

CIVIL ENGINEERING DEPARTMENT

Shortlisting Criteria of 2nd Semester of Academic Session 2023-2024 for Ph.D. (Full Time / Part Time / Full Time - Sponsored) Program

1. Ph.D. (Full Time)

SECTION	FULL TIME (Institute/Project Assistantship)					
	GEN/EWS/OBC	GEN/EWS/OBC		SC/ST/PH		
	M.Tech. (CGPA or Marks)	B.Tech. [§] /M.Sc. [^] (M.Sc. for ENV Section Only)		M.Tech. (CGPA or Marks)	B.Tech. [§] /M.Sc. [^] (M.Sc. for ENV Section Only)	
	CGPA or Marks		GATE Score	CGPA or Marks		GATE Score
STR	A. >=7.25 OR 72.5% B. >=7.75 OR 77.5% C. >=8.00 OR 80.0% D. >=9.00 OR 90.0%	A. >=7.75 OR 77.5% B. >=8.00 OR 80.0% C. >=8.00 OR 80.0% D. >=9.00 OR 90.0%	>=700	A. >=6.75 OR 67.5% B. >=7.25 OR 72.5% C. >=7.50 OR 75.0% D. >=8.50 OR 85.0%	A. >=7.25 OR 72.5% B. >=7.50 OR 75.0% C. >=7.50 OR 75.0% D. >=8.50 OR 85.0%	>=600
GEO	A. >=7.25 OR 72.5% B. >=7.75 OR 77.5% C. >=8.00 OR 80.0% D. >=9.00 OR 90.0%	A. >=7.75 OR 77.5% B. >=8.00 OR 80.0% C. >=8.00 OR 80.0% D. >=9.00 OR 90.0%	>=700	A. >=6.75 OR 67.5% B. >=7.25 OR 72.5% C. >=7.50 OR 75.0% D. >=8.50 OR 85.0%	A. >=7.25 OR 72.5% B. >=7.50 OR 75.0% C. >=7.50 OR 75.0% D. >=8.50 OR 85.0%	>=600
WAT	A. >=7.00 OR 70.0% B. >=7.25 OR 72.5% C. >=7.75 OR 77.5% D. >=8.50 OR 85.0%	A. >=7.25 OR 72.5% B. >=7.75 OR 77.5% C. >=8.00 OR 80.0% D. >=9.00 OR 90.0%	>=700	A. >=6.50 OR 65.0% B. >=6.75 OR 67.5% C. >=7.25 OR 72.5% D. >=8.00 OR 80.0%	A. >=6.75 OR 67.5% B. >=7.25 OR 72.5% C. >=7.50 OR 75.0% D. >=8.50 OR 85.0%	>=600
ENV	A. >=7.00 OR 70.0 % B. >=7.50 OR 75.0% C. >=8.00 OR 80.0% D. >=8.75 OR 87.5%	A. >=7.50 OR 75.0% B. >=8.00 OR 80.0% C. >=8.00 OR 80.0% D. >=9.00 OR 90.0% For M.Sc.^ (Read the Note)	GATE >=600 / UGC(NET)-JRF /CSIR-JRF	A. >=6.50 OR 65.0% B. >=7.00 OR 70.0% C. >=7.75 OR 75.5% D. >=8.25 OR 82.5%	A. >=7.00 OR 70.0% B. >=7.50 OR 75.0% C. >=7.50 OR 75.0% D. >=8.50 OR 85.0% For M.Sc.^ (Read the Note)	GATE >=500 / UGC(NET)-JRF /CSIR-JRF
TRA	A. >=7.00 OR 70.0% B. >=7.00 OR 70.0% C. >=7.25 OR 72.5% D. >=8.00 OR 80.0%	A. >=7.00 OR 70.0% B. >=7.25 OR 72.5% C. >=7.75 OR 77.5% D. >=8.75 OR 87.5%	>=700	A. >=6.50 OR 65.0% B. >=6.50 OR 65.0% C. >=6.75 OR 67.5% D. >=7.50 OR 75.0%	A. >=6.50 OR 65.0% B. >=6.75 OR 67.5% C. >=7.25 OR 72.5% D. >=8.25 OR 82.5%	>=600

Description of categories mentioned in qualifying degree cut off marks.

