



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
धनबाद-826004 (झारखण्ड), भारत

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD
DHANBAD-826004 (JHARKHAND), INDIA

No. 411002/1/2026-Dean(F)/1

Dated: 30 June, 2026

Advertisement for Assistant Professor (Grade - I/II)

Applications are invited from Indian Nationals including Persons of Indian Origins (PIOs) and Overseas Citizens of India (OCIs) and Foreign Nationals* for the posts of Assistant Professor (Grade - I/II) for the following Departments:

Sl. No	Department	Sl. No	Department
1	Applied Geology	10	Fuel, Minerals & Metallurgical Engineering
2	Applied Geophysics	11	Humanities & Social Sciences
3	Chemical Engineering	12	Management Studies & Industrial Engineering
4	Chemistry and Chemical Biology	13	Mathematics & Computing
5	Civil Engineering	14	Mechanical Engineering
6	Computer Science & Engineering	15	Mining Engineering
7	Electrical Engineering	16	Petroleum Engineering
8	Electronics Engineering	17	Physics
9	Environmental Science & Engineering		

Department wise specialization areas, specific qualifications/experience currently being sought for Assistant Professor (Grade - I/II) Recruitment for the aforementioned departments is available as Annexure-I.

The candidate should have established record of independent, high-quality research and commitment to teaching and research for Assistant Professor positions.

Interested and eligible candidates may apply through on-line portal available at the Institute's website (URL Link: <https://fr.iitism.ac.in>) .

The details of the vacancies are as under:

Name of the Post	No. of Vacancies						Remarks
	UR	SC	ST	OBC-NCL	EWS	Total	
Assistant Professor (Grade - I/II)	12	5	2	8	3	30	Out of 30 posts, 2 [#] posts are reserved for Divyang candidates. However these posts are suitable for the following categories of benchmark disabilities: (a) Low vision only; (b) Hard of hearing only ; (c) Locomotor disability including leprosy cured, dwarfism, and acid attack victims.

#01-post is reserved for Low vision; and 01-post is reserved for Hard of hearing only.

The Institute follows the reservation policy, as per GoI norms. Necessary supporting certificates must be enclosed with the application form to claim the benefit of reservation. Instructions from GoI/MoE issued till the date of interview will be applicable. The number of vacancies will be liable to change. The extant reservation will be as follows: SC-15%; ST-7.5%; OBC(NCL)-27%; EWS-10%; PwBD-4%. Women and PwD applicants are encouraged to apply.

*Foreign national here means a person who does not have either an Indian passport, or a PIO/OCI card. Foreign nationals can be offered contractual appointment for up to five years. The appointment can be renewed thereafter.

MINIMUM QUALIFICATION, EXPERIENCE, PAY AND OTHER INFORMATION

Minimum required Qualification and Experience for the posts are given below:

Cut-off date for reckoning the validity of caste/income certificate, age, educational qualification, experience, etc. will be the closing date of advertisement i.e **31.08.2026**.

I. QUALIFICATION & AGE

Ph.D. with first class or equivalent (in terms of grades, etc.) at the preceding degree in appropriate branch, with a very good academic record throughout. Candidate should have good CPI/CGPA/Percentage in Ph.D course work where ever applicable. The age limit for a UR candidate for Assistant Professor Position is preferably below 35 years. Age relaxation is applicable for OBC, SC/ST & PwD candidates as per norms.

II. EXPERIENCE

Assistant Professor	(a) Grade-II (Contract): Candidates with less than three years of post-Ph.D industrial/ research/ teaching experience may be considered for this post.
	(b) Grade I (Regular): Candidates with at-least three years of post-Ph.D industrial/ research/ teaching experience may be considered for the post.

III. APPLICATIONS SUBMISSION AND DEADLINE

- (a) The closing date to submit the online application(s) is **31.08.2026**.
- (b) Recruitment would be based on the need in a given area /specialization within the Department.

IV. PAY STRUCTURE AS PER 7TH CPC

- (a) ASSISTANT PROFESSOR Grade-II : 7th CPC Pay Level 10, Minimum Basic Pay: ₹ 70900/-**

The minimum starting basic pay to be fixed in Academic Pay Level-10 at Cell No.8 ₹ 70,900/-.

In such cases, on completion of one year of experience, the incumbent may move to Academic Pay Level-11 after completing the necessary requirements in this regard as per the norms of the Institute. Subsequent placement in Assistant Professor Grade-I will be based on internal performance assessment conducted after meeting experience requirements as per the norms of the Institute.

