

Gujarat Technological University, Ahmedabad
&
National Institute of Technical Teachers' Training and Research, Bhopal

EVENT REPORT

One-Week Short-Term Training Programme (STTP) on
“Recent Advances in Wind and Earthquake Resistant Design of Structures”

Programme Code: GUJ-21 | Duration: 20–24 July 2026

Venue: Gujarat Extension Centre, NITTTRB, Ahmedabad

Jointly Organized by

GTU – School of Engineering and Technology, Chandkheda

&

Gujarat Ext. Centre, NITTTR Bhopal

1. About the Programme

This one-week Short-Term Training Programme (STTP) on “**Recent Advances in Wind and Earthquake Resistant Design of Structures**” (Programme Code: GUJ-21) was jointly organized by GTU – School of Engineering and Technology (GTU-SET), Chandkheda, Ahmedabad and the Gujarat Extension Centre, National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal, from 20th to 24th July 2026 at the Gujarat Extension Centre, NITTTRB, Ahmedabad.

The programme was designed to expose faculty members of Civil Engineering and allied branches to recent developments in wind and seismic analysis, relevant IS codal provisions, performance-based design philosophy, and advanced computational tools for wind and earthquake resistant structural design, thereby helping bridge the gap between research and professional practice.

2. Organizing Committee

Chief Patron	Prof. (Dr.) Rajul Gajjar – Vice Chancellor, GTU, Ahmedabad Prof. C. C. Tripathi – Director, NITTTR Bhopal
Patron	Dr. K. N. Kher – Registrar, GTU, Ahmedabad Prof. Sanjay Agrawal – Dean Academic Affairs, NITTTR Bhopal
Convener	Dr. Madhuri Bhavsar – Director, GTU-SET
Coordinator	Dr. Nishith Dubey – Professor & Coordinator, Gujarat Ext. Centre, NITTTRB Dr. A. K. Jain – Professor & Coordinator, NITTTR Bhopal Dr. Jignesh A. Amin – Professor & Coordinator, GTU-SET
Co-Coordinator	Prof. Mridul Seth – Assistant Professor & Co-Coordinator, Dept. of Civil Engineering, GTU-SET Prof. Rasik Makwana – Assistant Professor & Co-Coordinator, Dept. of Civil Engineering, GTU-SET Dr. K. M. Gondaliya – OSD - Assistant Professor & Co-Coordinator, Dept. of Civil Engineering, GTU-SET

3. Inaugural Function – 20th July 2026

The programme commenced on 20th July 2026 with the registration of participants, followed by the formal inaugural function. Prof. Mridul Seth extended a warm welcome to the dignitaries, resource persons, and participants and set the tone for the week-long programme.

Dr. Jignesh A. Amin, Professor and Coordinator, GTU-SET, addressed the gathering and briefed the participants on the objectives, structure, and expected outcomes of the STTP.

Dr. C. S. Sanghavi, Professor, L. D. College of Engineering, Ahmedabad, the esteemed Guest of Honour for the inaugural session, shared valuable insights with the participants and formally set the technical tone of the programme, subsequently delivering the first technical talk of the day on “Importance of Experiments in Dynamics, Codal Provisions and Assessments.”

The inaugural function concluded with a formal vote of thanks proposed by Prof. Rasik Makwana, expressing gratitude to the Chief Patrons, Patrons, resource persons, and participants for their presence and support.

4. Technical Sessions – Day-wise Summary

Over the course of the week, eminent academicians, researchers, and industry experts delivered technical sessions covering wind-induced structural failures, seismic and wind load estimation as per IS codes, high performance concrete, remedial and retrofitting engineering, vibration control devices, structural software integration, and passive damper systems for seismic protection. Each day also included a hands-on task/activity session for participants. The day-wise summary is presented below.

