

# CIVIL ENGINEERING DEPARTMENT, IIT DELHI

## Shortlisting Criteria of 1<sup>st</sup> Semester of Academic Session 2024-2025 for Ph.D. (Full Time / Part Time / Full Time - Sponsored) Program

### 1. Ph.D. (Full Time)

RESEARCH AREA	Full Time Institute Teaching Assistantship / Project Assistantship					
	GEN/EWS/OBC	GEN/EWS/OBC		SC/ST/PwD		
	M.Tech. (CGPA or Marks)	B.Tech. <sup>§</sup> /M.Sc. <sup>^</sup> (M.Sc. for ENV Section Only)		M.Tech. (CGPA or Marks)	B.Tech. <sup>§</sup> /M.Sc. <sup>^</sup> (M.Sc. for ENV Section Only)	
		CGPA or Marks	GATE Score		CGPA or Marks	GATE Score
<b>STR</b>	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%	>=600	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%	>=500
<b>GEO</b>	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
<b>WAT</b>	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
<b>ENV</b>	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%	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%	GATE >=500 / UGC(NET)-JRF / CSIR-JRF
<b>TRA</b>	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 2023 in Civil Engineering (see Annexure - I).
- B. IITs (Others), Top 25 NIRF Top 2023 (Apart from the institutions covered in category A., see Annexure - II).
- C. All other CFTI's and Central Universities.
- D. All other institutes.

Note:

§ GATE score is waived off for graduates of CFTI's with the B.Tech./ B.E./ Integrated M.Tech., subjected to a minimum CGPA of 8.0.

^ Candidates with M.Sc. with a valid GATE Score  $\geq 700$  / UGC(NET)-JRF / CSIR-JRF are eligible for admission to Environmental Engineering section only. For candidates with M.Sc. from IITs with CGPA of 8.00 or above, requirement of qualification in GATE/National Exam is waived off.

Interviews of shortlisted candidates will be held online on **14<sup>th</sup> to 16<sup>th</sup> May 2024**. A detailed schedule will be decided after completing the shortlisting.

## 2. Ph.D. (Part Time/Sponsored – Full Time)

RESEARCH AREA	PART TIME				SPONSORED - FULL TIME			
	GEN/EWS/OBC		SC/ST/PwD		GEN/EWS/OBC		SC/ST/PwD	
	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	As per Institute Criteria	As per Institute Criteria	As per Institute Criteria	As per Institute Criteria	As per Institute Criteria	As per Institute Criteria	As per Institute Criteria	As per Institute Criteria
ENV	>=8.00 OR 80.00%	As per Institute Criteria	>=7.50 OR 75.00%	As per Institute Criteria	For M.Tech. >=8.00 OR 80.00% For M.Sc. * (Read the Note)	As per Institute Criteria	For M.Tech. >=7.50 OR 75.00% 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  $\geq 8.5$  or 85% marks with a valid GATE Score  $\geq 700$  for GEN/EWS/OBC and a valid GATE Score  $\geq 600$  for SC/ST/PH **OR** 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 requirement of qualification in GATE/National Exam is waived off.

Interviews of shortlisted candidates will be held online on **14<sup>th</sup> to 16<sup>th</sup> May 2024**. A detailed schedule will be decided after completing the shortlisting.

# Annexure I

## QS Rankings 2023, Engineering – Civil & Structural (Top 100 Institutions)

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

35. Universitat Politècnica de Catalunya · BarcelonaTech (UPC)
36. KAIST - Korea Advanced Institute of Science & Technology
37. Shanghai Jiao Tong University
38. Pontificia Universidad Católica de Chile (UC)
39. Universidad Politécnica de Madrid (UPM)
40. Technical University of Denmark
41. Technical University of Munich
42. UCL
43. The University of Manchester
44. KTH Royal Institute of Technology
45. The University of Auckland
46. The University of Queensland
47. Universidade de São Paulo
48. King Fahd University of Petroleum & Minerals
49. University of Leeds
50. Universidad Nacional Autónoma de México (UNAM)
51. Alma Mater Studiorum - University of Bologna
52. Carnegie Mellon University
53. Columbia University
54. Cornell University
55. Curtin University
56. Ecole des Ponts ParisTech
57. Hanyang University
58. Harbin Institute of Technology
59. Indian Institute of Technology Bombay (IITB)
60. Indian Institute of Technology Delhi (IITD)
61. Indian Institute of Technology Kharagpur (IIT-KGP)
62. Indian Institute of Technology Madras (IITM)
63. Istanbul Technical University
64. King Abdulaziz University (KAU)
65. Korea University
66. KU Leuven
67. Kyoto University
68. McGill University
69. National Taiwan University (NTU)
70. National Technical University of Athens
71. Newcastle University
72. Northwestern University

73. Norwegian University of Science And Technology
74. Pennsylvania State University
75. Princeton University
76. RMIT University
77. RWTH Aachen University
78. Sapienza University of Rome
79. Technische Universität Berlin (TU Berlin)
80. The University of Adelaide
81. The University of Edinburgh
82. The University of Sheffield
83. The University of Western Australia
84. Tokyo Institute of Technology (Tokyo Tech)
85. Universidad de los Andes
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 Naples - Federico II
94. University of Nottingham
95. University of Porto
96. University of Southampton
97. University of Technology Sydney
98. University of Washington
99. University of Waterloo
100. Yonsei University
101. Zhejiang University

## Annexure II

### NIRF India Rankings 2023: Engineering (Top 25)

#### Institutions

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 Roorkee
6. Indian Institute of Technology Kharagpur
7. Indian Institute of Technology Guwahati
8. Indian Institute of Technology Hyderabad
9. National Institute of Technology Tiruchirappalli
10. Jadavpur University
11. Vellore Institute of Technology
12. National Institute of Technology Karnataka, Surathkal
13. Anna University
14. Indian Institute of Technology Indore
15. Indian Institute of Technology (Banaras Hindu University) Varanasi
16. National Institute of Technology Rourkela
17. Indian Institute of Technology (Indian School of Mines)
18. Indian Institute of Technology Gandhinagar
19. Amrita Vishwa Vidyapeetham
20. Thapar Institute of Engineering and Technology (Deemed-to-be-university)
21. National Institute of Technology Warangal
22. Indian Institute of Technology Ropar
23. National Institute of Technology Calicut
24. Institute of Chemical Technology
25. Birla Institute of Technology & Science -Pilani