(b) ASSISTANT PROFESSOR Grade-I : 7th CPC Pay Level 12, Minimum Basic Pay: ₹ 101500/-

For direct recruits, minimum starting basic pay to be fixed in Academic Pay Level-12 at Cell No.1 ₹ 1,01,500/-. On completion of 3 years as Assistant Professor Grade-I, the incumbent may move to Academic Pay Level-13A1 (₹ 1,31,400 - 2,04,700) on the basis of internal performance assessment as per the norms of the Institute.

(c) Pay level along with approximate total emoluments at the minimum of the scale:

Post	7th CPC Pay Level	Total emoluments (Including 14% Employer's contribution under NPS)	
		Including House Rent Allowance**	Excluding House Rent Allowance
Assistant Professor Grade-II	Pay Level: 10 Minimum Pay: ₹ 70,900/-	₹ 1,49,262/-	₹ 1,35,082/-
Assistant Professor Grade-I	Pay Level: 12 Minimum Pay: ₹ 1,01,500/-	₹ 2,11,196/-	₹ 1,90,896/-

**In case of non-availability of accommodation inside the campus as per norms.

Apart from the basic pay above, the position carries allowances such as D.A., H.R.A, Transport Allowance and other applicable allowances as per rules of the Institute.

V. OTHER SUPPORT FOR FACULTY AS PER INSTITUTE NORMS

- 1. Professional Development Allowance (PDA)** of ₹ 3.0 Lakhs in a three year block, for attending conference in India and Abroad, paying membership fees of different professional bodies, books and periodicals and contingent expenses.
- 2. Research Support Grants (The following schemes are applicable for newly joined faculty (at the level of Assistant Professor only) and they have to apply within one year of their joining)**

- (a) **Faculty Research Scheme**: Initiation grant of up to ₹ 20 lakhs for a research project under FRS.
- (b) **Special Financial Support to Establish a Lab**: A Special Financial Support of ₹ 30 lakhs for purchase of equipment(s) to establish a laboratory in a department/centre.
- (c) **Collaborative Support Scheme for Interdisciplinary Lab Development** : A Special Collaborative Support Scheme up to ₹ 100 lakhs (₹ 20 lakh per faculty/per department) may be sanctioned for purchase of equipment(s) to establish an interdisciplinary laboratory based on the collaborative proposal submitted by a group of faculty members (3-5) from interdisciplinary departments of the Institute, subject to the availability of funds.
3. Telephone bill reimbursement upto ₹ 2000/- per month.
 4. Medical facilities for self and dependent family members. The Institute has tie-up with many leading hospitals of Dhanbad and major cities of India for cashless treatment for self and dependent family members.
 5. Children Education Allowance (presently ₹ 33750/- per annum per child) for maximum two children.
 6. Central DA (revised twice a year) and Transportation allowance (currently ₹ 3600 + DA).
 7. Leave Travel Concession for self and dependent family members to visit home town and anywhere in India as per norms. Fresh recruits are allowed to travel to their home town along with their families on three occasions in a block of four years and to any place in India on the fourth occasion. This facility is available for the first two blocks of four years after joining the Government/Institute for the first time. Leave encashment of 60 days in six different spells and upto 10 days on each occasion along with LTC as per norms.
 8. The institute will provide suitable on campus transit accommodation till the allotment of permanent accommodation to the new faculty members at IIT(ISM). No HRA shall be paid for stay in transit accommodation.
 9. Fully furnished office room shall be provided to all faculty members. One computing facility of approx. cost of Rs. 1.25 lakhs from Institute fund shall also be provided to the new faculty members.
 10. The Institute has the provision of Faculty Mobility Program to encourage the faculty members for research collaboration in India/Abroad.