- A. IITs (Old 5), IISc Bangalore, Top 100 institution in QS ranking 2022 in Civil Engineering.
- B. IITs (Others), Top 25 NIRF Top 2022 (Apart from the institutions covered in category A.)
- C. All other CFTIs and central universities.
- D. All other institutes.

Note:

\$ GATE Score is waived off for graduates of CFTI's with B.Tech./ B.E./ Integrated M.Tech. degree subject to a minimum CGPA of 8.0.

^ Candidate with M.Sc. with CGPA \geq 7.0 or 70% marks for GEN/EWS/OBC and CGPA \geq 6.5 or 65.0% marks for SC/ST/PH **AND** holding UGC(NET)-JRF / CSIR-JRF are eligible for Environment Engineering Section only. For candidates with M.Sc. from IITs with CGPA of 8.00 or above the requirement of GATE/UGC(NET)-JRF/CSIR is waived off.

Interviews of shortlisted candidates will be held online on **29th & 30th November 2023**. A detailed schedule will be decided after completing the shortlisting.

2. Ph.D. (Part Time/Full Time - Sponsored)

SECTION	PART TIME				FULL TIME (SPONSORED)			
	GEN/EWS/OBC		SC/ST/PH		GEN/EWS/OBC		SC/ST/PH	
	Only M.Tech. (CGPA or Marks)	EXPERIENCE	Only M.Tech. (CGPA or Marks)	EXPERIENCE	Only M.Tech./M.Sc.* (M.Sc. for ENV Section Only) (CGPA or Marks)	EXPERIENCE	Only M.Tech./M.Sc.* (M.Sc. for ENV Section Only) (CGPA or Marks)	EXPERIENCE
STR	>=8.00 OR 80.00%	As per Institute Criteria	>=7.50 OR 75.00%	As per Institute Criteria	>=8.00 OR 80.00%	As per Institute Criteria	>=7.50 OR 75.00%	As per Institute Criteria
GEO	>=8.00 OR 80.00%	As per Institute Criteria	>=7.50 OR 75.00%	As per Institute Criteria	>=7.75 OR 77.50%	As per Institute Criteria	>=7.25 OR 72.50%	As per Institute Criteria
WRE	>=7.50 OR 75.00%	Min 2Year Exp.	>=7.00 OR 70.00%	Min 2 Year Exp.	>=7.50 OR 75.00%	Min 2 Year Exp.	>=7.00 OR 70.00%	Min 2 Year Exp.
ENV	>=7.00 OR 70.00%	As per Institute Criteria	>=6.50 OR 65.00%	As per Institute Criteria	For M.Tech. >=7.00 OR 70.00% For M.Sc. * (Read the Note)	As per Institute Criteria	For M.Tech. >=6.50 OR 65.00% For M.Sc. * (Read the Note)	As per Institute Criteria
TRA	>=8.00 OR 80.00%	As per Institute Criteria	>=7.50 OR 75.00%	As per Institute Criteria	>=8.00 OR 80.00%	As per Institute Criteria	>=8.00 OR 80.00%	As per Institute Criteria

Note:

*Candidate with M.Sc. with CGPA ≥ 7.0 or 70.0% marks for GEN/EWS/OBC and CGPA ≥ 6.5 or 65.0% marks for SC/ST/PH **AND** holding UGC(NET)-JRF / CSIR-JRF are eligible for admission to Ph.D. (Full Time Sponsored) for Environment Engineering Section only. For candidates with M.Sc. from IITs with CGPA of 8.00 or above the requirement of GATE/UGC(NET)-JRF/CSIR-JRF is waived off.

Interviews of shortlisted candidates will be held online on **29th & 30th November 2023**. A detailed schedule will be decided after completing the shortlisting.