Date	Session-I (10:00–11:30)	Session-II (11:45–1:15)	Session-III (2:15–3:45)	Session-IV (4:00–5:30)
20 July 2026	Registration, Inauguration & Programme Brief	Importance of Experiments in Dynamics, Codal Provisions and Assessments – Dr. C. S. Sanghavi, Professor, LDCE, Ahmedabad	High Performance Concrete – Dr. C. D. Modhera, Professor (HAG), S. V. NIT, Surat	Task-1 (Participant Activity)
21 July 2026	AI & ML-Enabled Digital Twins in Civil (Structural Engineering) – Prof. Rasikkumar V. Makwana, Assistant Prof., GTU-SET.	Advances in Wind and Seismic Load Estimation as per IS Codes – Dr. Jignesh A. Amin, Professor, GTU-SET	Recent Advances in Remedial Engineering – Some Case Studies – Dr. Kaizaad Engineer, Technical Director, Ushta Infinity Construction Co. Pvt. Ltd.	Task-2 (Participant Activity)
22 July 2026	Earthquake Response of Inelastic Systems – Dr. D. P. Soni, Professor, SVIT, Vasad	Vibration Control of Structures using Energy Dissipation Devices – Dr. Snehal V. Mevada	MATLAB for Numerical Solutions in Structural Engineering – Prof. Mridul Seth, Assistant Prof., GTU-SET	Task-3 (Participant Activity)
23 July 2026	OAPI Features of Structural Engineering Software – Dr. Kaushik M. Gondaliya, Assistant Professor, GTU-SET	Field/Industrial Visit *	Field/Industrial Visit *	Task-4 (Participant Activity)
24 July 2026	Innovation in Tunnel Engineering: Design Strategies & Post-Tunnelling Subsurface Solutions – Dr. Atul K. Desai, Professor (HAG), SVNIT, Surat.	Characterization, Development and Implementation of Passive Damper for Seismic Protection of Buildings – Dr. Sharad Purohit, Professor, Civil Engineering Department, Institute of Technology, Nirma University, Ahmedabad	Session by NITTTR, Bhopal*	Achievement Test & Valedictory Function

The response from participants throughout the technical sessions was overwhelmingly positive, and the depth and practical orientation of the sessions delivered by the resource persons were well appreciated by all attendees.

5. Field Visit

Field Visit – Cancelled

A field visit to the Indian Seismology Centre, Ahmedabad (near PDEU) was originally scheduled for 23rd July 2026 as part of the programme. However, due to heavy and continuous rainfall on that day, the visit had to be cancelled at the last moment in the interest of participants' safety and logistical feasibility.

6. Special Online Session

Online Participation due to Weather Conditions

Dr. Atul K. Desai, Professor(HAG), SVNIT, Surat and Dr. Sharad Purohit, Professor, Civil Engineering Department, Institute of Technology, Nirma University, Ahmedabad was scheduled to deliver an in-person lecture on 24th July 2026 but was unable to travel to Ahmedabad on account of heavy rainfall in Surat. To ensure participants did not miss out on his expertise, They graciously delivered his lecture online on the same day, and the session was well received by all participants.

7. Valedictory Function – 24th July 2026

The valedictory function was held on 24th July 2026 during Session-IV. An Achievement Test comprising 25 basic-level Multiple Choice Questions (2 marks each) was conducted online to assess and summarize the learning outcomes of the participants over the course of the week.

The valedictory session concluded with an overview of the achievement test results, felicitation of participants, and closing remarks by the organizing committee, marking the successful culmination of the one-week STTP.

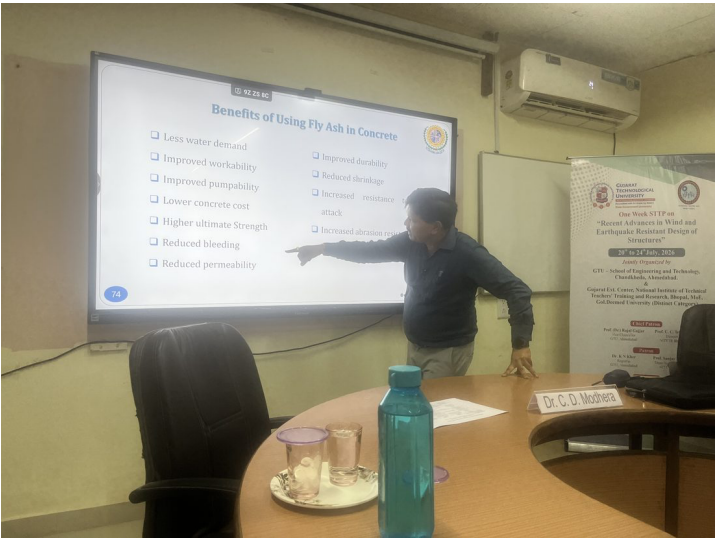
8. Concluding Remarks

The one-week STTP on “Recent Advances in Wind and Earthquake Resistant Design of Structures” was successfully conducted with active participation and engagement from faculty members of Civil Engineering and allied branches. The diverse range of expert lectures, hands-on tasks, and the achievement test contributed to a well-rounded learning experience. All participants expressed satisfaction with the quality of content and organization of the programme, and the organizing team extends its sincere gratitude to the Chief Patrons, Patrons, Convener, Coordinators, Co-Coordinators, resource persons, and participants for making the programme a success.