11. The Institute has the provision of Sabbatical Leave/Special Leave/Special Casual Leave to encourage the faculty members for International / National research collaborations, prestigious competitive fellowships and other academic assignments as per norms.
12. Reimbursement of relocation charges up to a ceiling of ₹ 1.25 lakh for Indian Nationals (along with spouse) for joining from India/Abroad, subject to the condition that they will have to serve the Institute for a minimum period of 02 years.
13. Faculty joining from government organizations are eligible for transfer TA and joining time as per MoE/GOI rules.
14. Most of the day-to-day facilities are available on the Campus including State Bank of India Branch, India Post office, Canteens, Nescafe, Crèche for children, well equipped Health Centre with 24 hours emergency facility, Sports Activity Centre (SAC) including a Swimming Pool, Gymnasium exclusively for employees, Badminton Court, Lawn Tennis Court, Table Tennis, Squash Court, Yoga Hall, Basket Ball/Volleyball Court, Karate and vast play-grounds for field games such as Cricket/Hockey and Football/Athletics. The Institute has dedicated Sports Coaches for different games viz. Cricket, Athletics, Hockey, Table Tennis, Football, Lawn Tennis, Table Tennis, Badminton, Swimming, Gymnasium, Yoga, Karate etc. Other facilities include Scolomin Club, Children Activity Centre (Dedicated experts of Drawing, Dance, Music etc. visit weekly to teach the children of employees) and open gymnasium in Athletics ground and park.
15. There are many good reputed public/private schools operating in Dhanbad city. The Institute has tie-up with such schools for the hassle free admission(s) of the wards of the employees of IIT(ISM).

VI. NOTES

1. Candidate must fill the online application form at recruitment portal of IIT(ISM), Dhanbad.
2. Incomplete applications shall be summarily rejected and no communication in this regard shall be entertained.
3. 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

4. Without any compromise on qualification, experience and competence, reservation for SC/ST/OBC-NCL/PWD/EWS categories is applicable as per MoE/GOI rules. The candidates belonging to the reserved category (SC/ST/OBC-NCL/ PWD/EWS) are required to attach the Caste / Category/EWS Certificate in the format as prescribed by the Govt. of India. The Institute follows the Central list in the case of SC/ST and OBCs.
5. Higher initial pay is admissible to exceptionally qualified and deserving candidates.
6. Applicants who are employed in Government or Semi-Government Organizations will be required to produce a "NO OBJECTION CERTIFICATE" from their employer at the time of the interview.
7. Candidates applying for more than one department should apply separately. If the Institute finds that the candidate is deemed fit for another department(s), then the application of the candidate may be transferred to the appropriate department.
8. Certificates and relevant documents should be uploaded along with application form.
9. Candidates called for interview will be reimbursed train fare in AC 2 Tier/ Air Fare by Economy Class by shortest route within India. Air tickets must be purchased from the following Authorized Travel Agents:
 - (i) M/s Balmer Lawrie & Company Limited (BLCL)
 - (ii) M/s Ashok Travels & Tours (ATT)
 - (iii) Indian Railways Catering and Tourism Corporation Ltd. (IRCTC)
10. Political and security clearance from Ministries of External Affairs and Home Affairs may be necessary for individuals with foreign passports
11. A mere fulfilment of required minimum qualifications and experience does not entitle a candidate to be called for an interview/discussion.
12. The Institute reserves the right to reject any or all applications or it may amend any of the clauses as per the order of the competent authority/GOI.
13. The Institute reserves the right to fill or not to fill the posts advertised.
14. The institute reserves the right to cancel the recruitment without assigning any reason.
15. Canvassing in any manner may entail the disqualification of the candidature.

16. The Institute reserves the right to screen 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 the interview.
17. The Institute reserves the right to restrict the number of candidates to be called for interview to a reasonable limit on the basis of qualifications, experience and other academic achievements higher than the minimum prescribed in the advertisement.
18. The invitation to 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.
19. No correspondence whatsoever will be entertained from the candidates regarding postal delays, conduct and result of the interview, and reasons for not being called for interview or selection.
20. Any legal dispute with regards to the recruitment / selection process will be restricted to the jurisdiction of Dhanbad court only.

VII. How to Apply

The candidates may apply through the on-line portal available at the Institute website. For Specialization go to the link Department Wise Specialization available at the online portal.

For any clarification, please contact at the following email ID: recruitment@iitism.ac.in or call @ 0326-223-5204/5268 during office hours.

Dhanbad

Dean (Faculty)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES) DHANBAD

Department Wise Area of Specialization and Additional Criteria required for shortlisting of Assistant Professor Position (Grade I/II)

