Indian Institute of Technology Kharagpur, an Institute of national importance, is the first and largest in the chain of IITs engaged in teaching, research and development requires faculty for its various academic units. The Institute invites application from Indian nationals, Non Resident Indians (NRIs) and Persons of Indian Origin (PIOs) *, possessing excellent academic background, commitment to top quality teaching and proven credentials for carrying out outstanding research and development for the following Departments / Centres / Schools:

[*] Foreign nationals (other than PIOs and NRIs) are also invited to apply for faculty position for fixed tenure not exceeding five years on contract basis.

**Departments :**

i) Aerospace Engineering  
ii) Agricultural and Food Engineering  
iii) Architecture and Regional Planning  
iv) Biotechnology  

Area of specialization:

- Chemical and Biochemical Engineering : Bioprocess Engineering (Design and Development of Bioreactors; Bioprocess modelling and simulation, Optimization and scale up; Metabolic engineering)  
- Genetics/Structural and functional Genomics/Environmental Microbiology/Molecular Microbiology/Synthetic Biology/Immunology/Structural Biology/Proteomics/Metabolomics.

v) Chemical Engineering  
vii) Civil Engineering  
viii) Computer Science and Engineering  
 ix) Electrical Engineering  
 x) Electronics and Electrical Communication Engineering  
 xi) Geology and Geophysics  
 xii) Humanities and Social Sciences  

Area of specialization:

- Human Resource (HR) preferably with specialization in Industrial Relations & Labour Laws; English; Sociology; Economics; Philosophy; Psychology; Foreign Languages (German, French, Spanish); History; Political Science; Sanskrit.

xiii) Industrial and Systems Engineering  

Area of specialization:


xiv) Mathematics  
vx) Mechanical Engineering  
vxvi) Metallurgical and Materials Engineering  
vxvii) Mining Engineering  
vxviii) Ocean Engineering and Naval Architecture  
vxix) Physics

**Centres :**

i) Advanced Technology Development  
ii) Cryogenic Engineering  
iii) Educational Technology  
iv) Materials Science  
v) Oceans, Rivers, Atmosphere and Land Sciences  
vii) P. K. Sinha Centre for Bio-Energy
vii) Reliability Engineering
viii) Rubber Technology;
ix) Rural Development.

Schools:

i) Bio Sciences
   Area of specialization:
   Ph. D. in any one of the following research areas:

ii) Energy Science & Engineering
   Area of specialization:
   - Energy Systems: Energy Conversion Systems for Oil, Gas, Coal, Solar, Wind, Biomass, Nuclear, Hydrogen, Ocean Waves, Waste; Power Systems - Power generation, distribution, transmission, access; Transportation Power Systems- Electric, and Hybrid Systems; Portable Power Systems; Fuel Cells; Integration of green energy sources in existing grid; Embedded generation systems; Smart grids; Electrochemical systems; New age Fuel systems and process development; Hybrid and electrical systems; Battery & Super-capacitors; Energy systems for marine, space and difficult terrains, Energy System Modelling.
   - Other Aspects of Energy Science & Engineering: Energy Materials; Energy Storage & Transportation; Energy Efficient Devices & Systems; Energy Efficient Design of equipment, buildings and appliances; Sustainable Energy; Conservation; Recycling and Management: Environment and Climate Change; Computational Aspects; Energy Economics; Energy by-product (particularly carbon) recycling, capture, sequestration and storage; Rural and small scale energy research.

iii) Environmental Science & Engineering.
    Ph.D. in Environmental Science and Engineering. Prior degree should preferably be in engineering discipline.

iv) G.S.Sanyal School of Telecommunications
v) Information Technology
vi) Medical Science and Technology
vii) Nanoscience & Technology
    Area of specialization:
    Ph. D. in any branch of science or engineering with research experiences in any one of the following research areas:

viii) Rajendra Mishra School of Engineering Entrepreneurship
ix) Rajiv Gandhi School of Intellectual Property Law
x) Ranbir & Chitra Gupta School of Infrastructure Design and Management
    Area of specialization:
    There is a paramount importance of organizing an infrastructure policy at the national, regional and local levels of India. The need for creating world-class infrastructure in India for augmenting a positive shift in global perception about India; garner a creative commitment of utilizing FDI in all sectors of infrastructure – physical, social, economic and ecological; and establish world-class utility and facility-based advanced infrastructure systems and their governance requires a proper research-industry interface. It is a matter of highest national responsibility to expedite the construction of this interface
and RCG SIDM in IIT Kharagpur is a bold response to the need. Moving to a great future of having a new state-of-the-art premise with modern computerized DESIGN Laboratory-driven, research and academic facilities, the school is gearing for new aspirations and targets.

Applications are therefore invited from bright young faculty for the position of Assistant Professor in Ranbir and Chitra Gupta School of Infrastructure Design and Management with PhD Degree having Planning/ Design/ Materials and resources utilization/ Construction and Finance/ Maintenance-Operation-Rehabilitation/ Management and Safety systems expertise in one of the six major research areas:

- Social Infrastructure (for instance, Health, Tourism, Education, Economic Innovation Hubs) Design and Management in the context of Livable/ Smart /Sustainable and Compact Urban Engineering/ Planning
- Transport and Transport-oriented Development (ToD) driven Physical Infrastructure Design and Management in the context of Livable/ Smart /Sustainable and Compact Urban Engineering/ Planning
- Ports facilities (Airport, Sea Ports and Riparian Networks) driven Special Economic Zone Logistics and Infrastructure Design and Management
- Industrial Parks and Energy / Ecology conscious Infrastructure Design and Management
- Advanced IT-driven E-governance and Infrastructure Finance Planning / Telecommunication Infrastructure driven Design and Organizational Management systems (inclusive of MEMS)
- Advanced Construction Project Management Skills and Techniques in - a) Sustainable Infrastructure Planning; b) Energy management in infrastructure; c) Infrastructure Project management; and d) Urban and Regional infrastructure and various ambit of Rural-urban contiguity infrastructure.

