

**Special Recruitment Drive for SC/ST/OBC-NC/PwBD/EWS  
Advertisement No. K-16/2024-2025**

**Assistant Professor Eligibility Criteria**

<b>Sr. No</b>	<b>Academic Unit</b>	<b>Criteria</b>
<b>1</b>	<b>Aerospace Engineering</b>	<p>Candidates should preferably hold an undergraduate/post-graduate degree in Aerospace/Aeronautical Engineering. Further, candidates should have completed a Ph.D. in the advertised areas of specialization.</p> <p>Candidates who do not have a Ph.D. in the advertised areas of specialization but have a minimum of two years of postdoctoral research experience in the advertised areas of specialization may also be considered.</p> <p>Candidates should have a minimum of FIVE (5) publications in reputed refereed journals and conference proceedings at the time of the application, of which at least THREE (3) should be in Scopus/SCI-indexed journals. Industry experience will be appropriately evaluated.</p>
<b>2</b>	<b>Biosciences &amp; Bioengineering</b>	<p>Candidates with research work in biosciences should have a minimum of FIVE (5) original refereed international publications in Scopus / PubMed / Web of Science (or equivalent) indexed journals as first author or as first author with equal contribution.</p> <p>Candidates with research work in biomedical engineering should have a minimum of THREE (3) original refereed international publications in Scopus / PubMed /Web of Science (or equivalent) indexed journals as first author or as first author with equal contribution.</p> <p>A granted patent may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p>A full paper in an international peer-reviewed conference proceeding of a reputed professional society may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p>Development efforts (technology, product, process, protocols, etc.) that have reached a stage of maturity viz., peer-reviewed demonstration of proof-of-concept e.g., in the form of acceptance by a funding agency or an industry for enhancement of Technology Readiness Level (TRL), deployment, etc., may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p>
<b>3</b>	<b>Chemical Engineering</b>	<p>A) Candidates working in the broad research areas related to chemical engineering and having at least one degree in Chemical Engineering (UG/PG/Ph.D.) will be considered. Candidates who do not have a degree in Chemical Engineering but their core research falls under the advertised specific sub-areas will also be considered.</p> <p>(B) Candidates should also have a minimum of THREE (3) research publications in reputed journals included in Scopus/SCI index in areas</p>

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		related to Chemical Engineering.
4	Chemistry	Candidates should have a basic degree in Chemistry, should have a minimum of FIVE (5) publications in Scopus/SCI indexed internationally reputed journals, out of which at least TWO (2) publications must originate from post Ph.D. work.
5	Civil Engineering	<p>The candidates should have a strong academic and research background with <i>Ph.D.</i>, including a basic <i>minimum 4-year undergraduate</i> Engineering Degree in Civil Engineering or <i>related</i> areas.</p> <p>Candidates should have a minimum of THREE (3) publications in SCI-indexed reputed journals <i>related to the advertised areas</i>. The quality will be evaluated based on SCI Impact Factor (IF) and relative IF ranking in that field of specialization. The papers should be already published or be in the press.</p> <p>Research grants received / Teaching or Industry experience / Significant National or International awards will be considered as an additional advantage.</p> <p>Patents and Books: (a) A granted Patent with the candidate as main contributor will be counted as equivalent to one published journal paper. (b) Textbook / Book chapter published by reputed publisher will be considered as an additional advantage.</p>
6	Computer Science & Engineering	<p>Candidates should have a minimum of TWO (2) publications during their Ph.D. in reputed conferences or journals in computer science and related areas, with at least one of these being in a top-tier forum*.</p> <p>In addition, candidates with more years of research experience after Ph.D. are expected to have correspondingly higher research achievements. In case of candidates who have spent some time in non-research industry jobs, this criterion may be relaxed, especially if they have additional publications during their Ph.D. *</p> <p>“Reputed” is defined as rank B or higher and “top-tier” is defined as rank A or higher in CORE portals OR in the <a href="#">Department Publication Ranking List</a>.</p>
7	Earth Sciences	<p>For all positions in Geology (Area of specialization:- Groundwater Hydrogeology, Mineral Exploration/ Ore Geology, Mathematical Geology/ Geostatistics, Tectonic Geomorphology)</p> <p>Essential Qualifications: (a) M.Sc / M.Sc (Tech)/ M.Tech degree in Geology or in any of the fields related to Geology (b) Ph.D. in the relevant field of Geology.</p> <p>Desirable: Experience in running and maintaining relevant equipment, with adequate exposure to experimentation and all aspects of field geology, computation and numerical modelling.</p>

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		<p>For all positions related to Geophysics (Area of specialization: Quantitative Seismic Interpretation/ Seismic Reservoir Characterization, Petrophysics related to petroleum exploration, Computational Geophysics / Geophysical modelling, Geophysical Signal Processing)</p> <p>Essential Qualifications: a) M.Sc / M.Sc (Tech)/ M.Tech degree in Geophysics or in any of the fields related to Geophysics b) Ph.D. in the relevant field of Geophysics.</p> <p>Desirable: Industrial experience in the fields related to petroleum exploration with experience in quantitative and/or qualitative seismic interpretation. Experience in application of AI and ML techniques to geophysical applications.</p>
8	<b>Economics</b>	<p>(A) Experience: At least 3 years of Post Ph.D research /teaching /industry experience [including Postdoctoral research experience]. Those who do not have adequate experience, but fulfil the eligibility criteria may be considered for contractual appointment in the rank of Assistant Professor.</p> <p>(B) Performance: Published 3 good papers of which at least two of them should be in reputed peer reviewed journals [Scopus /ABDC/ABS or equivalent ranked/indexed journals].</p>
9	<b>Electrical Engineering</b>	<ul style="list-style-type: none"> <li>• In areas pertaining to semiconductor devices – their modeling, fabrication and characterization, a minimum of FOUR (4) high quality papers in tier-one SCI journals.</li> <li>• In other areas like Power, Control, Communications, Circuits and Systems, a minimum of TWO (2) high quality papers in tier-one SCI journals.</li> <li>• Conference Publications: Top tier conferences, which have a rigorous peer-review process, and in which the full version of the paper has to be submitted right at the stage of review, will also be considered to be equivalent to journal papers.</li> <li>• Post-Doctoral Experience: It is preferable to have a postdoctoral/industry experience in the relevant areas.</li> </ul>
10	<b>Energy Science &amp; Engineering</b>	<p>Candidates should have a minimum of THREE (3) publications in SCOPUS/SCI-E indexed journals in energy science and engineering related areas.</p>
11	<b>Environmental Science &amp; Engineering</b>	<p>The candidate must possess Ph.D. and M.Tech./ M.E./ M.S. with research focus in Environmental Science/ Engineering from reputed Institutes. Also, the candidate should have B.Tech./B.E./B.S. in Environmental/ Civil/ Chemical/ Mechanical Engineering/ Biotechnology and allied disciplines or M.Sc. in Environmental Science and allied disciplines with consistently strong academic record throughout. The candidate who has done a Ph.D. directly after completing B.Tech./B.E./B.S. must have undergone substantial course work in Environmental Science/ Engineering.</p> <p>Candidates should have a minimum of THREE (3) publications in Scopus/SCI index reputed journals.</p>

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		Each patent granted will be considered as equivalent to a quality publication in a reputed international journal.
12	<b>Industrial Engineering and Operations Research (IEOR)</b>	<p>Candidates should have a minimum of THREE (3) publications in reputed journals or refereed conference proceedings in the areas related to industrial engineering or operations research.</p> <p>Journals and conference proceedings listed in Scopus or SCI or CORE or ABDC or AMS MathSciNet will be considered as reputed. Other journals and conference proceedings that are considered as reputed by the department will be listed at <a href="http://www.ieor.iitb.ac.in">www.ieor.iitb.ac.in</a></p>
13	<b>Mathematics</b>	Candidates should have published a minimum of THREE (3) publications in journals listed in AMS MathSciNet in the areas of Mathematics or Statistics.
14	<b>Mechanical Engineering</b>	<p>(i) Candidates should hold an undergraduate degree in engineering (BE/BTech). Further, candidates should have completed Ph.D. in the advertised areas of specialization. Candidates who do not have Ph.D. in the advertised areas of specialization, but have a minimum of two years of postdoctoral research experience in the advertised areas of specialization will also be considered.</p> <p>(ii) Candidate should have published a minimum of three (03) international journal papers as first author. These journals should be ranked in the top two quartiles (Q1 or Q2), as per the SJR (Scimago Journal &amp; Country Rank) norms.</p> <p>(iii) In case a candidate has post-Ph.D experience beyond 3 years, the candidate should have 1 additional publication per year of additional experience beyond 3 years.</p> <p>(iv) Up to one granted patent in areas relevant to the areas of specialization advertised, on which the applicant is named as an inventor, will be treated equivalent to one journal paper.</p>
15	<b>Metallurgical Engineering &amp; Materials Science</b>	<p>(i) Candidates who have degrees other than B.E./B.Tech should have done mathematics courses in their undergraduate or postgraduate or graduate studies.</p> <p>(ii) At least THREE (3) first author research publications in reputed journals included in Scopus/SCI index.</p>
16	<b>Physics</b>	Candidates should have a minimum of THREE (3) publications in Scopus indexed refereed journals in Physics or Astronomy during Ph.D.; Additionally an average of 1 publication per year in such journals during post-Ph.D. career. Three years of post-Ph.D. experience is preferred.
17	<b>Desai Sethi School of Entrepreneursh</b>	(i) 4-year Bachelor's degree in any branch of Engineering or Technology or Design or Economics or MBBS, or Master's degree in Design, Management or Arts/Sciences or CA/CS.