Sl. No.	Departments	Area of Specialization	Additional Criteria
1	Applied Geology	1. Geological, Geophysical Prospecting and Well Logging 2. Mining Geology: Methods, Drilling, Blasting, and Surveying 3. Mineral Characterization and Beneficiation	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>(B) Master's degree must be in one of the following: MS/M.Sc/M.Sc. Tech./Integrated M. Tech. / Integrated M.Sc.Tech./M. Tech. in Geology/Applied Geology/ Engineering Geology/Geoexploration/Petroleum Exploration/Mineral Exploration/Exploration Geology/ Geoscience/Geological Sciences /Earth Sciences/Marine Geology with BS/BSc in Geology/Applied Geology/Earth Sciences / Geosciences or Integrated Master degree/BS-MS with Geology/Applied Geology/Earth Sciences/Geosciences/ Geotechnology at Undergraduate level.</p> <p>C. PhD in relevant area.</p> <p>Publication Record: For Grade II: Minimum TWO publications in Q1/Q2 journals (WoS) as a first/corresponding author in peer-reviewed reputed journals in the relevant subject domain/specialization ("Quartiles [(Q1/Q2 (WoS))]").</p> <p>For Grade I: Minimum THREE publications in Q1/Q2 journals (WoS) as a first/corresponding author in peer-reviewed reputed journals in the relevant subject domain/specialization ("Quartiles [(Q1/Q2 (WoS))]"). The total no. of publications should be 5 or more in WoS journal. Post Ph.D minimum active THREE years Academic/Research/Industry experiences are required. * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
2	Applied Geophysics	Gravity Method, Magnetic Method, Electrical and Electromagnetic Methods, Geospatial Techniques, Exploration Seismic and Well Logging	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>(B) Basic (Master's) degree must be in one of the following: M.Sc/M.Sc. Tech./Integrated M. Tech. / Integrated M.Sc.Tech./M. Tech. in Applied Geophysics/ Exploration Geophysics/ Geophysical Technology/Geophysics or M.Sc.Tech. in Marine Geophysics or MS in Applied Geophysics/Geophysics with PhD in relevant area of specialization.</p> <p>Publication Record: For Grade II: Minimum TWO publications in Q1/Q2 journals (WOS) as a first author of which ONE publication with maximum THREE authors and the other publication will be in a Q1 journal (WOS). Total publications should be THREE in Q1/Q2 (WOS) in peer-reviewed reputed journals in the relevant subject domain/specialization ("Quartiles [(Q1/Q2 (WOS))]").</p> <p>For Grade I: Minimum THREE publications in Q1/Q2 journals (WOS) as a first author of which ONE publication with maximum THREE authors and the other publication will be in a Q1 journal (WOS). Total publications should be SIX in Q1/Q2 (WOS) in peer-reviewed reputed journals in the relevant subject domain/specialization ("Quartiles [(Q1/Q2 (WOS))]"). Post Ph.D minimum active THREE years Academic/Research/Industry experiences are required. * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p> <p>#Candidates who were previously called/shortlisted for departmental interaction on Research & Teaching for the position of Assistant Professor at IIT (ISM) Dhanbad, should have at least 01 (ONE) additional Q1/Q2 publication as the first/corresponding author or at least 01 (ONE) patent granted between the date of previous application and date of current application. A minimum gap of 01 (ONE) year between the date of previous application and date of current application</p>
3	Chemical Engineering	Molecular Simulations, Molecular Thermodynamics, Process Systems Engineering and control, Energy and environment, Process Safety and Hazard.	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <ol style="list-style-type: none"> 1. B.Tech./B.E. degree in Chemical Engineering. 2. M.E./M.Tech degree in Chemical Engineering. 3. Ph.D. (or direct Ph.D. after B.E./B.Tech.) in relevant research areas of Chemical Engineering. 4. For Grade I: Minimum 4 publications in Q1/Q2 (WoS) (excluding review articles) journals with at least 3 as first/corresponding author. 5. For Grade II: Minimum 3 publications in Q1/Q2 (WoS) (excluding review articles) journals with at least 2 as first/corresponding author. <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>

