

Minimum Eligibility Criteria for Admission to Ph.D. Programmes

[Semester II, 2021-22]

Discipline	Minimum Eligibility Criteria in November 2021
BIOLOGICAL ENGINEERING	At least 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in: MSc (Biosciences / Biochemistry / Chemistry / Zoology / Botany); BTech/MTech (Biochemical / Biotechnology / Bioinformatics / Biophysics / Biomaterials / Biomedical Engineering) or equivalent degree and related programs.
CHEMICAL ENGINEERING	First Class or 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in: BE/BTech/ME/MTech or equivalent degree in Chemical Engineering OR related branches of Engineering.
CHEMISTRY	At least 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in: MSc (Inorganic Chemistry/Analytical Chemistry/ Organic Chemistry/ General Chemistry/ Physical Chemistry/ Biochemistry/ Bioinformatics/ Computational Biology/ Applied Chemistry) or equivalent degree and related programs. Applicants must have qualified NET /GATE examination.
CIVIL ENGINEERING	First Class or 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in: BE/BTech/ME/MTech or equivalent degree in Civil Engineering or closely related field.
COGNITIVE SCIENCE	60% (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in BTech/MTech/MSc or equivalent OR 55% (50% for SC/ST/PD) or 5.5 (5.0 for SC/ST/PD) CPI/CGPA on the scale of 10 in: MA or equivalent
COMPUTER SCIENCE AND ENGINEERING	BE/BTech/MTech/ME/MS or equivalent degree in CS/EC/EE/related areas with 65% marks (60% for SC/ST/PD) or 6.5 (6.0 for SC/ST/PD) CPI/CGPA on the scale of 10 OR MSc in Mathematics/Physics/Bioinformatics or related areas with 1st class or 65% marks (60% for SC/ST/PD) or 6.5 (6.0 for SC/ST/PD) CPI/CGPA on the scale of 10 and strong interest in computer science and engineering.

<p>HUMANITIES AND SOCIAL SCIENCES</p>	<p>55% (50% for SC/ST) or 5.5 (5.0 for SC/ST/PD) CPI/CGPA on the scale of 10 in: MA or equivalent. OR 60% (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST) CPI/CGPA on the scale of 10 in BTech/MTech/MSc or equivalent.</p>
<p>EARTH SCIENCES</p>	<p>MSc (Geology, Geophysics, Remote Sensing, Geography, natural sciences or related subjects) with 60% marks (55% for SC/ST/PD) or a CPI/CGPA of 6.0 (5.5 for SC/ST/PD) out of 10. Must be CSIR-NET, INSPIRE fellowship or GATE qualified OR M.Tech./M.Phil. (Geology, Earth Sciences, Geophysics, Environmental Sciences, Remote Sensing/GIS/Geomatics, Hydrology, Civil Engineering or related subjects) with 60% marks (55% for SC/ST/PD) / CPI/CGPA of 6.0 (5.5 for SC/ST/PD) out of 10.</p>
<p>ELECTRICAL ENGINEERING</p>	<p>First Class or 65% marks (60% for SC/ST/PD) or 6.5(6.0 for SC/ST/PD) CPI/CGPA on the scale of 10 in: BE/BTech/ME/MTech or Equivalent degree in the broad area of Electrical and/or Electronics engineering, OR BE/BTech/ME/MTech or Equivalent degree in other branches of Engineering may be considered in areas consistent with the research areas of the discipline, OR MSc in disciplines consistent with the research areas of the discipline.</p>
<p>MECHANICAL ENGINEERING</p>	<p>First Class or 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in:</p> <p>BE/BTech/ME/MTech/MS or equivalent degree in Mechanical Engineering</p> <p>OR</p> <p>BE/BTech/ME/MTech/MS degree or equivalent in Chemical Engineering/Electrical and/or Electronics Engineering/ Production Engineering/Industrial Engineering and/or Design/ Aerospace and/or Aeronautical Engineering/ Civil and/or Structural Engineering/ Instrumentation and Control/ Metallurgical and/or Materials Engineering/ Engineering Physics/Applied Mechanics/ Ocean Engineering and/or Naval Architecture/ Engineering Design/ Biotechnology and/or Bio Engineering/ Energy Science and Engineering/ Nuclear Engineering/ Polymer Science and/or Engineering/ Textile Engineering/</p> <p>OR</p> <p>MSc or equivalent degree in Physics/Mathematics with valid NET/GATE.</p> <p>OR</p> <p>BE/BTech/ME/MTech/MS/MSc Degree in other branches of Engineering/Technology/Sciences with an outstanding academic record may also be considered for research areas consistent with their academic background and special interests of the discipline.</p>

<p>MATERIALS ENGINEERING</p>	<p>First Class or 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 in: B.E. / B. Tech. / M. Tech. / M.S. or equivalent degree in Materials Science / Materials Engineering / Metallurgical Engineering / Mechanical Engineering / Manufacturing Engineering / Polymer Engineering / Ceramic Engineering / Biological Engineering / Chemical Engineering / Electrical Engineering / Electronics Engineering / Physics / Chemistry / Biotechnology / Nanotechnology / Food science or any other related program.</p> <p>OR</p> <p>BE/BTech/ME/MTech/MS/MSc Degree in other branches of Engineering/Technology/Sciences with an outstanding academic record may also be considered for research areas consistent with their academic background and special interests of the discipline.</p>
<p>MATHEMATICS</p>	<p>M.A./M.Sc. in Mathematics with at least First Class or 60% marks (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST/PD) CPI/CGPA on the scale of 10 OR BE/BTech with at least 60% (55% for SC/ST/PD) or 6.0 (5.5 for SC/ST) CPI/CGPA will be considered.</p>
<p>PHYSICS</p>	<p>MSc (in Physics, Applied Physics, Mathematics, Statistics, Comp. Science), BS-MS / Integrated MSc in Physics / Engg. Physics / Mathematics and MTech (in related areas of Physics) or BE / BTech / BS in Engineering Physics with 60% marks (55% for SC/ST/PD) or a CPI/CGPA of 6.0 out of 10.0 (5.5/10.0 for SC/ST/PD candidates). Applicants must have qualified NET (Physics)/ GATE(Physics)/ JEST(Physics) examination.</p>