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	ip (DSSE)	(ii) Ph.D. degree with research focused on one or more of the areas of specialization advertised for.
18	IDC School of Design (IDC SoD)	<p><b>Qualifications and Experience Criteria for Assistant Professor Grade I-</b>  A postgraduate Degree or Diploma in Design / Arts / Applied Arts, or a postgraduate Degree in Engineering / Architecture / Humanities or equivalent is required for all candidates. For candidates with a Ph.D., the qualifications and experience criteria are as per Institute General Eligibility Criteria. For candidates without a Ph.D. a minimum of 8 years of teaching / research / professional experience is required. However such candidates will be required to obtain their Ph.D. within 5 years from the date of joining IIT Bombay.</p> <p><b>Assistant Professor Grade II-</b>  Candidates with a Ph.D. satisfying all criteria of Assistant Professor Grade I, except the post-Ph.D. experience criterion for Assistant Professor Grade I, may be appointed as Assistant Professor Grade II with appropriate pay based on the number of years of postdoctoral experience. Candidates without a Ph.D. satisfying all criteria of Assistant Professor Grade I, except having only 5+ years of teaching / research / professional experience, may be appointed as Assistant Professor Grade II with appropriate pay based on the number of years of experience. After satisfying the experience criteria required for Assistant Professor Grade I, they will be moved to Assistant Professor Grade I.</p>
19	Shailesh J. Mehta School of Management (SJMSoM)	<p><b>For Assistant Professor</b>  <b>Educational Qualification:-</b> Ph.D. with a first class or equivalent (in terms of Grades) in the preceding degree in the relevant discipline and a good academic record throughout. The candidates applying for a faculty position in Accounting should have a Ph.D. in Accounting or CA with Ph.D. in Accounting or Finance.</p> <p><b>For Assistant Professor Grade I Educational Qualification:-</b> A minimum of three years of post-Ph.D. teaching / research / professional experience, excluding the experience gained while pursuing Ph.D. The candidate should have demonstrated research capabilities in terms of publications in reputed journals and conferences.</p> <p><b>For Assistant Professor Grade II Educational Qualification:-</b> Candidates satisfying all criteria of Assistant Professor Grade I, except the post-Ph.D. experience criterion, may be appointed as Assistant Professor Grade II with appropriate pay based on the number of years of postdoctoral experience.</p> <p><b>Journal Paper Publications:-</b> Candidate should have published a minimum of 3 papers in reputed journals, of which at least 1 in B or higher-level journals listed in ABDC, ERA or ABS journal list (level 2 and above), or Scopus Indexed Journals (CiteScore of 3 and above).</p>

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20	Centre for Climate Studies	<p><b>Publications criteria</b> Candidates should have a minimum of 3 publications in <i>Scopus/SCI index</i> journals, as first or second or corresponding author. A maximum of one patent granted could be counted as equivalent to one peer-reviewed journal publication.</p> <p><b><u>Others</u></b> Have research subject areas strongly aligned with IDPCS's needs. Have the ability to teach core / key courses of the IDPCS.</p>
21	Centre for Educational Technology	<p>Candidates should have a minimum of two Educational Technology related publications in journals indexed in Scopus/SCI, OR one publication in journals indexed in Scopus/SCI and two publications in the list of conferences identified by the department.</p> <p>The candidate should be the first author on at least ONE (1) of the publications.</p> <p>If Ph.D. is in a discipline other than ET, the candidate should have done a post-doc in ET related area, or should have research publications in ET Journals/Conferences, or should have carried out development projects in ET.</p> <p>Candidates who have one or more years of post-Ph.D. experience should have on an average ONE (1) publication per year of post Ph.D. experience in addition to the above minimum specified; papers published during/based on Ph.D. work can also be counted towards this number.</p> <p>Upto two years of work in industry or other positions that do not offer scope for publication may be exempted from the additional publication requirements.</p>
22	Centre for Systems and Control	<ul style="list-style-type: none"> <li>• Candidates need to have a minimum of 3 publications accepted in journals indexed in INSPEC/Scopus/SCIE and/or abstracted in Mathscinet.</li> <li>• In addition to the above minimum specified, the candidates need to have an average of at least 1 publication for every year after their first full year after Ph.D. that are accepted in journals indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet.</li> <li>• Each patent granted will be counted as equivalent to two journal publications and each patent filed will be counted as equivalent to 0.5 journal publications for the above criteria.</li> </ul>
23	Ashank Desai Centre for Policy Studies (ADCPS)	<p>The candidate must have experience in one of the following 5 research areas: 1) Digital Society, 2) Technology and Society, 3) Environment, Energy and Natural Resources, 4) Structural Inequalities &amp; 5) Markets and Governance Process.</p> <p>Candidates should have a minimum of THREE (3) Policy relevant publications in Reputed (Scopus/SCI index, JSTOR, Sage, MUSE, ABDC)</p>

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		<p>journals.</p> <p>ONE (1) peer reviewed book chapter/monograph can be counted as equivalent to ONE (1) publication.</p>
24	<b>Centre for Machine Intelligence and Data Science (C-MInDS)</b>	<p>Candidates should have published a minimum of 3 papers in reputed journals or conferences in the area of Machine Intelligence and Data Science. Publications ranked at least A as per CORE Rankings will be considered as reputed; CMInDS will maintain an additional list of reputed journals and conferences on the CMInDS website. Additionally, the candidates are expected to have at least one publication in reputed venues per year of post Ph.D. experience. Up to 8 years of work in industry or other circumstances which do not offer scope for publication may be exempted from the additional publication requirements. In such cases, the candidate is expected to provide significant alternative evidence of technical leadership in the form of patents and/or software products.</p>
25	<b>Centre of Studies in Resources Engineering (CSRE)</b>	<p>The candidates should have research specialization in geoinformatics, remote sensing and their applications to earth system studies and related areas.</p> <p>Candidates should have a minimum of THREE (3) publications in Scopus/SCI-indexed journals. Patent(s) granted and Book(s) published will be considered equivalent to journal publications.</p>
26	<b>Centre for Technology Alternatives for Rural Areas (CTARA)</b>	<p>Faculty applicants should have demonstrated interest and ability to: (i) identify and formalise problems of relevance to broader society, and (ii) teach in the area of technology and development.</p> <p>The candidates should have strong focus on Science and Technology applications towards sustainable development using concepts in the following thematic areas:</p> <ul style="list-style-type: none"> <li>• Food processing, Nutrition, and Public Health</li> <li>• Farm Machinery, Technology Development and Dissemination</li> <li>• Development, Technology, and Society</li> <li>• Planning and Development including Basic Services; Monitoring &amp; Evaluation</li> <li>• Natural Resources, Public Policy and Governance</li> </ul> <p>The candidates should have high quality research experience, evidenced by publications in reputed journals/conferences, book chapters, patents (filed and granted) and important case studies.</p> <p>The candidates should have a minimum of THREE (3) publications in reputed international journals (Scopus/SCI indexed).</p>
27	<b>Koita Centre for Digital Health (KCDH)</b>	<p>Candidates should have a minimum of 3 publications in reputed journals or conference proceedings.</p> <p>Criteria for Reputed Journals or Conference Proceedings: Inclusion in Scopus/SCI index, MathSCI, SciMajor index, Core Ranking (B or higher),</p>

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		<p>ABDC list (for economics, statistics), medical journals with high impact factor.</p> <p>Candidates must have 1 or more years of post-Ph.D. experience. Candidates should have on average 1 publication per year of post Ph.D. experience in addition to the above minimum specified; Papers published during/based on Ph.D. work can also be counted towards this number.</p> <p>Upto 5 years of work in healthcare organization or hospital or industry that do not offer scope for publication may be exempted from the additional (post-Ph.D.) publication requirements. Granted patents of exceptional quality in the Healthcare or Bio domain can be counted as equivalent to 2 publications. Every other granted patent will be counted as a single publication. Work which is repeated across patents and publications will not be doubly counted.</p>



## Associate Professor and Full Professor Eligibility Criteria

Sr. No.	Academic Unit	Criteria
1	Aerospace Engineering	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria (overall and Assessment Period)</b>-Candidates should have, in total, a minimum of eleven publications in SCI indexed journals and SCI/Scopus indexed conference proceedings. Out of the above, the candidates must have a minimum of six publications in SCI indexed journals and SCI/Scopus indexed conference proceedings, of which at least three should have been published in Scopus/SCI-indexed journals during the assessment period (Assistant Professor or equivalent position).</p> <p><b>Teaching experience:</b> Candidates should have been involved in academic training activities (e.g. short-term courses, guiding masters' and doctoral students, supervising interns or any other similar activity). In addition, candidates should demonstrate willingness and ability to participate in the UG teaching of the department in at least two core courses.</p> <p><b>Masters' Project guidance:</b> Candidates should have guided at least six Master's students during the assessment period.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor/ co-supervisor of at least one Ph.D. student, who has either graduated or is in an advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least one publication produced from the doctoral work. The criteria of Master's and Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non-Ph.D. granting academic institutions.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria (overall and Assessment Period)</b> Candidates should have, in total, a minimum of twenty-one publications in SCI indexed journals and SCI/Scopus indexed conference proceedings. Out of the above, the candidates must have a minimum of ten publications in SCI indexed journals and SCI/Scopus indexed conference proceedings, of which at least five should have been published in Scopus/SCI- indexed journals during the assessment period (Associate Professor or equivalent position).</p> <p><b>Teaching experience</b> Candidates should have been involved in academic training activities (e.g. short-term courses, guiding masters' and doctoral students, supervising interns or any other similar activity). In addition, candidates should demonstrate willingness and ability to participate in the UG teaching of the department in at least two core courses.</p>

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		<p><b>Masters' Project guidance:</b> Candidates should have guided at least fourteen Master's students during the assessment period.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two Ph.D. students who have graduated or should have graduated one student and another should be in advanced stage. Advanced stage is when the student has completed pre-synopsis.</p> <p>The criteria of Master's and Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non-Ph.D. granting academic institutions.</p>
2	Biosciences & Bioengineering	<p><b><u>Associate Professor</u></b></p> <p><b>Publications:</b> Candidates with research work in biosciences should have a minimum of SEVEN (7) original refereed international publications in Scopus / PubMed / Web of Science (or equivalent) indexed journals. Out of these 7, (i) a minimum of FIVE (5) publications must have been published as first author or as first author with equal contribution and (ii) a minimum of TWO (2) publications must have been published as corresponding / co-corresponding author while the candidate was holding a position at the Assistant Professor (or equivalent) level.</p> <p>Candidates with research work in biomedical engineering should have a minimum of FIVE (5) original refereed international publications in Scopus / PubMed / Web of Science (or equivalent) indexed journals. Out of these 5, (i) a minimum of THREE (3) publications must have been published as first author or as first author with equal contribution and (ii) a minimum of TWO (2) publications must have been published as corresponding / co-corresponding author while the candidate was holding a position at the Assistant Professor (or equivalent) level.</p> <p>A granted patent may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p>A full paper in an international peer-reviewed conference proceeding of a reputed professional society may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals. Development efforts (technology, product, process, protocols, etc.) that have reached a stage of maturity viz., peer-reviewed demonstration of proof-of-concept e.g., in the form of acceptance by a funding agency or an industry for enhancement of Technology Readiness Level (TRL), deployment, etc., may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p><b>Masters Project guidance:</b> Candidates should have guided as supervisor a minimum of three (3) MTech/MSc students while the candidate was holding a position at the</p>