Sl. No.	Departments	Area of Specialization	Additional Criteria
4	Chemistry & Chemical Biology	1. Organic Chemistry 2. Inorganic chemistry 3. Physical Chemistry 4. Computational Chemistry (Preferentially Computational Chemistry in Materials Domain) 5. Materials Chemistry and Devices 6. Chemical Biology	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record. UG/PG: Master's degree in Chemistry / Chemical Sciences / Materials Science / Pharmaceutical Sciences / Biochemistry / Bachelor's degree (4-year) in Chemistry or Chemical Sciences / Integrated 5-year BS-MS in Chemistry or Chemical Sciences. PhD/Research: PhD/Research topic must align with the advertised specialization required for the Department Teaching Requirement: The applicant should be capable of teaching the Department's offered core and elective courses.</p> <p>Grade II: (i) Should have at least six (6) publications in Q1/Q2 (WoS) (excluding review articles) journals as a first or corresponding author. (ii) Should have at least one (1) publication Q1/Q2 (WoS) (excluding review articles) during the post-PhD period as first author or corresponding author.</p> <p>Grade I: (i) Should have at least seven (7) publications Q1/Q2 (WoS) (excluding review articles) journals as a first or corresponding author. (ii) Should have at least one (1) publications Q1/Q2 (WoS) (excluding review articles) during the post-PhD period as first author or corresponding author.</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
5	Computer Science & Engineering	Software Architecture and Engineering, Architecture and Design Automation, Theoretical Computer Science, Artificial Intelligence, Machine Learning, Operating Systems, Natural Language Processing, Information Retrieval, Formal Methods and Static Analysis, Compiler Design and Optimization, Embedded and Cyber-physical Systems, Computer Vision, Parallel and Distributed Computing and Systems, Networks, Databases and Data Analytics, Human Computer Interaction, Collaborative Computing, Quantum Computing, Security and Cryptography, Autonomous Intelligent Systems, and Scientific Computing.	<p>(1) Academic Record: Ph.D in relevant area, with a consistently good academic record. (2) The candidate must have (i) A 4-Year B.Tech. or equivalent degree in Computer Science and Engineering or allied fields, AND/OR (ii) An M.Tech. or equivalent degree in Computer Science and Engineering or allied fields.</p> <p>Grade I (i) Minimum no. of publications: 04 in Q1/Q2 journals (Web of Science). (ii) A minimum of three years of post-Ph.D. teaching / research / professional experience in reputed organization.</p> <p>Grade II (i) Minimum no. of publications: 02 in Q1/Q2 journals (Web of Science).</p> <p>(3) Candidates having more than 03 years of post – Ph.D experience should have at least 01 (ONE) additional publication in Q1/Q2 journals (Web of Science) OR at least 01 (ONE) patent (granted) for every additional year-of-experience beyond 03 years.</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
6	Civil Engineering	<p>1. Structural Engineering Specialization: Structural Health Monitoring, Digitalization and Automation in Construction & Structural Engineering, Construction Management & Planning 2. Water Resources Engineering Specialization: Urban Hydrology, Water Resources Systems & Management, Irrigation Engineering 3. Transportation Engineering Specialization: Pavement Performance Evaluation, Airport Operation Planning, Maritime & Railway Logistics 4. Geospatial Application in Civil Engineering</p>	<p>1. Academic Record: Ph.D in relevant area, with a consistently good academic record. 2. At least 3 published articles (for Grade-2) and 6 published articles (for Grade-1) as first or corresponding author in journals with Q1/Q2 as per Web of Science (WoS), of which at least 1 article must be in Q1 (WoS).</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>

