OR Senior Scientific Officer/Senior Design Engineer in a research organization or industrial enterprise.

The candidate should have demonstrated capability and adequate experience of independent research in terms of guidance of Masters and Ph.D. students, sponsored research, publications in reputed journals and referred conferences, patents, laboratory/course development and/or other recognized relevant professional activities.

Assistant Professor Grade-I:

Eligible candidates with at least 3 years teaching/research/industrial/professional experience preferably in IITs, IISc Bangalore, IIMs and IISERs or at an equivalent level in any such Indian or foreign institutions of comparable standards *excluding the experience gained while pursuing Ph.D,* may be considered for the position of Assistant Professor Grade-I*****. Candidates should be highly motivated towards teaching and research and should have demonstrated research capabilities in terms of publications in reputed journals and referred conferences.

Assistant Professor Grade-II:

Eligible candidates with less than 3 years of relevant experience (as described for Assistant Professor Grade-I), may be considered for the position of Assistant Professor Grade-II***** with appropriate starting pay. Once selected in this position, the candidate will be considered for the post of Assistant Professor Grade-I upon gaining the required experience.

*****Appointment to these positions may be made on tenure track basis as per the decision of the 53rd IIT Council in its meeting held on 27th September, 2019 for implementation in all IITs.*

Visiting Faculty Position

Depending on the immediate teaching requirement of the Schools/discipline, an applicant called for interview for regular position may be offered Visiting Faculty position for a period not exceeding 3-years with annual review. For such positions, select candidates will be offered consolidated monthly remuneration and other benefits as per Institute rule.

AREAS OF SPECIALIZATION:

[*Note: Special emphasis will be placed in recruiting in the areas indicated in italics*]

Computer Science and Engineering:

Artificial Intelligence, Cryptography and Cyber Security, Cloud Computing, Cyber Forensics, Data science, Virtual Reality and Cyber Physical System,

Architecture and Organization, Computer Networks, Compiler Design, Distributed and Parallel Algorithm, Database Management, Game Theory, High Performance Computing, Machine Learning, Natural Language Processing, Operating Systems, Software Engineering

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Electronics and Communication Engineering:

Wireless & Mobile Communication, Detection Systems, Embedded and Cyber Physical Systems, Integrated Circuits & VLSI Design, Digital Signal Processing, Optical Communications, Micro-electronics

Communication Networks and Switching, Microwave and RF Engineering, IoT, Electronics devices and circuit

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Electrical Engineering:

Control Systems Engineering, Power Electronics and Drives, Electrical Machines, Energy Science and Engineering, Measurement and Instrumentation, Power System

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Civil Engineering:

Water Resources Engineering, Geotechnical Engineering, Transportation Engineering, Construction Technology and Management

Structural Engineering, Environmental Engineering, Geotechnical Engineering, Transportation Engineering

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Mechanical Engineering:

Micro-robotics, Micro- and Nano-manufacturing, Structural Dynamics, Computational Mechanics, Tribology, Bio-mechanics, Product Design and Development, Combustion, Virtual and Augmented Reality

Controls Engineering, Supply Chain Management, Data Analytics, Continuum Mechanics, Metal Forming (Plasticity), Computational Fluid Dynamics, Heat Transfer.

Metallurgical and Materials Engineering:

Extractive Metallurgy (ferrous and non-ferrous), Chemical/Process Metallurgy, Minerals Processing, Physical Metallurgy, Mechanical Metallurgy, Corrosion Engineering,

Essential : B. Tech in Metallurgy

Chemistry:

For Assistant Professor: Experimental Physical Chemistry (Electrochemistry/ Spectroscopy), Physical Organic Chemistry, Main-Group Inorganic Chemistry

For Professor & Associate Professor: All fields of physical, organic, inorganic and analytical chemistry

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Physics:

For Assistant Professor: All areas of fundamental and applied physics: with special emphasis on Theoretical Condensed matter physics, Quantum and non-linear photonics and cosmology/LIGO

For Professor & Associate Professor: All areas of fundamental and applied physics

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Mathematics:

All areas of Pure and Applied Mathematics, Probability and Statistics, and Theoretical Computer Science

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Geology and Geophysics:

Geophysics, Igneous and/or Metamorphic Petrology

Ore Geology, and Structural Geology

Atmosphere and Ocean Sciences:

Physical Oceanography (with observational experience)

Atmosphere/Ocean/Climate Modelling, Physical and Dynamical processes of Atmosphere and Ocean

Humanities, Social Sciences and Management:

Economics: Behavioural Economics, Financial Economics, Developmental Economics, Natural Resource Economics, Ecological Economics and Climate Change

English: English Language Teaching, Linguistics, Literature, Media and Popular Culture, Cultural Study

Psychology: Organisational Psychology and Human Resource Management, Neuro Marketing, Decision Making and Crisis Management, Positive Psychology and Psycho Linguistics

Management: Operations Management, Financial Management, Marketing Management, Entrepreneurship & Small Ventures, Management Information Systems, Supply Chain Management and Strategic Management.