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		<p>Assistant Professor (or equivalent) level.</p> <p><b>Ph.D. guidance:</b> The candidate should be guiding / have guided as supervisor a minimum of two (2) Ph.D. students. Out of these two students, the candidate should be the supervisor of at least one Ph.D. student, who has either graduated or is in an advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least one (1) publication produced from the doctoral work.</p> <p>Co-supervision of MSc/MTech/Ph.D. would be counted as 1/2 of supervision.</p> <p>The criteria of supervision of Ph.D./Masters students and teaching at higher educational institutions may be relaxed for candidates who are from industry or Institutes / organizations which do not offer Ph.D. / Masters programmes.</p> <p><b><u>Professor</u></b></p> <p><b>Publications:</b> Candidates with research work in biosciences should have a minimum of THIRTEEN (13) original refereed international publications in Scopus / PubMed / Web of Science (or equivalent) indexed journals. Out of these 13, (i) a minimum of FIVE (5) publications must have been published as first author or as first author with equal contribution and (ii) a minimum of EIGHT (8) publications must have been published as Corresponding / Co-corresponding Author; a minimum of SIX (6) of these EIGHT (8) publications as corresponding / co-corresponding author must have been published while the candidate was holding a position at the Associate Professor (or equivalent) level.</p> <p>Candidates with research work in biomedical engineering should have a minimum of ELEVEN (11) original refereed international publications in Scopus / PubMed / Web of Science (or equivalent) indexed journals. Out of these 11, (i) a minimum of THREE (3) publications must have been published as first author or as first author with equal contribution and (ii) a minimum of EIGHT (8) publications must have been published as corresponding / co-corresponding Author; a minimum of SIX (6) of these EIGHT (8) publications as corresponding / co-corresponding author must have been published while the candidate was holding a position at the Associate Professor (or equivalent) level.</p> <p>A granted patent may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p>A full paper in an international peer-reviewed conference proceeding of a reputed professional society may be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p>Development efforts (technology, product, process, protocols, etc.) that have reached a stage of maturity viz., peer-reviewed demonstration of proof-of-concept e.g., in the form of acceptance by a funding agency or an industry for enhancement of Technology Readiness Level (TRL), deployment, etc., may</p>

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		<p>be considered as equivalent to an original research publication in Scopus (or equivalent) indexed journals.</p> <p><b>Masters Project guidance:</b> Candidates should have guided as supervisor a minimum of three (3) MTech/MSc students while the candidate was holding a position at the Associate Professor (or equivalent) level.</p> <p><b>Ph.D. guidance:</b> Candidate should have guided as supervisor a minimum of two (2) Ph.D. students and is guiding / guided as supervisor additionally at least two (2) Ph.D. students.</p> <p>Co-supervision of MSc/MTech/Ph.D. would be counted as 1/2 of supervision.</p> <p>The criteria of supervision of Ph.D./Masters students and teaching at higher educational institutions may be relaxed for candidates who are from industry or Institutes or organizations which do not offer Ph.D. / Masters programmes.</p>
3	Chemical Engineering	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of seven peer-reviewed publications in reputed journals or conference proceedings, listed in Scopus/ Science Citation index.</p> <p>Candidates should also have a minimum of four peer-reviewed publications in reputed journals or conference proceedings, listed in Scopus/ Science Citation index, during their assessment period.</p> <p><b>Teaching:</b> Candidates should have taught at least an average of one full core/elective course per year during the assessment period, excluding periods of long leaves.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor/ co-supervisor of at least one Ph.D. student, who has either graduated or is at an advanced stage. Advanced stage is when the student has completed pre-synopsis. For co-supervision, the candidate should specify his/her contribution to the thesis work of the Ph.D. student.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 15 peer-reviewed publications in reputed journals or conference proceedings, listed in Scopus/ Science Citation index.</p>

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		<p>Candidates should also have a minimum of eight peer-reviewed publications in reputed journals or conference proceedings, listed in Scopus/ Science Citation index, during their assessment period.</p> <p><b>Teaching:</b> Candidates should have taught at least an average of one full core/elective course per year during the assessment period, excluding periods of long leaves.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two Ph.D. students who have graduated or should have graduated one student and another should be at an advanced stage. Advanced stage is when the student has completed pre-synopsis.</p> <p>Additional criteria for all levels If a candidate does not meet the above shortlisting criteria, then demonstrated Scholarship through the following avenues for work done during the assessment period may be considered for at most one of the above-listed requirements.</p> <p>The Professors Committee of the department must strongly recommend the exemption.</p> <p>1. High-quality books (including textbooks), monographs, and book chapters can be counted towards the scholarship. (Double counting to be avoided if said books are part of research papers). 2. High-quality products 3. Exceptional quality papers, as evidenced by citation scores or feedback from top experts in the area. Note that the Professors Committee of the department can rank some journals as higher and give higher weightage than one. 4. Significant awards such as the Swaranjyanthi and S. S. Bhatnagar.</p>
4	Chemistry	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b></p> <ul style="list-style-type: none"> <li>• Candidates should have, in total, a minimum of 10 publications in Scopus/SCI indexed journals.</li> <li>• Candidates should also have a minimum of 5 publications at Assistant Professor level in Scopus/SCI indexed journals.</li> </ul> <p><b>Teaching:</b></p> <ul style="list-style-type: none"> <li>• Candidates should have taught courses equal to two courses per year in the review period.</li> </ul> <p><b>Ph.D. guidance:</b></p> <ul style="list-style-type: none"> <li>• Candidates should be the supervisor/ co-supervisor of at least one Ph.D. student, who is in an advanced stage. Advanced stage is when the student has completed minimum three years and has at least 2 publications produced from the doctoral work.</li> </ul> <p><b>Projects/Research Grants:</b></p>

Sr. No.	Academic Unit	Criteria
		<ul style="list-style-type: none"> <li>• Should have been awarded a minimum of one sponsored project from external agencies/Industry as Assistant Professor.</li> </ul> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b></p> <ul style="list-style-type: none"> <li>• Candidates should have, in total, a minimum of 20 publications in Scopus/SCI indexed journals.</li> <li>• Candidates should also have a minimum of 15 publications from the previous two positions as Assistant and Associate Professor, in Scopus/SCI indexed journals.</li> </ul> <p><b>Teaching:</b></p> <ul style="list-style-type: none"> <li>• Candidates should have taught courses equal to two courses per year in the review period.</li> </ul> <p><b>Ph.D. guidance:</b></p> <ul style="list-style-type: none"> <li>• Candidates should be the supervisor/ co-supervisor of at least 2 Ph.D. (Viva Voce completed) awarded students.</li> </ul> <p><b>Projects/Research Grants [department option]</b></p> <ul style="list-style-type: none"> <li>• Should have been awarded a minimum of three sponsored projects from external agencies/Industry in the previous two positions as Assistant and Associate Professor.</li> </ul>
5	Civil Engineering	<p><b><u>Associate Professor</u></b></p> <p><b>General:</b> The candidates should have a strong academic and research background with basic Engineering Degree in Civil Engineering or allied areas.</p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of EIGHT (8) publications in SCI-indexed reputed journals. Out of the above, the candidates must have a minimum of FOUR (4) publications in SCI-indexed reputed journals during their assessment period, not counting the ones published based on their own Ph.D. thesis. A granted Patent with the candidate as an inventor will be counted as equivalent to one published journal paper. High quality Textbook published by a reputed publisher will be considered as equivalent to three journal papers. Book chapter published by a reputed publisher will be considered as equivalent to one journal paper. Candidates with more years of research experience are expected to have correspondingly higher research achievements.</p> <p><b>Teaching experience:</b> Candidates should have some measurable (with excellent record of teaching feedback) teaching experience and demonstrated excellent teaching skills in their previous assignments.</p> <p><b>Ph.D. guidance:</b> Candidates should have completed the supervision of at least ONE (1) Ph.D.</p>

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		<p>student as sole or main supervisor. Suitable weightage for co-supervision may be considered. The criteria of Ph.D. guidance of students may be relaxed for candidates with outstanding research records, if they are from industry/research labs/non Ph.D. granting academic institutions.</p> <p><b>Projects/Research Grants:</b>  (a) Research grants should be with the candidate as PI of the project. Research grants received as co-PI will be given proportionate weightage.  (b) Research grants may be from a major national/international funding agency (sponsored mode). The candidate should have at least one major sponsored research project component as PI with project cost exceeding ₹15 lakhs. Candidates with experience of a higher number of years are expected to have received higher research grants as PI.  (c) Any internal funding from the candidate's parent institute/organization including seed grant will not be considered for this criterion.</p> <p><b><u>Professor</u></b></p> <p><b>General:</b> The candidates should have a strong academic and research background with basic Engineering Degree in Civil Engineering or allied areas.</p> <p><b>Publications criteria:</b>  Candidates should have, in total, a minimum of FOURTEEN (14) publications in SCI-indexed reputed journals, not counting the ones published based on their own Ph.D. thesis. Out of the above, the candidates must have a minimum of EIGHT (8) publications in SCI-indexed reputed journals during their assessment period, not counting the ones published based on their own Ph.D. thesis. A granted Patent with the candidate as an inventor will be counted as equivalent to one published journal paper. High quality Textbook published by a reputed publisher will be considered as equivalent to three journal papers. Book chapter published by a reputed publisher will be considered as equivalent to one journal paper. Candidates with more years of research experience are expected to have correspondingly higher research achievements.</p> <p><b>Teaching experience:</b>  Candidates should have some measurable (with excellent record of teaching feedback) teaching experience and demonstrated excellent teaching skills in their previous assignments.</p> <p><b>Ph.D. guidance:</b>  Candidates should have completed the supervision of at least THREE (3) Ph.D. students as sole or main supervisor. Suitable weightage for co-supervision may be considered.</p> <p><b>Projects/Research Grants:</b>  (a) Research grants should be with the candidate as PI of the project. Research grants received as co-PI will be given proportionate weightage.  (b) Research grants may be from a major national/international funding</p>