Sl. No.	Departments	Area of Specialization	Additional Criteria
7	Electrical Engineering	<p>A. Control system</p> <p>B. Instrumentation</p> <p>C. Robotics and automation</p> <p>D. Power electronics for upcoming applications like electric traction, more electric aircraft, energy harvesting.</p> <p>E. AI applications in Power Engineering</p>	<p>1. Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>2. B.Tech/B.E. or equivalent degree should be relevant to Electrical Engineering or Electrical and Electronics Engineering or Electrical and Instrumentation Engineering or Electrical and Computer Engineering.</p> <p>3. M.Tech/M.E. (if applicable) should be relevant to the requirement of specializations or focus areas.</p> <p>4. For Grade-II: Minimum no. of publications: 02 in Q1/Q2 journals (Web of Science) excluding review papers but 01 publication must be in Q1 journal (Web of Science) as a first author or corresponding author.</p> <p>5. For Grade-I: Minimum no. of publications: 04 in Q1/Q2 journals (Web of Science) excluding review papers but 02 publications must be in Q1 journal (Web of Science) as a first author or corresponding author.</p> <p>6. For Assistant Professor Grade-I position, the gap between the most recent Q1/Q2 publication (as per Web of Science) or a granted Patent and the date of application to the Assistant Professor Grade-I position should not exceed three years.</p> <p>7. Candidates who have previously applied for the post of Assistant Professor in the department of electrical engineering at IIT (ISM) Dhanbad should have at least one new publication in Q1 journal [as per Web of Science] as a first author/main supervisor, or one patent granted between the date of previous application and date of recent application. Additionally, a minimum gap of one year is required between the date of previous application and date of recent application to the post.</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
8	Electronics Engineering	<ul style="list-style-type: none"> • Quantum Technologies, • Reliability, security, and performance-power efficient memory systems, • Analog and Mixed signal integrated circuits and systems design, • Electronics System Design, • VLSI Packaging, • Electronics/ Photonics Materials Engineering. • RF integrated circuits, • On chip Antennas, Phase antenna array • EMI/EMC, • RADAR Engineering, • Microwave system design, • RF/Optical Signal Processing, • THz technologies, • Meta-material and Meta-surfaces, • High Power Microwave Devices, • Integrated Circuit Design with emphasis on high-speed data communication and signal processing applications, • 6G Communication Systems Design, • IoT and Embedded Systems design, • Statistical/Biomedical Signal Processing, • Integrated Photonics, • Optical Communication. 	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <ul style="list-style-type: none"> • B.Tech./B.E in Electronics Engineering/Electronics and Communications Engineering/ Electrical & Electronics Engineering or in related specializations. • Integrated M.Tech./M.E. or Equivalent Degree in specializations related to the above. • The basic degree can be in Electrical Engineering discipline, provided the Master's/Ph.D. Degree must be in Electronics Engineering/ Electronics and Communication Engineering/Electrical & Electronics Engineering . <p>Publications:</p> <p>1. For Grade-II (Level 10 and 11): At least 02 (TWO) publications in Q1/Q2 journals (Web of Science) as 1st/Corresponding author, out of which at least 01 (ONE) paper must be published/accepted within last two years from the date of application.</p> <p>2. For Grade-I (Level 12): At least 04 (FOUR) publications in Q1/Q2 journals (Web of Science) as 1st/Corresponding author, out of which at least 01 (ONE) paper must be published/accepted within last two years from the date of application.</p> <p>3. Candidates having more than 03 years of post – Ph.D experience should have at least 01 (ONE) additional publication in Q1/Q2 journals (Web of Science) OR at least 01 (ONE) patent (granted) for every additional year-of-experience beyond 03 years.</p> <p>Furthermore:</p> <p>[A] Candidates who were previously called/shortlisted for departmental interaction on Research & Teaching for the position of Assistant Professor at IIT (ISM) Dhanbad, should have:</p> <p>(i) At least 01 (ONE) additional Q1/Q2 publication as the first/corresponding author or at least 01 (ONE) patent granted between the date of previous application and date of current application.</p> <p style="text-align: center;">&</p> <p>(ii) A minimum gap of 01 (ONE) year between the date of previous application and date of current application.</p> <p>[B] Candidates applying for Assistant Professor (Grade - I), should have three years of post-Ph.D. experience in the position of Assistant Professor (Grade - II) / DST-Inspire Faculty / Ramanujan Fellow or in an equivalent Research Position/Post (like Post Doctoral Fellow, Research Associate, etc.) at reputed organization or in an equivalent position in Industry.</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>