Annexure I

QS Rankings 2022, Engineering – Civil & Structural (Top 100 Institutions)

1. Massachusetts Institute of Technology (MIT)
2. Delft University of Technology
3. National University of Singapore (NUS)
4. University of California, Berkeley (UCB)
5. University of Cambridge
6. Imperial College London
7. ETH Zurich - Swiss Federal Institute of Technology
8. Nanyang Technological University, Singapore (NTU)
9. Stanford University
10. EPFL
11. Politecnico di Milano
12. Tsinghua University
13. The University of New South Wales (UNSW Sydney)
14. University of Oxford
15. The Hong Kong Polytechnic University
16. University of Illinois at Urbana-Champaign
17. The University of Sydney
18. The University of Tokyo
19. University of Texas at Austin
20. Georgia Institute of Technology
21. The Hong Kong University of Science and Technology
22. The University of Hong Kong
23. Tongji University
24. Purdue University
25. The University of Melbourne
26. University of British Columbia
27. Monash University
28. University of California, Los Angeles (UCLA)
29. Universitat Politècnica de Catalunya · BarcelonaTech (UPC)
30. University of Toronto
31. Politecnico di Torino
32. Universidad Politécnica de Madrid (UPM)
33. Seoul National University
34. Pontificia Universidad Católica de Chile (UC)
35. University of Michigan-Ann Arbor

36. The University of Queensland
37. Tokyo Institute of Technology (Tokyo Tech)
38. National Taiwan University (NTU)
39. Kyoto University
40. The University of Auckland
41. UCL
42. Technical University of Denmark
43. The University of Manchester
44. KTH Royal Institute of Technology
45. Texas A&M University
46. University of Leeds
47. KAIST - Korea Advanced Institute of Science & Technology
48. The University of Sheffield
49. Technical University of Munich
50. National Technical University of Athens
51. Cairo University
52. California Institute of Technology (Caltech)
53. Carnegie Mellon University
54. Chalmers University of Technology
55. City University of Hong Kong
56. Columbia University
57. Cornell University
58. Curtin University
59. Ecole des Ponts ParisTech
60. Hanyang University
61. Indian Institute of Technology Bombay (IITB)
62. Indian Institute of Technology Delhi (IITD)
63. Indian Institute of Technology Madras (IITM)
64. Istanbul Technical University
65. King Abdulaziz University (KAU)
66. King Fahd University of Petroleum & Minerals
67. Korea University
68. KU Leuven
69. McGill University
70. Newcastle University
71. Northwestern University
72. Norwegian University of Science and Technology
73. Queensland University of Technology (QUT)
74. RMIT University

75. RWTH Aachen University
76. Sapienza University of Rome
77. Shanghai Jiao Tong University
78. Technische Universität Berlin (TU Berlin)
79. Technische Universität Wien
80. The University of Adelaide
81. The University of Edinburgh
82. The University of Newcastle, Australia (UON)
83. The University of Western Australia
84. Universidad Nacional Autónoma de México (UNAM)
85. Universidade de São Paulo
86. Universiti Malaya (UM)
87. Universiti Teknologi Malaysia
88. University of Bristol
89. University of California, Davis
90. University of California, San Diego (UCSD)
91. University of Canterbury | Te Whare Wānanga o Waitaha
92. University of Lisbon
93. University of Nottingham
94. University of Porto
95. University of Southampton
96. University of Technology Sydney
97. University of Waterloo
98. University of Wollongong
99. Yonsei University
100. Zhejiang University

Annexure II

NIRF India Rankings 2022: Engineering (Top 25)

Institution

1. Indian Institute of Technology Madras
2. Indian Institute of Technology, Delhi
3. Indian Institute of Technology, Bombay
4. Indian Institute of Technology Kanpur
5. Indian Institute of Technology, Kharagpur
6. Indian Institute of Technology, Roorkee
7. Indian Institute of Technology Guwahati
8. National Institute of Technology, Tiruchirappalli
9. Indian Institute of Technology Hyderabad
10. National Institute of Technology Karnataka, Surathkal
11. Jadavpur University, Kolkata
12. Vellore Institute of Technology, Vellore
13. Indian Institute of Technology (Banaras Hindu University) Varanasi
14. Indian Institute of Technology (Indian School of Mines), Dhanbad
15. National Institute of Technology Rourkela
16. Indian Institute of Technology Indore
17. Anna University
18. Institute of Chemical Technology, Mumbai
19. Amrita Vishwa Vidyapeetham, Coimbatore
20. Indian Institute of Technology, Mandi
21. National Institute of Technology Warangal
22. Indian Institute of Technology Ropar
23. Indian Institute of Technology, Gandhinagar
24. S.R.M. Institute of Science and Technology, Chennai
25. Amity University, Gautam Buddha Nagar