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		<p>agency (sponsored mode). The candidate should have at least one major sponsored research project component as PI with project cost exceeding ₹30 lakhs. Candidates with experience of a higher number of years are expected to have received higher research grants as PI.</p> <p>(c) Any internal funding from the candidate's parent institute/organization including seed grant will not be considered for this criterion.</p> <p><b>Exceptional criteria:</b>          If a candidate does not meet the above minimum requirements, but has demonstrated Scholarship through the following avenues for work done at previous assignments, may be considered for at most one of the above requirements. The exemption(s) could include:</p> <ol style="list-style-type: none"> <li>1. High quality text books published by reputed publishers (Double counting to be avoided if said books are part of research papers).</li> <li>2. High quality products/technology developed/transferred by the applicant that are outstanding.</li> <li>3. Exceptional quality papers, such as those in journals listed in nature citation index, as evidenced by large citation scores.</li> <li>4. Significant awards, such as, the S. S. Bhatnagar award, Swarnajayanti award, Science / Engineering Academy Fellowships, J.C. Bose Fellowship etc.</li> </ol>
6	Computer Science & Engineering	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b>          Candidates with more years of research experience are expected to have correspondingly higher research achievements. Candidates should have, in total, a minimum of 12 post-Ph.D. publications in reputed journals/conferences in computer science and related areas. Up to 2 granted patents can count as papers, but papers and patents representing the same work are not double-counted. Out of the above, candidates should also have a minimum of 6 publications in reputed journals/conferences during their position as assistant professor. Up to 2 granted patents can count as papers, but papers and patents representing the same work are not double-counted.</p> <p><b>Ph.D. guidance:</b>          Candidates should be the supervisor of at least one Ph.D. student, who has either graduated or is in an advanced stage. (At IITB, a student is considered to be at an advanced stage, upon completing his/her pre-synopsis and thereby being ready to submit the thesis for external review). Co-guide counts as 0.5 student. Cases where the co-guide requests more credit than 0.5 will be dealt with by the department on a case by case basis. The criteria of Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non Ph.D. granting academic institutions.</p> <p><b>Any other eligibility criteria:</b>          If a candidate does not meet the above minimum requirements, then demonstrated Scholarship through the following avenues may be considered for at most one of the requirements. The department must strongly recommend the exemption(s). 1. High quality books (including textbooks),</p>



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		<p>monographs, and book chapters can be counted towards scholarship. (Double counting to be avoided if said books are part of research papers). 2. High quality products developed by the applicant that are outstanding. 3. Exceptional quality papers, as evidenced by citation scores or feedback from top experts in the area. 4. Significant awards such as the Bhatnagar award, IEEE or ACM Fellows and so on.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> Candidates with more years of research experience are expected to have correspondingly higher research achievements. Candidates should have, in total, a minimum of 20 post-Ph.D. publications in reputed journals/conferences in computer science and related areas. Up to 2 granted patents can count as papers, but papers and patents representing the same work are not double-counted. Out of the above, candidates should also have a minimum of 8 publications in reputed journals/conferences during their assessment period. Up to 2 granted patents can count as papers, but papers and patents representing the same work are not double-counted.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two Ph.D. students who have graduated. Co-guide counts as 0.5 student.</p> <p>The criteria of Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non Ph.D. granting academic institutions.</p> <p><b>Any other eligibility criteria:</b> If a candidate does not meet the above minimum requirements, then demonstrated Scholarship through the following avenues may be considered for at most one of the requirements. The department must strongly recommend the exemption(s). 1. High quality books (including textbooks), monographs, and book chapters can be counted towards scholarship. (Double counting to be avoided if said books are part of research papers). 2. High quality products developed by the applicant that are outstanding. 3. Exceptional quality papers, as evidenced by- citation scores or feedback from top experts in the area. 4. Significant awards such as the Bhatnagar award, IEEE or ACM Fellows and so on.</p>
7	Earth Sciences	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b> The candidate must have published a minimum of 8 research papers in SCI-indexed journals/peer- reviewed conference proceedings in IEEE/and papers in SEG (IMAGE)/ EAGE/ The Leading Edge, out of which at least 4 research papers should have been published or accepted for publication during the preceding three years. The candidate must be one of the first three authors (or the corresponding author) in the publications. Candidates with more years</p>

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		<p>of research experience are expected to have correspondingly higher research achievements.</p> <p><b>Masters Project guidance:</b> Candidates from universities/colleges should have supervised/co-supervised at least 6 Master's theses. This criterion is not applicable for the candidates applying from industry/ research institutes.</p> <p><b>Ph.D. guidance:</b> Candidates from universities/colleges/research institutes should have supervised/ co-supervised at least one Ph.D. thesis. This criterion is not applicable for the candidates from industry.</p> <p><b>Projects/Research Grants:</b> It is desirable that candidates from universities/ colleges/ research institutes should have been awarded at least one sponsored research grant. This criterion is not applicable for those applying from industry.</p> <p><b>Additional/desirable criteria:</b></p> <ul style="list-style-type: none"> <li>• Having established new labs or contributed to the development of existing labs may be considered as an additional advantage</li> <li>• Having Awards/book chapters/ conferences conducted etc. may be considered as an additional advantage.</li> </ul> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> The candidate must have published minimum of 14 research papers in SCI-indexed journals/peer- reviewed conference proceedings in IEEE/and papers in SEG(IMAGE)/EAGE/ The Leading Edge, out of which at least 6 papers should have been published or accepted for publication during the preceding four years. The candidate must be one of the first three authors (or the corresponding author) in the publications. Candidates with more years of research experience are expected to have correspondingly higher research achievements.</p> <p><b>Masters Project guidance:</b> Candidates from universities/colleges should have supervised/co-supervised at least 8 Master's theses. This criterion is not applicable for the candidates applying from industry/ research institutes.</p> <p><b>Ph.D. guidance:</b> Candidates from universities/colleges/research institutes should have supervised / co-supervised at least two Ph.D. theses.</p> <p><b>Projects/Research Grants:</b> It is desirable that candidates from universities/colleges/research institutes should have been awarded at least two research grants. This criterion is not applicable for those applying from industry.</p> <p><b>Additional/desirable criteria:</b></p>

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		<ul style="list-style-type: none"> <li>• Having established new labs or contributed to the development of existing labs may be considered as an additional advantage</li> <li>• Having awards/book chapters/ conferences conducted etc. may be considered as an additional advantage.</li> </ul>
8	Economics	<p><b><u>Associate Professor</u></b></p> <p>We expect a minimum contribution in Teaching, Research, and Ph.D. Student guidance from all the applicants.</p> <p>(A) Candidates should have, in total, a minimum of six publications, of which at least four should be in reputed peer reviewed journals [Scopus/ABDC/ABS or equivalent ranked/indexed journals]. The other papers could be in peer reviewed Edited Books published by reputed publishers and/or Working Papers from reputed institutions/forums. Out of the above, the candidates must have a minimum of four publications, of which at least two should be in reputed peer reviewed journals [Scopus/ABDC/ABS or equivalent ranked/indexed journals] during the assessment period.</p> <p>(B) <b>Teaching:</b> Candidates should have some measurable teaching experience and demonstrated excellent teaching skills in the previous assignments. Those from the industry or non-academic institution background must have demonstrated contribution to their organisation and leadership abilities during their work experience.</p> <p>(C) <b>Ph.D. guidance:</b> Candidates should be the supervisor/ co-supervisor of at least one Ph.D. student, who has either graduated or is in an advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least one publication produced from the doctoral work.</p> <p>The criteria of Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non-Ph.D. granting academic institutions.</p> <p><b><u>Professor</u></b></p> <p>(A) Candidates should have, in total, a minimum of twelve publications, of which at least seven should be in reputed peer reviewed journals [Scopus/ABDC/ABS or equivalent ranked/indexed journals]. The other papers could be in peer reviewed Edited Books published by reputed publishers and/or Working Papers from reputed institutions/forums. Out of the above, the candidates must have a minimum of six publications, of which at least four should be in reputed peer reviewed journals [Scopus/ABDC/ABS or equivalent ranked/indexed journals] during the assessment period.</p> <p>(B) <b>Teaching:</b> Candidates should have some measurable teaching experience and demonstrated excellent teaching skills in the previous assignments</p> <p>(C) <b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two</p>

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		Ph.D. students who have graduated or should have graduated one student and another should be in advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least one publication produced from the doctoral work.
9	Electrical Engineering	<p><b><u>Associate Professor (direct applicants from academia)</u></b></p> <p><b>Publications criteria:</b>  Candidates should have, overall, a minimum of 15 publications, including a minimum of 4 publications in (SCI/SCOPUS indexed) journals.  Candidates should also have a minimum of 3 publications in (SCI/SCOPUS indexed) journals over his/her tenure as Assistant Professor.</p> <ul style="list-style-type: none"> <li>• A granted patent, on which the applicant is named as an inventor, will be considered as being equivalent to 1 journal publication (in the year of the patent being granted).</li> <li>• An instance of technology developed by the applicant that is licensed to the industry will be considered as being equivalent to 2 journal publications (in the year the licensing agreement comes into force).</li> <li>• A conference publication that is ranked A* or A by the Australian core rankings (<a href="http://portal.core.edu.au/conf-ranks/">http://portal.core.edu.au/conf-ranks/</a>) will be considered as being equivalent to 1 journal publication in the same year.</li> </ul> <p><b><u>Associate Professor (direct applicants from industry)</u></b></p> <p><b>Publications criteria:</b>  Candidates should have, overall, a minimum of 8 publications, including a minimum of 3 publications in (SCI/SCOPUS indexed) journals.</p> <ul style="list-style-type: none"> <li>• A granted patent, on which the applicant is named as an inventor, will be considered as being equivalent to 1 journal publication (in the year of the patent being granted).</li> <li>• A conference publication that is ranked A* or A by the Australian core rankings (<a href="http://portal.core.edu.au/conf-ranks/">http://portal.core.edu.au/conf-ranks/</a>) will be considered as being equivalent to 1 journal publication in the same year.</li> </ul> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b>  Candidates should have, overall, a minimum of 27 publications with a minimum of 10 papers in (SCI/Scopus indexed) journals. Candidates should also have a minimum of 6 (SCI/Scopus indexed) publications in journals over his/her tenure as Associate Professor.</p> <ul style="list-style-type: none"> <li>• A granted patent, on which the applicant is named as an inventor, will be considered as being equivalent to 1 journal publication (in the year of the patent being granted).</li> <li>• An instance of technology developed by the applicant that is licensed to the industry will be considered as being equivalent to 2 journal publications (in the year the licensing agreement comes into force).</li> <li>• A conference publication that is ranked A* or A by the Australian core rankings (<a href="http://portal.core.edu.au/conf-ranks/">http://portal.core.edu.au/conf-ranks/</a>) will be considered as being equivalent to 1 journal publication in the same year.</li> </ul>