Sl. No.	Departments	Area of Specialization	Additional Criteria
9	Environmental Science & Engineering	Air Pollution Control, Environmental Geotechnology, Noise & Vibration, Remote Sensing & GIS, Environmental Geology, Biodiversity Conservation and Management, Environmental Policy & Legislation, Environmental Economics, Environmental Informatics, Carbon Capture Utilisation and Storage (CCUS).	<p>1) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>2) UG/PG degree must be in one of the following (or in equivalent specialization):</p> <ul style="list-style-type: none"> • Environmental Engineering • Environmental Science • Environmental Science and Engineering • Environmental Management • Environmental Technology <p>3) The candidate must have achieved Ph. D. in relevant field.</p> <p>For Grade II:</p> <p>(i) Minimum no. of publications: 02 in Q1/Q2 Journals (WoS) as first author or corresponding author, out of which at least one paper in Q1 Journal (WoS).</p> <p>For Grade I:</p> <p>(i) Minimum no. of publications: 04 in Q1/Q2 Journals (WoS) as first author or corresponding author, out of which at least two papers in Q1 Journal (WoS). * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
10	Fuel Minerals & Metallurgical Engineering	<p>1. Mineral Engineering</p> <p>2. Metallurgical Engineering</p> <p>3. Fuel & Energy Engineering</p>	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>1. Mineral Engineering B.Tech in Mineral/Mining/Metallurgical/ Chemical Engineering. M.Tech in Mineral/Mining /Metallurgical/ Chemical Engineering Ph.D. work & Preferred Academic/ Industry Experience - Process equipment selection and design/Plant engineering; Advanced mineralogical characterization & Geometallurgy; Predictive modelling and data-driven technologies; Material Accounting; Decarburization and Sustainable Technology; Critical minerals beneficiation; Coal preparation; Advanced Mineral Processing.</p> <p>2. Metallurgical Engineering B. Tech in Metallurgical Engineering. M.Tech in Metallurgy and Materials Engineering Ph.D. work & Preferred Academic/ Industry Experience - Ferrous & Non-Ferrous Extractive Metallurgy; Industrial Waste Utilization; Advanced Modelling and Simulation: Molten Salt Extraction, Electrochemistry.</p> <p>3. Fuel & Energy Engineering B.Tech in Fuel/Energy/ Mineral/Mechanical/Chemical Engineering. M.Tech in Fuel/Energy/Chemical Mechanical/ Mineral Engineering Ph.D. work & Preferred Academic/ Industry Experience - Coal and Biomass Gasification, Combustion & Carbonisation; Coke and Bio-coke Making; Modelling & Simulation of Energy Systems; Hydrogen Production, Storage & Utilisation; Syngas and Biofuel Utilisation for Energy, Chemical and Metallurgical Applications; Solar Thermal Energy Technology & Storage; Carbon Capture Utilization and Storage (CCUS), Decarbonisation & Sustainability; Carbon Credit, Energy Policy. Academic background: Applicants should have a good academic track record with First class from 10th onwards. Publications: Grade-I: At least 4 original research articles publication in Q1/Q2 (WoS) journals as first author. Grade-II: At least 2 original research articles publication in Q1/Q2 (WoS) journals as first author. * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
11	Humanities & Social Sciences	<p>Philosophy: Logic/Continental Philosophy/Philosophy of Education</p> <p>Digital Humanities: All areas</p> <p>Sociology: Sociology of Education</p> <p>Sanskrit: All areas</p>	<p>1. Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>2. Number of publications required For</p> <p>Grade II: Atleast 1paper in Q1 or 2 papers as First/Corresponding author in Q2 Journals based on SJR/WOS/WOS Extended</p> <p>Grade I: 3 papers as First/Corresponding author in Q1 Journals based on SJR/WOS/WOS Extended</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>

Sl. No.	Departments	Area of Specialization	Additional Criteria
12	Management Studies & Industrial Engineering	<p>1. Organizational Behaviour& Human Resource Management: HR Analytics, Organizational Development & Change Management, Industrial Relations and Labour Laws, Human Resource Development.</p> <p>2. Business Analytics: Information Systems, Data Mining, Big Data, Machine Learning.</p> <p>3. Finance and Accounting: Financial Accounting; Financial Analytics, Financial Markets and Institutions, Quantitative Finance, Behavioural Finance.</p> <p>4. Operations Management and Industrial Engineering: Systems Engineering, Technology Management, Quality Management, Supply Chain Management.</p>	<p>1. Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>2. Publication Requirements: For Assistant Professor (Grade II), a minimum of 2 research publications in Q1/Q2 journals indexed in JCR (Web of Science) or journals ranked A/A* in the ABDC list as 1st/Corresponding author. For Assistant Professor (Grade I), a minimum of 3 research publications in Q1/Q2 journals indexed in JCR (Web of Science) or journals ranked A/A* in ABDC list as 1st/Corresponding author. * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
13	Mathematics & Computing	<p>Stochastic Processes</p> <p>Statistical Multivariate Analysis</p> <p>Algorithms</p> <p>Complexity Theory</p> <p>Natural Language Processing</p>	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>1. Applicants should have a PhD in Mathematics /Statistics / Computer Science / Computer Science & Engineering.</p> <p>2. Applicants with a PhD in Computer Science / Computer Science & Engineering should have their UG/PG degree in Mathematics / Mathematics & Computing / Statistics / Computer Science / Computer Science & Engineering.</p> <p>3. Publication Record: • Grade-I: At least FOUR publications in Q1/Q2 journals (WoS-indexed) are required, with at least one paper published/accepted within the two years before the application deadline. • Grade-II: At least TWO publications in Q1/Q2 journals (WoS-indexed) are required, with at least one paper published/accepted within the two years before the application deadline. • In case a candidate has post-Ph.D experience beyond 3 years, the candidate should have ONE additional publication in Q1/Q2 journals (WoS-indexed) per year of additional experience beyond 3 years. * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
14	Mining Engineering	<ul style="list-style-type: none"> · Metal Mining Methods · Mine Planning and Design · Mine Safety · Mine Health and Ergonomics 	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <ul style="list-style-type: none"> · 4 Years Bachelor's degree (B.E./B.Tech. /B.Sc.(Engg.)) in Mining Engineering is mandatory. <p>Minimum publication requirements in Q1/Q2 (WoS) indexed journals (as First/Corresponding Author) are as follows: • Assistant Professor (Grade II): At least one (01) publication. • Assistant Professor (Grade I): At least three (03) publications. * Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
15	Mechanical Engineering	<p>Design Domain: Robotics, Mechatronics, Flight mechanics and control.</p> <p>Manufacturing Domain: Maintenance and quality control, Nano-and-atomic scale manufacturing, Metal forming, and Metal casting.</p> <p>Heavy Machinery Domain: Machine development, and Materials handling.</p>	<p>1. Academic Record: Ph.D in relevant area, with a consistently good academic record.</p> <p>2. B.Tech in Mechanical Engg, Manufacturing Engg, Production Engg, Automobile Engg, Aerospace Engg.</p> <p>3. Grade I- At least 5 Q1/Q2(WoS) publications with the candidate as the first/corresponding author.</p> <p>4. Grade II- At least 3 Q1/Q2(WoS) publications with the candidate as the first/corresponding author.</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>