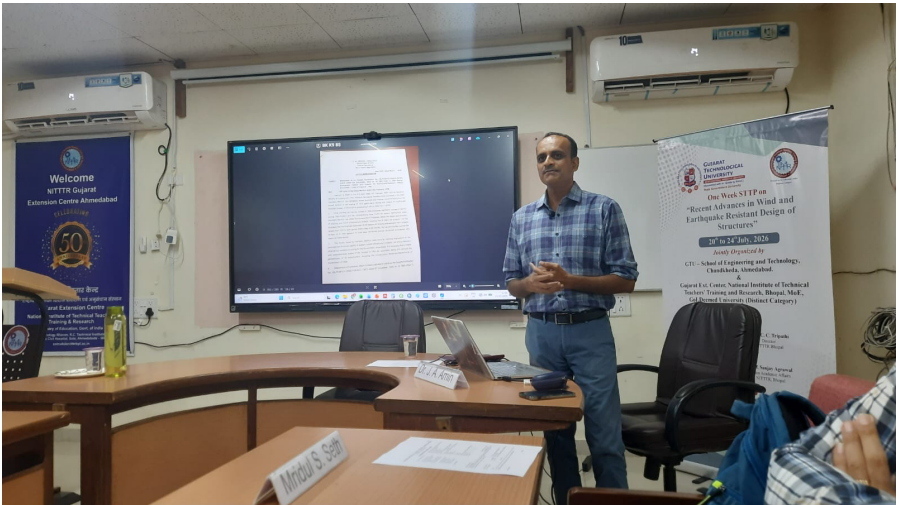
9. Glimpses of the Event



Dignitaries on the dais during the Inaugural Function of the STTP on 20th July 2026



Dr. C. D. Modhera delivering the technical session on "High Performance Concrete"



Dr. J. A. Amin delivering the technical session on "Advances in Wind and Seismic load estimation as per IS Code"



Session on "Importance of Experiments in Earthquake Engineering" in progress



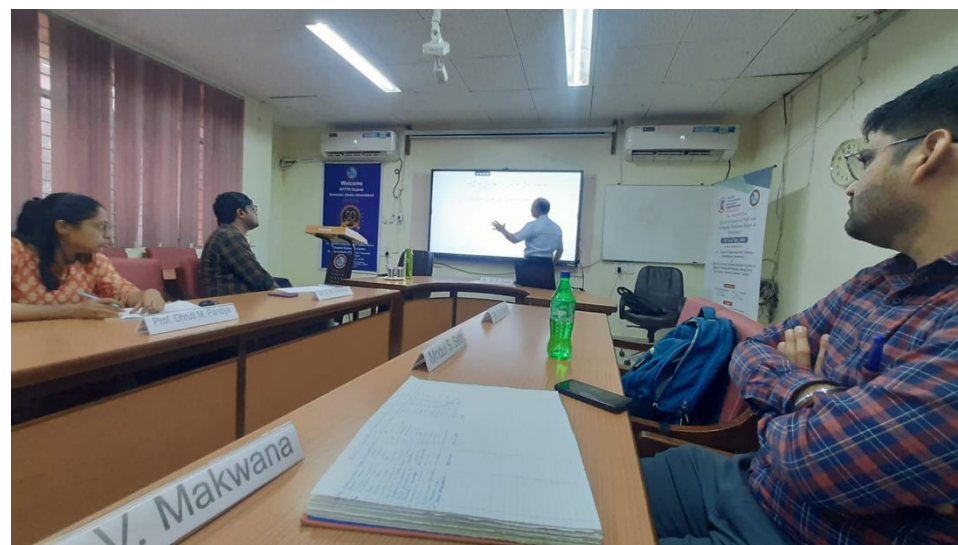
Participants and organizing team members during the technical sessions



Dr. S. V. Mevada presenting on "Vibration Control of Structures using Every Dissipation Devices"



Dr. Kaushik M. Gondaliya presenting on "OAPI Features of Structural Engineering Software"



A technical session in progress with active participation from faculty members