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		<p><b>Ph.D. guidance (For Professor):</b> The applicant should have graduated at least 2 Ph.D. scholars. A Ph.D. student who is co-advised by the applicant will count as 1/2 student. However, the applicant should have been the primary Ph.D. supervisor for at least one of the aforementioned students.</p> <p><b>Projects/Research Grants:</b> The applicant should have executed or have as ongoing at least 1 sponsored research/consultancy projects as the PI of the project.</p>
10	Energy Science & Engineering	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:-</b> Candidates should have, in total, a minimum of 9 publications in journals listed in SCIE or Scopus. Candidates should also have a minimum of 4 publications in journals listed in SCIE or Scopus as Assistant Professor.</p> <p><b>Ph.D. guidance:-</b> Candidates should have supervised at least one Ph.D. student.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 20 publications in journals listed in SCIE or Scopus. Candidates should also have a minimum of 11 publications in journals listed in SCIE or Scopus as Associate Professor.</p> <p><b>Teaching:</b> Candidate should have taught on average two courses per year during his academic career.</p> <p><b>Ph.D. guidance:</b> Candidates should have supervised/co-supervised at least three Ph.D. students (with at least one as main supervisor)</p> <p><b>Projects/Research Grants:</b> At least 1 Project/Research grant at the level of Associate Professor</p>
11	Environmental Science & Engineering	<p><b><u>Associate Professor</u></b></p> <p>The candidate must possess Ph.D. and M.Tech./ M.E./ M.S. with research focus in Environmental Science/ Engineering from reputed Institutes. Also, the candidate should have B.Tech./B.E./B.S. in Environmental/ Civil/ Chemical/ Mechanical Engineering/ Biotechnology and allied disciplines or M.Sc. in Environmental Science and allied disciplines with consistently strong academic record throughout. The candidate who has done a Ph.D. directly after completing B.Tech./B.E./B.S. must have undergone substantial course work in Environmental Science/ Engineering.</p> <p><b>Publications criteria:</b></p>

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		<p>Candidates should have, in total, a minimum of 8 publications in Scopus/SCI index reputed journals. Out of the above, candidates must have a minimum of 5 publications in Scopus/SCI index reputed journals during their assessment period. Each patent granted (not applied/filed) will be considered as equivalent to a quality publication in a reputed international journal. Candidates with more years of research experience are expected to have correspondingly higher research achievements.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least one Ph.D. student.</p> <p><b>Projects/Research Grants:</b> Minimum 1 research grant in the assessment period.</p> <p><b>Any other eligibility criteria:</b> Minimum 1 Continuing Education Program or 1 consultancy or 1 other relevant professional activity in the assessment period.</p> <p><b><u>Professor</u></b></p> <p>The candidate must possess Ph.D. and M.Tech./ M.E./ M.S. with research focus in Environmental Science/ Engineering from reputed Institutes. Also, the candidate should have B.Tech./B.E./B.S. in Environmental/ Civil/ Chemical/ Mechanical Engineering/ Biotechnology and allied disciplines or M.Sc. in Environmental Science and allied disciplines with consistently strong academic record throughout. The candidate who has done a Ph.D. directly after completing B.Tech./B.E./B.S. must have undergone substantial course work in Environmental Science/ Engineering.</p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 16 publications in Scopus/SCI index reputed journals. Out of the above, candidates must have a minimum of 8 publications in Scopus/SCI index reputed journals during their assessment period. Each patent granted (not applied/filed) will be considered as equivalent to a quality publication in a reputed international journal. Candidates with more years of research experience are expected to have correspondingly higher research achievements.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two Ph.D. students who have graduated.</p> <p><b>Projects/Research Grants:</b> Minimum 1 research grant in the assessment period.</p> <p><b>Any other eligibility criteria:</b> Minimum 1 Continuing Education Program or 1 consultancy or 1 other relevant professional activity in the assessment period.</p>

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12	Industrial Engineering and Operations Research (IEOR)	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b></p> <ul style="list-style-type: none"> <li>• Candidates should have, in total, a minimum of 8 publications in reputed journals or refereed conference proceedings.</li> <li>• Out of the above, the candidates should also have a minimum of 3 publications in reputed journals or refereed conference proceedings during Assistant Professor Grade I or equivalent.</li> <li>• Journals and conference proceedings listed in Scopus or SCI or CORE or ABDC or AMS MathSciNet will be considered. In addition, other reputed journals and conference proceedings that will be considered as approved and listed on a link at <a href="http://www.ieor.iitb.ac.in">www.ieor.iitb.ac.in</a></li> <li>• Reviewed Book chapters, up to 2, can be counted as equivalent to 1 publication each.</li> <li>• Granted patents, up to 2, can be counted as equivalent to 1 publication each.</li> </ul> <p><b>Teaching:</b> The candidate must have demonstrated ability to teach courses relevant to Industrial Engineering/Operations research.</p> <p><b>Ph.D. Guidance:</b> Candidates should be supervisor/co-supervisor of at least one Ph.D. student. The criteria of Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non Ph.D. granting academic institutions.</p> <p><b>Projects/Research Grants:</b></p> <ul style="list-style-type: none"> <li>• At least 1 external sponsored project (externally funded) during the assessment period.</li> </ul> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b></p> <ul style="list-style-type: none"> <li>• Candidates should have, in total, a minimum of 12 publications in reputed journals or conference proceedings.</li> <li>• Out of the above, the candidates should also have a minimum of 4 publications in reputed journals or conference proceedings during their assessment period.</li> <li>• Journals and conference proceedings listed in Scopus or SCI or CORE or ABDC or AMS MathSciNet will be considered. In addition, other reputed journals and conference proceedings that will be considered as approved and listed on a link at <a href="http://www.ieor.iitb.ac.in">www.ieor.iitb.ac.in</a>.</li> <li>• Reviewed Book chapters, up to 2, can be counted as equivalent to 1 publication each.</li> <li>• Granted patents, up to 2, can be counted as equivalent to 1 publication each.</li> </ul> <p><b>Teaching:</b> Candidates must have demonstrated ability to teach courses relevant to</p>

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		<p>Industrial Engineering/Operations research.</p> <p><b>Ph.D. Guidance:</b></p> <ul style="list-style-type: none"> <li>• Candidates should be the supervisor of at least two Ph.D. students who have graduated.</li> </ul> <p><b>Projects/Research Grants:</b></p> <ul style="list-style-type: none"> <li>• At least 1 external sponsored project (externally funded) during the assessment period.</li> </ul>
13	Mathematics	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 8 publications in journals listed in AMS MathSciNet.</p> <p>Out of the above, the candidates should have a minimum of 3 publications at the Assistant Professor level in journals listed in AMS MathSciNet.</p> <p><b>Ph.D. guidance:</b> Candidates should have graduated at least one Ph.D. Student as supervisor/co-supervisor.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 12 publications in journals listed in AMS MathSciNet.</p> <p>Out of the above, the candidates should have a minimum of 4 publications at the Associate Professor level in journals listed in AMS MathSciNet.</p> <p><b>Ph.D. guidance:</b> Candidates should have graduated at least two Ph.D. students as the supervisor.</p>
14	Mechanical Engineering	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of Eight (08) publications in reputed journals (Q1 or Q2, as per SJR Ranking). Out of these, candidates should also have a minimum of Five (05) publications in reputed journals (Q1 or Q2, as per SJR Ranking) during the period as Assistant Professor (or equivalent).</p> <p>Candidates with more years of research experience are expected to have at least one additional publication in reputed journals (Q1 or Q2, as per SJR Ranking) per year of additional experience. Up to one granted patent (or technology licensed to industry) in areas relevant to the areas of specialization advertised, on which the applicant is named as an inventor, will be treated</p>



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		<p>equivalent to one journal paper. Up to one textbook published by reputed publisher will be treated equivalent to three journal papers.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least one (01) Ph.D. student, who has either graduated or is in an advanced stage. Here the advanced stage refers to when the student has either completed pre-synopsis seminar or has at least one (1) publication in a reputed journal as the lead author, produced from the doctoral work. In case of multiple supervisors/ co-supervision, the candidate may specify appropriate weightage.</p> <p><b>Teaching:</b> Candidates should have taught at least two different theory courses as Asst. Prof. (or equivalent). Significant efforts towards Instructional Laboratory development will be given due consideration.</p> <p><b>Projects/Research Grants:</b> The candidate should have at least one (01) externally funded research project awarded to his or her credit.</p> <p>The criteria of Ph.D. guidance of students or research grants or Teaching, may be relaxed for candidates with excellent research records, if they are from industry/research labs/non Ph.D. granting academic institutions.</p> <p><b><u>Professor</u></b></p> <p><b>Publication criteria:</b> Candidates should have, in total, a minimum of Fifteen (15) publications in reputed journals (Q1 or Q2, as per SJR Ranking). Out of these, candidates should also have a minimum of Six (06) publications in reputed journals (Q1 or Q2, as per SJR Ranking) as Associate Professor (or equivalent).</p> <p>Candidates with more years of research experience are expected to have at least one additional publication in reputed journals (Q1 or Q2, as per SJR Ranking) per year of additional experience.</p> <p>Up to one granted patent (or technology licensed to industry) in areas relevant to the areas of specialization advertised, on which the applicant is named as an inventor, will be treated equivalent to one journal paper.</p> <p>Up to one textbook published by reputed publisher will be treated equivalent to three journal papers.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two (02) Ph.D. students who have graduated. In case of multiple supervisors/ co-supervision, the candidate may specify appropriate weightage.</p> <p><b>Teaching:</b> Candidates should have taught at least five (5) different theory courses.</p>

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		<p>Significant efforts towards Instructional Laboratory development will be given due consideration.</p> <p><b>Projects/Research Grants:</b> The candidate should have at least two (02) externally funded research project awarded in the assessment period as Assoc Prof (or equivalent) and three (03) in cumulative period from the date of joining as Assistant Professor level or equivalent position.</p> <p>The criteria of Ph.D. guidance of students or research grants or teaching requirements, may be relaxed for candidates with excellent research records, if they are from industry/research labs/non Ph.D. granting academic institutions.</p>
15	Metallurgical Engineering & Materials Science	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b> Candidates who are applying 6 years post-Ph.D. experience, should have, in total, a minimum of 7 publications in reputed journals. For those candidates who are applying with more than 6 years of post-Ph.D. experience, the total number of publications (in reputed journals) should at least be one more than the number of years of post-Ph.D. experience.</p> <p>Reputed publications refer to (Scopus/SCI/Ei Compendex/equivalent) indexed peer reviewed Journal publications.</p> <p>Each granted patent can be considered equivalent to one publication.</p> <p>Each book can be considered equivalent to three publications.</p> <p>Each book chapter can be considered equivalent to one publication.</p> <p><b>Teaching:</b> Candidates should have taught at least 2 different courses at the under graduate level and demonstrated excellent teaching skills in their previous assignments.</p> <p><b>Ph.D. guidance:</b> Candidates should have supervised of at least one Ph.D. student.</p> <p><b>Projects/Research Grants:</b> At least should have led at least one research and development project funded by agency outside their parent organization.</p> <p><b><u>Professor:</u></b></p> <p><b>Publications criteria:</b> Candidates who are applying 10 years post-Ph.D. experience, should have, in total, a minimum of 15 publications in reputed journals. For those candidates who are applying with more than 10 years of post-Ph.D.</p>