(Candidates may additionally have a look at: http://www.iitkgp.ac.in/RCGSIDM/thrustareas.html)

(xi) Vinod Gupta School of Management

(xii) Water Resources

**Posts : Professor, Associate Professor and Assistant Professor**

**Qualifications for the Post :** Ph.D. with first class or equivalent at the preceding degree in the appropriate branch with a very good academic record throughout.

**Experience for the Posts:**

**Professor :** A minimum of 10 years’ teaching / research / industrial experience of which at least 4 years should be at the level of Associate Professor in IITs, IISc Bangalore, IIMs, NITIE Mumbai and IISERs or at an equivalent level in any such other Indian or foreign Institution(s) of comparable standards.

**Associate Professor :** A minimum of 6 years teaching / research / industrial experience, of which at least 3 years should be at the level of Assistant Professor or equivalent positions in IITs, IISc Bangalore, IIMs, NITIE Mumbai and IISERs or in any such other Indian or foreign Institution(s) of comparable standards.

**Assistant Professor :** At least 3 years teaching / research / industrial experience, excluding however, the experience gained while pursuing Ph.D. Candidates with less than 3 years experience may be put on Tenure Track for the regular post of Assistant Professor.

**Pay Band (PB) and Academic Grade Pay (AGP) for the Posts:**

<table>
<thead>
<tr>
<th>Position</th>
<th>Pay Band (PB)</th>
<th>AGP</th>
<th>Minimum pay in Pay Band</th>
<th>Gross emoluments (approx) including DA/Transport Allowance at the prevailing rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>PB-4 `37,400-67,000/-</td>
<td>`10,500/-</td>
<td>`48,000/-</td>
<td>`124407/-</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>PB-4 `37,400-67,000/-</td>
<td>`9,500/-</td>
<td>`42,800/-</td>
<td>`111573/-</td>
</tr>
<tr>
<td>Assistant Professor*</td>
<td>PB-3 `15,600-39,100/-</td>
<td>`8,000/-</td>
<td>`30,000/-</td>
<td>`81972/-</td>
</tr>
</tbody>
</table>

* Assistant Professors in IITs, IISc Bangalore, IIMs, NITIE Mumbai and IISERs on completion of 3 years of service shall move to Pay Band of `37,400-67,000/- (PB-4) with an AGP of `9,000/- and will, however, continue to be designated as Assistant Professor.

**Reservation:** Without any compromise on qualification, experience and competence, reservation as per Government of India rules is applicable.
Accommodation: Suitable residential accommodation as per rules will be provided in the Campus of the Institute on joining the Institute.

Academic reimbursements and other incentives:

a) Innovative Research Grant under the Institute Scheme for Innovative Research and Development (ISIRD) be provided to new faculty members upto a maximum of `25 Lakh for equipment and infrastructure and an additional `3 Lakh for consumables, contingency and travel. Additionally, a number of Research Challenge grants are available.

b) A Cumulative Professional Development Allowance (CPDA) of `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.

c) An additional amount of `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 `15 Lakhs and has at least three Published Papers in referred journals in the preceding three years.

d) Reimbursement of relocation charges within India / abroad of upto `90,000/- to the faculty members at the time of their joining.

e) Interest free soft advance of `50,000/- to the newly recruited faculty members.

f) Honorarium of `15,000/- per month to the faculty members who have been awarded the S.S. Bhatnagar Prize OR who are fellows of at least two National Academies.

g) Transport Allowance and re-imbursement of Telephone bills upto `1500/- per month as per rules.

h) Free local telephone facility in the Department as well as residences within the campus.

i) Children Education Allowances (CEA) / LTC facility as per Government of India rules.

j) Medical facility for self and other dependent family members in the B C Roy Technology Hospital within the campus and for referrals to Speciality Hospitals as per IIT Kharagpur rules.

General Information

- Minimum requirement of experience may be relaxed in respect of outstanding candidates.
- Degrees referred above should have been awarded by a recognized University / Institute.
- Mere eligibility will 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 requirements, interaction in the department, etc.
- The candidates should be preferably below 35 years of age for the post of Assistant Professor.
- 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 extend of Air fare (economy class) by the shortest route within India and Institute Guest House facilities free of charges in the campus to for candidates for appearing the interview for faculty position.
- Canvassing in any manner may entail disqualification of the candidature.
- Any dispute with regard to the selection / recruitment process will be subject to Courts / Tribunals having jurisdiction over Kolkata.

Candidates possessing requisite qualification & experience are required to apply online (http://erp.iitkgp.ernet.in/FacultyCareer/homeFacultyCareer.jsp) on or before 30th June, 2015 and send a signed hardcopy print out of online application on or before 15th July, 2015 to “Assistant Registrar, E-III, Indian Institute of Technology Kharagpur–721302, WB, India”. Unless the hardcopy is received, the application will not be considered.

For any other details please contact Assistant Registrar, E-III, Phone: 03222- 282135/282137, Fax: 03222-282020, Email: asregre@adm.iitkgp.ernet.in / recsec@adm.iitkgp.ernet.in

If any problem encountered with online application, please contact through phone: +91-3222-281017/18/19.

Candidates may also contact the Heads of the various Departments / Centres / Schools. Their address, phone numbers and email are available on Institute webpage.

कुलसचिव / Registrar