

**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
DEPARTMENT OF CIVIL ENGINEERING**

Sub: Selection Process for the Admission to Ph.D. Programme, Civil Engineering Department, IIT Bombay for 2024-25 (Spring Semester)

Dear Candidate,

Congratulations on getting shortlisted for the interview for possible admission to the Ph.D. program in the Department of Civil Engineering of IIT Bombay. This letter is to be read in conjunction with the call letter that you received from the Academic Office, IIT Bombay.

Date of Interview: 29th and 30th November 2024

Reporting Date and Time for interview: 29th November 2024 at 9:00 hrs

Venue: Department of Civil Engineering, IIT Bombay, Powai, Mumbai – 400076.

Specialization	Mode of Interview
CE1- Transportation Systems Engineering	In-person (Physical)
CE2- Geotechnical Engineering	In-person (Physical)
CE3- Water Resources Engineering	In-person (Physical)
CE4- Structural Engineering	In-person (Physical)
CE5- Ocean Engineering	In-person (Physical)
CE6- Remote Sensing	In-person (Physical)
CE7- Construction Technology and Management	In-person (Physical)

Note: A candidate can appear for only **ONE** specialization in the order of their preference given in the application.

The details of the PhD interviews will be displayed on the websites of the [Academic Office of IIT Bombay](#) and that of the [Department of Civil Engineering, IIT Bombay](#). Also, note that there are [Overall 5 vacancies for Teaching Assistantship category for Ph.D. Programme 2024-25 \(as on 30.08.2024\)](#) in this round of admission. However, under non-TA categories, more number of candidates may be considered for admission (up to three, as of now), if found suitable by the selection committee during the interview, as per norms. The list of topics floated under non-TA (i.e. TAP category where the fellowship comes from the sponsored project) is given in the Table 1 below.

Please ensure to visit www.civil.iitb.ac.in frequently for all updates regarding the details of the interview. In case of urgency, please contact Mr. Paras / Mr. Sandeep/ Mr. Sanjay; Phone: 022-25767301/ 25767303/ 25763690; Mobile: 8898249343 (Mr. Paras); Mobile:7415977668 (Mr. Sandeep); Mobile: 9820157595 (Mr. Sanjay); email: office@civil.iitb.ac.in

The selection will be based on the performance in the interview. During the interview, in addition to the technical knowledge on the subject, research aptitude, and communication skills may also be tested. The decision of the committee is final and cannot be changed under any circumstances.

The candidates are advised to refer to the research activities of the Civil Engg. Department faculty members at <https://www.civil.iitb.ac.in/people/faculty> before appearing for the interview. Candidates are also encouraged to contact prospective research supervisors (through

email) well before the interview to understand their requirements and expectations.

Candidates shall prepare a research proposal for the opted specialization (in the order of preference) with research topics and may present the same at the time of the interview. Each research proposal should be written in about 500-1000 words highlighting the research need, proposed methodology, design of model/experiment, expected contributions, and a few key references.

Wish you all the best

***Prof. Tom V. Mathew,
Institute Chair Professor & Head, Department of Civil Engineering,
IIT Bombay, Powai, Mumbai 400076, India. 7th November 2024***

No.	Project Title	PI of the Project
1	An Efficient Corrosion Modelling Framework for Thin-Walled Structures (CORROSELL)	Prof. Tushar Kanti Mandal
2	Utilization of Landfill Biomined Materials	Prof. D. N. Singh
3	NetZero through Carbon Capture Utilization and Storage.	Prof. D. N. Singh
4	Investigations on tandem arrangement of low-crested structures to enhance coastal resilience.	Prof. Srineash V K
5	Development of Road Traffic Monitoring and Control Systems using Drones	Prof. Tom V. Mathew and Prof. Nagendra Velaga
6	Commuter-Centric Mobile Application for Public Electric Bicycle Sharing System (CC-MAP)	Prof. Avijit Maji
7	Safety Assessment and Rating System for Drivers and Workers	Prof. Avijit Maji
8	Cognitive Workload Assessment and Rating System (CogWAR Sys) for freight vehicle drivers and warehouse workers	Prof. Avijit Maji
9	Geopolymers as Alternative Cementitious Materials in Cement Concrete Pavement	Prof. Solomon Debbarma