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		<p>experience, the total number of publications (in reputed journals) should at least be five more than the number of years of post-Ph.D. experience.</p> <p>Out of the above, candidates should have a minimum of 6 publications in reputed journals during their tenure as associate professor.</p> <p>Reputed publications refer to (Scopus/SCI/Ei Compendex/equivalent) indexed peer reviewed Journal publications.</p> <p>Each granted IPR patent can be considered equivalent to one publication</p> <p>Each book can be considered equivalent to three publications.</p> <p>Each book chapter can be considered equivalent to one publication.</p> <p><b>Teaching:</b> During the tenure as associate professor, the candidate must have taught at least 3 UG courses and a total of at least 8 courses. One Lab course is considered equivalent to one theory course. For shared courses, the teaching load will be appropriately proportioned.</p> <p><b>Ph.D. guidance:</b> Candidates should have supervised at least two Ph.D. students.</p> <p><b>Projects/Research Grants:</b> At least should have led at least two research and development projects funded by agency outside their parent organization.</p>
16	Physics	<p><b><u>Associate Professor</u></b></p> <p><b>Publications Criteria:</b> A candidate should have a minimum of 10 publications in Scopus indexed, peer-reviewed journals in Physics or Astronomy. Of these a minimum of 7 should be during the Post-Ph.D. period.</p> <p><b>Teaching:</b> Candidates from academic background must have taught at least four different courses. A candidate from industrial or pure research background must have demonstrated the ability to teach.</p> <p><b>Ph.D. guidance:</b> A candidate from an academic background must have graduated at least one Ph.D. student as the sole guide. A candidate from industrial or pure research background must have demonstrated ability to mentor Ph.D. level research.</p> <p><b>Projects/Research Grants:</b> A candidate from an academic background must have got at least one sponsored project from an external funding agency. A candidate from industrial or pure research background must have demonstrated the ability to generate funding resources</p>

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		<p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> A candidate should have a minimum of 15 publications in Scopus indexed, peer-reviewed journals in Physics or Astronomy. Of these a minimum of 4 should be during the tenure of associate professorship.</p> <p><b>Teaching scores:</b> The candidate should have an average course feedback score of at least 65 based on the 5 courses with the highest scores among the courses that he/she taught during the tenure of associate professorship. The candidate should have taught the first-year common core theory courses at least once or should have opted to teach them.</p> <p><b>Ph.D. guidance:</b> The candidate should have graduated at least one Ph.D student and must have at least one more student who has given pre-synopsis seminar.</p> <p><b>Projects/Research Grants:</b> The candidate should have got at least one sponsored project from an external funding agency during the tenure as an associate professor.</p>
17	Desai Sethi School of Entrepreneurship (DSSE)	<p><b><u>Associate Professor</u></b></p> <p><b>Educational Qualifications (same as Asst. Prof)</b> (i) 4-year Bachelor's degree in any branch of Engineering or Technology or Design or Economics, or Master's degree in Design, Management or Arts/Sciences (ii) Ph.D. degree with research focused on one or more of the indicated areas of specialization.</p> <p><b>Teaching Experience:</b> Candidates should have at least 2 years of experience in teaching courses or giving guest lectures, preferably related to technology innovation / entrepreneurship in indicated areas of specialization.</p> <p><b>Student Guidance:</b> Candidates should have guided/co-guided at least one Ph.D. student (graduated OR completed pre-synopsis OR has at least one publication) OR 2 Masters students. The criteria of student guidance may be relaxed for candidates with an excellent track record of R&amp;D, if they are from industry/research labs/non-Ph.D. granting institutions.</p> <p><b>Publications Criteria:</b> Candidates should have at least 6 publications in indicated areas of specialisation (including books/chapters, management case studies and granted patents). Journals papers and case studies must be listed in Scopus or Science Citation Index. Candidates should also have a minimum of 3 publications (as defined above), in the previous four years.</p> <p><b>Sponsored Projects:</b> Candidate should be the principal investigator/ co-PI of at least one R&amp;D or</p>

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		<p>industrial project supported by external agencies/candidate's organization.</p> <p><b>Other Eligibility Criteria:</b> Candidates should have translated and commercialized (licensed) at least one research project, OR founded/ co-founded at least one start-up company OR headed an R&amp;D group/ innovation lab/ business incubator. Exceptional Clause Exceptional performance and recognitions in any one category may be considered to compensate for the shortage in at most two of the other requirements.</p> <p><b><u>Professor</u></b></p> <p><b>Educational Qualifications (same as Asst. Prof)</b> (i) 4-year Bachelor's degree in any branch of Engineering or Technology or Design or Economics, or Master's degree in Design, Management or Arts/Sciences (ii) Ph.D. degree with research focused on one or more of the indicated areas of specialization.</p> <p><b>Teaching Experience:</b> Candidates should have at least 4 years of experience in teaching courses or giving guest lectures, preferably related to technology innovation / entrepreneurship in indicated areas of specialization.</p> <p><b>Student Guidance:</b> Candidates should have guided/co-guided at least two Ph.D. student (graduated OR completed pre-synopsis OR has at least one publication) OR 4 Masters students. The criteria of student guidance may be relaxed for candidates with an excellent track record of R&amp;D, if they are from industry/research labs/non-Ph.D. granting institutions.</p> <p><b>Publications Criteria:</b> Candidates should have at least 12 publications in indicated areas of specialisation (including books/chapters, management case studies and granted patents). Journals papers and case studies must be listed in Scopus or Science Citation Index. Candidates should also have a minimum of 6 publications (as defined above), in the previous four years.</p> <p><b>Sponsored Projects:</b> Candidate should be the principal investigator/co-PI of at least two R&amp;D or industrial project supported by external agencies/candidate's organization.</p> <p><b>Other Eligibility Criteria:</b> Candidates should have translated and commercialized (licensed) at least two research projects, OR founded/ co-founded at least one start-up company OR headed an R&amp;D group/ innovation lab/ business incubator.</p> <p><b>Exceptional Clause:</b> Exceptional performance and recognitions in any one category may be considered to compensate for the shortage in at most two of the other requirements</p>
18	IDC School of Design (IDC SoD)	<p><b><u>Associate Professor</u></b></p> <p>A minimum of 6 years teaching/research/professional experience (excluding</p>

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		<p>the duration of the tenure of Ph.D.) of which at least 3 years should be at the level of Assistant Professor Grade I in IITs, IISc, IISERs, IIMs or at an equivalent level in any other Indian/Foreign Universities/ Institutions/Industries of comparable level. The candidate should have demonstrated research ability with an excellent record of publications in reputed journals and conferences and must have supervised Ph.D. students. Candidates should also have demonstrated excellent teaching abilities at higher educational institutions. It is desirable that the candidate has carried out laboratory development/course development/ technology development/ innovative work leading to patents and has generated sufficient funding for research. The criteria of supervision of Ph.D. students and teaching at higher educational institutions may be relaxed for candidates who have an exceptional research record.</p> <p><b><u>Professor</u></b></p> <p>A minimum of 10 years teaching/research/professional experience (excluding the duration of the tenure of Ph.D.) of which at least 4 years should be at the level of Associate Professor in IITs, IISc, IISERs, IIMs or at an equivalent level in any other Indian/Foreign Universities/ Institutions of comparable level. The candidate should have demonstrated leadership in research in a specific area, with an excellent record of publications in reputed journals and conferences and should have graduated Ph.D. students. Candidates should also have demonstrated excellent teaching abilities at higher educational institutions. It is desirable that the candidate has carried out laboratory development/course development/ technology development/ innovative work leading to patents and has generated sufficient funding for research. It is also desirable that the candidate has external recognition in the area of specialization.</p> <p>Teaching and Ph.D. guidance requirements may be relaxed for candidates who have an exceptional research record.</p>
19	Shailesh J. Mehta School of Management (SJMSoM)	<p><b><u>For Associate Professor</u></b></p> <p><b>Educational Qualification:-</b> Ph.D. with a first class or equivalent (in terms of Grades) in the preceding degree in the relevant discipline and a good academic record throughout. The candidates applying for a faculty position in Accounting should have a Ph.D. in Accounting or CA with Ph.D. in Accounting or Finance.</p> <p><b>Post Ph.D. Experience:-</b> A minimum of 6 years post-Ph.D. teaching/research/professional experience of which at least 3 years should be at the level of Assistant Professor Grade I in IIMs, IITs, IISc, IISERs or at an equivalent level in any other Indian/Foreign Universities/ Institutions/Industries of comparable level.</p> <p><b>Journal Paper Publications:-</b> Candidate should have published a minimum of 8 papers in reputed journals, out of which at least 4 in B or higher-level journals listed in ABDC, ERA or ABS journal list (level 2 and above), or Scopus Indexed Journals (CiteScore of 3 and above).</p>

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		<p><b>During Assessment period:</b> Minimum 3 publications in B or higher-level journals listed in ABDC, ERA or ABS journal list (level 2 and above), or Scopus Indexed Journals (CiteScore of 3 and above). Assessment period is the period since the candidate was employed as Assistant Professor.</p> <p><b>Ph.D. guidance:-</b> Candidate should be the supervisor of at least one Ph.D. student, who has graduated or is in an advanced stage. The candidates with industry experience are exempt from this.</p> <p><b>Teaching Scores:-</b> The candidates should have taught core and elective courses in the MBA programme, and should be able to teach doctoral (Ph.D.) courses in management. The candidates with industry experience are exempt from this.</p> <p><b>Desirables:-</b> The following criteria may be taken into account when considering the case of candidates applying for the position of Associate Professor and Professor. This is a desirable criteria and NOT the essential criteria for shortlisting. 1. Contribution to outreach activities such as MDP/CEP courses/programmes, conducting workshops, conferences, activities of professional organizations, consultancy projects, membership of boards of organizations, etc.</p> <p><b><u>Professor</u></b></p> <p><b>Educational Qualification:-</b> Ph.D. with a first class or equivalent (in terms of Grades) in the preceding degree in a relevant discipline and a good academic record throughout. The candidates applying for a faculty position in Accounting should have a Ph.D. in Accounting or CA with Ph.D. in Accounting or Finance.</p> <p><b>Post Ph.D. Experience:-</b> A minimum of 10 years post-Ph.D. teaching/research/professional experience of which at least 4 years should be at the level of Associate Professor in IIMs, IITs, IISc, IISERs, or at an equivalent level in any other Indian/Foreign Universities/Institutions of comparable level.</p> <p><b>Journal Paper Publications:-</b> Candidate should have published a minimum of 12 papers in reputed journals, out of which at least 6 in B or higher-level journals listed in ABDC, ERA or ABS journal list (level 2 and above), or Scopus Indexed Journals (CiteScore of 3 and above). During Assessment period: Minimum 3 publications in B or higher-level journals listed in ABDC, ERA or ABS journal list (level 2 and above), or Scopus Indexed Journals (CiteScore of 3 and above). Assessment period is the period since the candidate was employed as Associate Professor.</p> <p><b>Ph.D. guidance:-</b> Candidate should be the supervisor of at least two Ph.D. students, who have graduated (defense viva-voce successfully completed).</p>