Philosophy: Indian Philosophy, Philosophy of Science, Philosophical Aesthetic, Ethics, Philosophy of Language

Interested candidates may apply with their:

❖ Curriculum vitae, list of publications (with urls of important publications for online access)

❖ Proposed research and teaching plan.

❖ School in which the candidate proposes to work.

❖ Names and Addresses (with email addresses and contact numbers) of at least three referees.

RESERVATION:

The Institute strongly encourages applications from qualified women and reserved category candidates.

Without any compromise on qualification, experience and competence, reservation at entry level will be applicable as per G.O.I. norms. The candidates belonging to the reserved category (SC/ST/OBC/PwD) are required to attach the Caste/Category Certificate in the format as prescribed by the Govt. of India. The Institute follows the Central list in the case of SC/ST, OBCs & PwD. GOI policy on reservation of faculty positions also include persons with Physical disability.

SCALE OF PAY IN 7ᵗʰ PAY COMMISSION (Revised periodically as per GOI order)

Position	Pay Level	Minimum Pay in Pay Level	Approximate Gross Salary*
Professor	14A	Rs. 159,100	Rs. 209,430
Associate Professor	13A2	Rs. 139,600	Rs. 184,470
Assistant Professor Grade-I	13A1 (On completion of 3 Years of service in Pay Level 12 will be eligible for Pay Level 13A1)	Rs. 131,400	Rs.173,724
	12	Rs. 101,500	Rs. 135,452
Assistant Professor Grade-II	11 (in case of more than 1 Year post-PhD experience)	Rs. 68,900**	Rs. 93,724
	10 (in case of less than or Equal to 1 Year post-PhD experience)	Rs. 70,900	Rs. 96,284

* Calculated at the minimum of the scale which includes (Basic, AGP, DA, HRA, Transport allowance, Telephone allowance and NPS).

** Presently Minimum pay in Pay Level 11 is Rs. 68,900/- (Gross Salary Rs. 93,724/- approx.). Case is under process for its enhancement to Rs. 84,800/- (Gross Salary Rs. 114,076/- approx.)

ALLOWANCES

For Regular Faculty positions:

1. All allowances as admissible to a Central Government employee stationed at Bhubaneswar are payable. The benefits such as HRA, LTC, medical re-imbursement, education allowance for children, and contribution towards National Pension System (NPS) etc. shall be as per the Institute norms.

2. Suitable accommodation will be provided on availability in a clean and green environment of the Institute Campus.

3. A Cumulative Professional Development Allowance (CPDA) of Rs. 3 lakhs for every block period of 3 years on reimbursement basis will be admissible to meet the expenses for: participating in international/national conferences; membership fees of professional bodies; book grant; telephone charges; contingency etc. as per Institute guidelines.

4. Seed research grant up to Rs. 20 lakhs to initiate research project in a chosen area.

5. Reimbursement of relocation expenses at the time of joining as per Institute norms where applicable.

For Visiting Faculty positions:

1. Medical Insurance coverage of Rs. 1.00 Lakh per annum for self and spouse including payment of premium to all faculty positions.

2. The remuneration would be calculated taking into account the pension drawn per month in case of retired Professors. Both pension and remuneration taken together should not exceed the last pay drawn.

3. Consolidated monthly remuneration is fixed by the Institute at the time of selection of candidates.

4. Depending upon the qualifications and experience, a higher starting salary may be offered in deserving cases as decided by the Selection Committee.

NOTES

1. Applicants desiring to apply for more than one School should submit separate application for each School. Candidates will not require registering multiple times at the portal to apply for multiple positions.

2. For the post of Assistant Professor, the candidates should be preferably below 35 years of Age.

3. Mere eligibility will not vest any right on any candidate for being called for interview.

4. Minimum requirement of experience may be relaxed in respect of outstanding candidates.

5. The Institute reserves the right to call only the requisite number of candidates for interview after short listing in terms of the Schools' requirement, candidates' qualification, suitability, experience and the status of decisions about the candidate in earlier selections.

6. The Institute reserves the right to fill or not fill any or all of the advertised posts as it may deem fit.

7. *Depending on requirement, interview may be conducted in select specializations only. However, exceptionally meritorious candidates in any area of specialization pertaining to the said specialization will also be considered.*

8. 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.

9. **The decision of the Institute in all matters of selection is final.**

10. **NO INTERIM ENQUIRIES SHALL BE ENTERTAINED.**

11. **Canvassing in any manner would entail disqualification of the candidature.**

HOW TO APPLY

Candidates possessing the requisite qualifications and experiences are requested to apply online at **http://www.iitbbs.ac.in/faculty-advt-02/2019.php** following the instructions therein. The online portal will allow the candidate to print the filled-in application after successful electronic submission. The portal will also allow for editing after submission.

S/d

Registrar