Sl. No.	Departments	Area of Specialization	Additional Criteria
16	Physics	a. Experimental high energy physics b. Physics of soft and active matter c. Experimental energy storage and renewal energy d. Experimental condensed matter physics	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record. 1. M.Sc (Physics/Applied Physics)/4-year B.Tech (Engineering Physics)/5-year BS-MS (Physical Sciences/Physics) with Ph.D in relevant field.</p> <p>2. Specific requirements for Grade-I: (2.1) At least 10 publications in Q1/Q2 journals (Web of Science; excluding review articles) (2.2) At least 4 publication in Q1 Journals. (2.3) At least 4 publication as first/corresponding author. (for candidates of area other than Experimental High Energy Physics*) (2.4) At least one publication (excluding review articles) within the two years before the date of application.</p> <p>3. Specific requirements for Grade-II: (3.1) At least 05 publications in Q1/Q2 journals (Web of Science; excluding review articles) (3.2) At least 2 publication in Q1 Journals. (3.3) At least 2 publication as first/corresponding author. (for candidates of area other than Experimental High Energy Physics**) (3.4) At least one publication (excluding review articles) within the two years before the date of application.</p> <p>4. In case a candidate has post-Ph.D. experience beyond 3 years, the candidate should have on an average one additional publication in Q1/Q2 journals (Web of Science; excluding review articles) per year of additional experience beyond 3 years.</p> <p>***5. Criteria (2.3) and (3.3) for candidates in Experimental High Energy Physics: Candidates must provide evidence of primary responsibility for at least (four for Grade-I and two for Grade-II) distinct scientific or technical results. For work within large-scale collaborations, 'primary responsibility' is objectively defined as meeting at least any one of the following: (5.1). Designation as the Analysis Contact or Primary/Lead Analyzer in the collaboration's internal database. (5.2). Authorship of a Collaboration-Approved Internal Note (e.g., ATLAS/CMS Analysis Note) that served as the basis for a journal publication. (5.3). Primary authorship of a Technical Design Report (TDR) or a Sub-detector Commissioning Paper. (5.4). (For non large-scale collaborative work only) follow criteria 2.3(for Grade-I) and 3.3 for Grade-II. (5.5) A mere testimonial of supervisor/Mentor will not be considered as substitute of documents (5.1)-(5.3).</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>
17	Petroleum Engineering	Drilling Engineering, Petroleum Production Engineering,	<p>(A) Academic Record: Ph.D in relevant area, with a consistently good academic record. (B) Atleast two degrees (B.Tech/MTech/Ph.D) in Petroleum Engineering are mandatory. (C) Minimum three (3) publications in Q1/Q2 journals (WoS) for Grade-II, except review articles, atleast one Q1 Publication and one Publication as first/corresponding author. (D) Minimum five (5) publications in Q1/Q2 journals (WoS) for Grade-I, except review articles, atleast one Q1 Publication and one Publication as first/corresponding author. (E) Candidates who were previously called/shortlisted for departmental interaction on Research & Teaching for the position of Assistant Professor at IIT (ISM) Dhanbad, should have: At least 01 (ONE) additional Q1/Q2 publication as the first/corresponding author or at least 01 (ONE) patent granted between the date of previous application and date of current application. & A minimum gap of 01 (ONE) year between the date of previous application and date of current application.</p> <p>* Paid publication [except (open access Q1/Q2 journal in WoS)] are to be specified and will not be considered.</p>