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		<p><b>Teaching Scores:-</b> The candidates should have taught core and elective courses in the MBA programme, and should be able to teach doctoral (Ph.D.) courses in management. The candidates with industry experience are exempt from this.</p>
20	Centre for Climate Studies	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria (overall and Assessment Period):</b> Candidates should have, in total, a minimum of 9 publications in Scopus/SCI indexed journals. Candidates should also have a minimum of 6 publications in Scopus/SCI indexed journals during their assessment period. A maximum of one patent granted could be counted as equivalent to one peer-reviewed journal publication</p> <p><b>Teaching scores:</b> Candidates should have taught at least 2 courses per year during the assessment period.</p> <p>Candidates applying from outside academia, including national laboratories, must have similar demonstrated teaching experience.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor/ co-supervisor of at least one Ph.D. student, who has either graduated or is in an advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least 2 Scopus/SCI indexed Journal publications produced from the doctoral work. A weightage of 67% as main supervisor and 33% as co-supervisor will be used for Ph.D. student guidance. <i>(The criteria of Ph.D. guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non Ph.D. granting academic institutions.)</i></p> <p><b>Projects/Research Grants:</b> The candidate should have conducted at least <u>one</u> sponsored research project as PI, funded by external agency. *If a candidate does not meet the above shortlisting criteria, then demonstrated Scholarship through the following avenues for work done during the assessment period may be considered for <u>at most one</u> of the above listed requirements. The IDP-PC must strongly recommend the exemption.</p> <ul style="list-style-type: none"> <li>• For Science stream, high quality books (including textbooks), high impact monographs, edited books and book chapters (high impact reports such as IPCC Assessment Reports, FAO reports, WMO reports, etc.) can be counted towards scholarship.</li> <li>• High quality products developed by the applicant that are deemed outstanding by the IDP-PC. This includes successful translation and commercialization of the candidate's research.</li> <li>• Exceptional quality papers, as evidenced by citation scores or feedback from top experts in the area.</li> <li>• Significant awards related to Ph.D. thesis, published papers or of</li> </ul>



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		<p>national and international stature.</p> <ul style="list-style-type: none"> <li>Significant service contributions to administration of Department and Institute.</li> </ul> <p><b><u>Professor</u></b></p> <p><b>Publications criteria (overall and Assessment Period):</b>  Candidates should have, in total, a minimum of 17 publications in Scopus/SCI indexed journals.  Candidates should also have a minimum of 8 publications in Scopus/SCI indexed journals during their assessment period.  A maximum of one patent granted could be counted as equivalent to one peer-reviewed journal publication</p> <p><b>Teaching scores:</b>  Candidates should have taught at least 2 courses per year during the assessment period.</p> <p>Candidates applying from outside academia, including national laboratories, must have similar demonstrated teaching experience.</p> <p><b>Ph.D. guidance:</b>  Candidates should be the supervisor of at least two Ph.D. students who have graduated or should have graduated one student and another should be in advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least 2 Scopus/SCI indexed journal publications produced from the doctoral work.</p> <p><b>Projects/Research Grants:</b>  <i>The candidate should have conducted at least <u>two</u> sponsored research project as PI, funded by external agency.</i>  <i>*If a candidate does not meet the above shortlisting criteria, then demonstrated Scholarship through the following avenues for work done during the assessment period may be considered for <u>at most one</u> of the above listed requirements. The IDP-PC must strongly recommend the exemption.</i></p> <ul style="list-style-type: none"> <li>For Science stream, high quality books (including textbooks), high impact monographs, edited books and book chapters (high impact reports such as IPCC Assessment Reports, FAO reports, WMO reports, etc.) can be counted towards scholarship.</li> <li>High quality products developed by the applicant that are deemed outstanding by the IDP-PC. This includes successful translation and commercialization of the candidate's research.</li> <li>Exceptional quality papers, as evidenced by citation scores or feedback from top experts in the area.</li> <li>Significant awards related to Ph.D. thesis, published papers or of national and international stature.</li> </ul>

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21	Centre for Educational Technology	<p><b>Associate Professor</b></p> <p>Publications criteria (overall and Assessment Period):- Candidates should have, in total, a minimum of 6 publications on EdTech related topics in reputed journals. Since the area is interdisciplinary and has conferences with rigorous peer review, two full papers in the conferences specifically identified by the department may be considered in lieu of one journal paper; conference papers may be considered in lieu of at most 2 journal papers. Candidates should also have a minimum of 4 journal papers in reputed journals during the past 6 years. 4 full papers in conferences specifically identified by the department may be considered in lieu of at most 2 journal papers. Journals indexed in Scopus/SCI index, or CORE Ranking of B or higher, are considered reputed.</p> <p><b>Teaching:</b> Candidates should have taught at least an average of two courses in the EdTech domain per year during the preceding 3 years.</p> <p><b>Masters Project guidance:</b> Candidates should have guided at least 3 Master's students in the EdTech domain.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least one Ph.D. student in the EdTech domain who has graduated.</p> <p><b>Projects/Research Grants:</b> Awarded at least one sponsored research grants or consultancy projects during the review period.</p> <p><b>Other criteria:</b></p> <ul style="list-style-type: none"> <li>● Carrying out outreach activities such as NPTEL or Continuing Education Program courses during the review period will be considered as an additional advantage.</li> <li>● Carrying out research initiatives towards capacity building at the local/regional level will be considered as an additional advantage.</li> <li>● Establishing new labs or contribution to the development of existing Labs or courses, will be considered as an additional advantage.</li> <li>● Awards/book chapters/conferences organized etc. may be considered an additional advantage.</li> <li>● Serving the department/institute as a committee member or in any other capacity is desirable.</li> </ul> <p>Exceptions can be made if warranted. Exceptional criteria include: Prestigious fellowship/ awards like Swarnajayanthi, Bhatnagar, highly successful translation and commercialization of the candidate's research.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 12 publications on EdTech</p>

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		<p>related topics in reputed journals. Since the area is interdisciplinary and has conferences with rigorous peer review, two full papers in the conferences specifically identified by the department may be considered in lieu of one journal paper; conference papers may be considered in lieu of at most 4 journal papers. Candidates should also have a minimum of 6 journal papers in reputed journals during the past 7 years. 4 full papers in conferences specifically identified by the department may be considered in lieu of at most 2 journal papers. Journals indexed in Scopus/SCI index, or CORE Ranking of B or higher, are considered reputed.</p> <p><b>Teaching:</b> Candidates should have taught at least an average of two courses per year in EdTech domain for 4 years within the preceding 7 years.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor of at least two Ph.D. students in the EdTech domain who have graduated.</p> <p><b>Projects/Research Grants:</b> Awarded at least two sponsored research grants or consultancy projects during the review period.</p> <p><b>Other criteria:</b></p> <ul style="list-style-type: none"> <li>• Carrying out outreach activities, such as NPTEL or Continuing Education program courses will be considered as an additional advantage.</li> <li>• Carrying out research initiatives towards capacity building at the local/regional level will be considered as an additional advantage.</li> <li>• Establishing new labs or contribution to the development of existing Labs or courses, will be considered as an additional advantage.</li> <li>• Awards/book chapters/conferences organized etc. may be considered an additional advantage.</li> </ul> <p>Exceptions can be made if warranted. Exceptional criteria include: Prestigious fellowship/ awards like Swarnajayanthi, Bhatnagar, highly successful translation and commercialization of the candidate's research.</p>
22	Centre for Systems and Control	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b></p> <ul style="list-style-type: none"> <li>• The candidate should have, in total, a minimum of _6_ publications accepted in journals indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet.</li> <li>• In addition to the above minimum specified the candidate must have, on average, at least _1_ additional publication for every full year after the first full year since the completion of their Ph.D., that are accepted in journals indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet.</li> <li>• Each patent granted will be counted as equivalent to two journal publications and each patent filed will be counted as equivalent to 0.5 journal publications for the above criteria.</li> </ul>

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		<p><b>Ph.D. guidance:</b></p> <ul style="list-style-type: none"> <li>• The candidate should have supervised/co-supervised at least one Ph.D. student who has either graduated or is in an advanced stage of graduation. Advanced stage is when the student has either completed pre-synopsis or has at least _1_ publication, primarily authored by the student, accepted in a journal indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet, produced from the doctoral work.</li> </ul> <p><b>Any other eligibility criteria:</b></p> <ul style="list-style-type: none"> <li>• In case the candidate does not meet the publication criteria, then books/monographs may be considered towards meeting the criteria.</li> </ul> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b></p> <ul style="list-style-type: none"> <li>• The candidate should have, in total, a minimum of _16_ publications accepted in journals indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet.</li> <li>• In addition to the above minimum specified the candidate must have, on average, at least _1_ additional publication for every full year after the first full year since the completion of their Ph.D., that are accepted in journals indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet.</li> <li>• Each patent granted will be counted as equivalent to two journal publications and each patent filed will be counted as equivalent to 0.5 journal publications for the above criteria.</li> </ul> <p><b>Ph.D. guidance:</b></p> <ul style="list-style-type: none"> <li>• The candidate should have supervised/co-supervised at least two Ph.D. students who have graduated and another who has graduated or is in an advanced stage of graduation. Advanced stage is when the student has either completed pre-synopsis or has at least _1_ publication, primarily authored by the student, accepted in a journal indexed in INSPEC/Scopus/SCIE and/or abstracted in mathscinet, produced from the doctoral work. The candidate should be the main supervisor of at least one of these students.</li> </ul> <p><b>Any other eligibility criteria:</b></p> <ul style="list-style-type: none"> <li>• In case the candidate does not meet the publication criteria, then books/monographs may be considered towards meeting the criteria.</li> </ul>
23	Ashank Desai Centre for Policy Studies (ADCPS)	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b></p> <p>A candidate should have a minimum of 8 publications*, five of which should be journal publications. A candidate should have a minimum of 5 policy relevant publications* in the assessment period, 3 of which should be journal publications. A *publication refers to: -</p> <ul style="list-style-type: none"> <li>- paper in a refereed journal (indexed in Scopus/SCI, JSTOR, Sage, MUSE, ABDC or equivalent reputed journals);</li> <li>- text book or a monograph from a reputed publisher (equal to 2 publications);</li> <li>- chapter in a peer-reviewed edited volume (equal to 1 publication).</li> </ul>

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		<p><b>Teaching:</b> A candidate should have taught at least an average of two courses per year during the assessment period, excluding periods of long leaves.</p> <p><b>Ph.D. Guidance:</b> Candidate must be actively engaged in guiding Ph.D students [either as a guide or as a co-guide], with at least one Ph.D. student who has completed or is at an advanced stage. An advanced stage indicates: having a student who has completed pre-synopsis or having coauthored 1 publication with a student. If the candidate is a co-guide, it will be counted as guiding 1/2 a student. The count will be treated as 1 for the guide even if there is a co-guide.</p> <p><b>Master's students Guidance:</b> The candidate must be actively engaged in guiding Master's students [as a guide], with at least 2 full Master's dissertations completed.</p> <p><b><u>Professor</u></b></p> <p><b>Professor Publications criteria:</b> A candidate should have a minimum of 12 publications*, 7 of which should be journal publications. Candidate should have a minimum of 4 policy relevant publications* in the assessment period, 2 of which should be journal publications. A *publication refers to: - a paper in a refereed journal (indexed in Scopus/SCI, JSTOR, Sage, MUSE, ABDC or equivalent reputed journals); - a text book or a monograph from a reputed publisher (equal to 2 publications); - a chapter in a peer-reviewed edited volume (equal to 1 publication).</p> <p><b>Teaching:</b> A candidate should have taught at least an average of two courses per year during the assessment period, excluding periods of long leaves. A candidate should have taught at least 4 different courses during his/ her career.</p> <p><b>Ph.D. Guidance:</b> Candidates must be actively engaged in guiding Ph.D students [either as a guide or as a co-guide], with at least two Ph.D. students or one student awarded and another at an advanced stage of completion. An advanced stage indicates: having a student who has completed pre-synopsis or having coauthored 1 publication with a student. If the candidate is a co-guide, it will be counted as guiding 1/2 a student. The count will be treated as 1 for the guide even if there is a co-guide.</p> <p><b>Master's students Guidance:</b> Candidates must be actively engaged in guiding Master's students [as a guide], with at least 4 full Master's dissertations completed.</p> <p><b>Projects and Research Grants:</b> The candidate should have been a PI/ co-PI for at least one externally funded sponsored project during the assessment period.</p>

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24	Centre of Studies in Resources Engineering (CSRE)	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 8 publications in Scopus/SCI indexed journals. Patent(s) granted and Book(s) published will be considered equivalent to journal publications.</p> <p><b>Ph.D. guidance:</b> The candidate should have graduated one Ph.D. student. If the candidate is a co-supervisor of a student who has graduated, it will be counted as guiding 1/2 a student. The count will be treated as 1 for the main supervisor, even if there is a co-supervisor.</p> <p><b>Projects/Research Grants:</b> The applicant is expected to have sponsored/consultancy project(s) with a total sanctioned grant of approximately Rs. 20 lakhs. For candidates from industry: the candidate should be involved in execution of projects related to geoinformatics and earth observation.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> Candidates should have, in total, a minimum of 14 publications in Scopus/SCI indexed journals. Out of the above, the candidate must have a minimum of 6 publications in Scopus/SCI indexed journals as Associate Professor. Patent(s) granted and Book(s) published will be considered equivalent to journal publications.</p> <p><b>Teaching Criteria:</b> Candidates should have taught at least one course per semester as Associate Professor.</p> <p><b>Ph.D. guidance:</b> The candidate should have graduated two Ph.D. students. If the candidate is a co-supervisor of a student who has graduated, it will be counted as guiding 1/2 a student. The count will be treated as 1 for the main supervisor, even if there is a co-supervisor.</p> <p><b>Projects/Research Grants:</b> The applicant is expected to have sponsored/consultancy project(s) with a total sanctioned grant of approximately Rs. 50 lakhs. For candidates from industry: the candidate should be involved in execution of projects related to geoinformatics and earth observation.</p>
25	Centre for Technology Alternatives for Rural Areas (CTARA)	<p><b><u>Associate Professor</u></b></p> <p><b>Publications criteria (overall and Assessment Period which is at Assistant Professor Grade I level)</b> High quality research, evidenced by publications in Scopus/SCI indexed journals/conferences, book chapters, patents (granted), and important case studies. Candidates should have, in total, a minimum of 10 publications in</p>

Sr. No.	Academic Unit	Criteria
		<p>Scopus/SCI indexed journals. Candidates should also have a minimum of 6 publications during their assessment period including minimum 3 publications in international peer reviewed journals. While the remaining 3 publications may come in the following forms–</p> <ul style="list-style-type: none"> <li>● book chapters/conference proceedings</li> <li>● granted patent</li> <li>● published case studies/monographs</li> </ul> <p><b>Masters Project guidance:</b> Candidates should have guided at least 6 Master's students.</p> <p><b>Ph.D. guidance:</b> Candidates should be the main supervisor of at least one Ph.D. student, who has either graduated or completed pre-synopsis.</p> <p><b>Projects/Research Grants:</b> At least one extramural research project (sponsored) initiated as a PI in the current position.</p> <p><b>Other desirable criteria:</b> Candidate should have demonstrated interest and ability to: (1) identify and formalise problems of relevance to broader society, and this may be demonstrated by: (i) key formal interactions with ground agencies and elected bodies leading to consultancy/technology output useful to local agency. (ii) demonstrated technology and/or policy intervention. (2) teach in the area of technology and development.</p> <p><b><u>Professor</u></b></p> <p><b>Publications criteria:</b> High quality research, evidenced by publications in Scopus/SCI indexed journals/conferences, book chapters, patents (filed and granted), and important case studies. Candidates should have, in total, a minimum of 18 publications in Scopus/SCI indexed journals. Candidates should also have a minimum of 10 publications in Scopus/SCI indexed journals during their assessment period including minimum 6 publications in international peer reviewed journals. While the remaining 4 publications may come in the following forms –</p> <ul style="list-style-type: none"> <li>● book chapters/conference proceedings</li> <li>● granted patent</li> <li>● published case studies/monographs</li> </ul> <p><b>Teaching:</b> Candidates should have taught a variety of courses (minimum 4 different courses). Masters</p> <p><b>Project guidance:</b> Candidates should have guided at least 8 Master's students. Ph.D. guidance: Candidates should be the supervisor of at least two Ph.D. students who have graduated or at least one student graduated and one completed pre-synopsis.</p>

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		<p><b>Projects/Research Grants:</b> At least two extramural research projects (sponsored) initiated as a PI in the current position and one completed as a PI during the assessment period.</p> <p><b>Other desirable criteria:</b> Candidate should have demonstrated interest and ability to: (1) Identify and formalise problems of relevance to broader society, and this may be demonstrated by: (i) key formal interactions with ground agencies and elected bodies leading to consultancy/technology output useful to local agency. (ii) demonstrated technology and/or policy intervention. (2) Teach in the area of technology and development.</p>
26	Koita Centre for Digital Health (KCDH)	<p><b><u>Associate Professor</u></b></p> <p>Candidates should have, in total, a minimum of eight (8) publications in reputed journals or peer reviewed conferences.</p> <p>Candidates should also have a minimum of four (4) publications in reputed journals or peer reviewed conferences during their assessment period.</p> <p>Reputed Journals or Conference Proceedings with inclusion in Scopus/SCI index, Math-SCI, SciMajor index, Core Ranking (B or higher), ABDC list (for economics, statistics), medical journals with high impact factor.</p> <ul style="list-style-type: none"> <li>• Reputed peer reviewed conference proceedings will be counted at par with reputed journals.</li> <li>• Each of up to three (3) granted patents in the Healthcare or Bio domain can be counted as equivalent to 1 publication.</li> <li>• Avoid double counting of patents and publications.</li> </ul> <p>Digital health oriented lab and product development efforts (technology, product, process, protocols, etc.) that have reached a stage of maturity viz., peer-reviewed demonstration of proof-of-concept such as in the form of acceptance by a funding agency or an industry for enhancement of TRL, deployment, etc., may be considered as equivalent to one or up to two original research publication(s) in Scopus (or equivalent) indexed journals.</p> <p><b>Masters' Project guidance:</b> Candidates should have guided or co-guided at least four (4) Master's/Dual Degree students during the assessment period.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor/ co-supervisor of at least one Ph.D. student, who has either graduated or is in an advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least one (1) publications produced from the doctoral work. The criteria of guidance of students may be relaxed for candidates with excellent research records, if they are from industry/research labs/non-Ph.D. granting academic institutions.</p>



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		<p><b>Teaching Experience:</b> Candidates should have demonstrated an excellent teaching record in the assessment period. Candidates should have taught at least an average of <u>2</u> full semester courses per year during the assessment period, excluding periods of long leaves. The criteria may be relaxed for candidates with excellent research records, if they are from industry/hospitals/research labs.</p> <p><b><u>Professor</u></b></p> <p>Candidates should have, in total, a minimum of fifteen (15) publications in reputed journals or peer reviewed conferences.</p> <p>Candidates should also have a minimum of six (6) publications in reputed journals or peer reviewed conferences during their assessment period.</p> <p>Reputed Journals or Conference Proceedings with inclusion in Scopus/SCI index, Math-SCI, SciMajor index, Core Ranking (B or higher), ABDC list (for economics, statistics), medical journals with high impact factor.</p> <ul style="list-style-type: none"> <li>• Reputed conference proceedings at par with reputed journals.</li> <li>• Each of up to 3 granted patents in the Healthcare or Bio domain can be counted as equivalent to 1 publication.</li> <li>• Avoid double counting of patents and publications.</li> </ul> <p><b>Masters Project guidance:</b> Candidates should have guided at least eight (8) Master's students during the assessment period.</p> <p><b>Ph.D. guidance:</b> Candidates should be the supervisor/ co-supervisor of at least two Ph.D. students, who have either graduated or are in an advanced stage. Advanced stage is when the student has completed pre-synopsis or has at least one publication produced from the doctoral work.</p> <p><b>Projects/Research Grants:</b> At least one project/ Research grant at the level of Associate professor.</p> <p><b>Teaching scores:</b> Candidates should have demonstrated an excellent teaching record in the assessment period. Candidates should have taught at least an average of two full semester courses per year during the assessment period, excluding periods of long leaves.</p>