



TEQIP-3  
Technical Education Quality Improvement Programme



# Recent Advances in Civil Engineering

TEQIP-III Sponsored One Week Online Faculty Development Programme

Jointly organized by

Civil and Environmental Engineering Department,  
Veermata Jijabai Technological Institute (VJTI), Matunga Mumbai, (Mentor Institute)  
(An Autonomous Institute, Owned by Government of Maharashtra)

and

Civil Engineering Department,  
Engineering College Ajmer, Ajmer Rajasthan  
(An Autonomous Institution of Government of Rajasthan)

From 2<sup>nd</sup> June to 7<sup>th</sup> June, 2020

Under Twinning Activity

Programme will be conducted online using Cisco Webex/  
GoToMeeting platform. (Registration Fee—NIL)

## Patrons

**Dr. Dhiren R. Patel,**  
Director, VJTI Mumbai

**Dr. U. S. Modani**  
Principal, Engg. College Ajmer

## Advisory Committee:

### VJTI, Mumbai

Dr. S.G. Bhirud – Deputy Director and Registrar  
Dr. K.K. Sangle – Dean (Academics)  
Dr. S. P. Borkar – Dean Administration  
Dr. R. D. Daruwala – Dean (Student Affairs)  
Dr. Faruk Kazi – Dean (R & D and Consultancy)  
Dr. M. A. Chakrabarti - Dean (Infra & Maintenance)  
Dr. R. N. Awale – (TEQIP Co-ordinator)  
Dr. Sumedh Y. Mhaske – HOD (Civil & Env. Engg. Deptt.)  
Dr. Prashant P. Bhave – Departmental TEQIP Co-ordinator, (Civil & Env. Engg. Deptt.)  
**Engineering College, Ajmer**  
Dr. Ganpat Singh—HOD, Civil Engg. Deptt.  
Dr. H. S. Mewara —TEQIP Coordinator  
Mrs. Jyoti Gajrani—Twinning Coordinator  
Mr. V. K. Verma— Twinning Coordinator

## Organizing Committee:

### VJTI, Mumbai

Dr. A.S. Wayal  
Mr. P.S. Chaudhari  
Mr. S. U. Sayyad  
Mrs. V. S. Bhangale  
Mrs. A.P. Gorkar  
Mr. C.R. Bhole  
Mrs. S.A. Sagole  
**Engineering College, Ajmer**  
Mr. Vishal Srivastava  
Mr. Mahesh Manwani  
Dr. Sankalp (NPIU)  
Ms. Vishnu P. Choudhary (NPIU)  
Mr. Nishant S. Kushwaha (NPIU)  
Mr. Pravesh Saini (NPIU)  
Mr. Dharmendra S. Dhaka (NPIU)  
Mr. Naveen Choudhary (NPIU)  
Mr. Shivam Chouhan (NPIU)  
Mr. Anurag K. Singh (NPIU)

## About VJTI:

The Veermata Jijabai Technological Institute was established in 1887. Since the time of inception, VJTI has been playing a very vital role in producing quality engineers, introducing new programmes, and electives in emerging areas. The institute was granted financial and academic autonomy from June 21, 2004. The institute is reputed for excellent training in Engineering and Technology at Diploma, Degree, Post Graduate levels and Research. Presently VJTI offers B.Tech programmes in nine core disciplines of engineering, 17 M. Tech programmes, M.C.A and PhD programmes in various engineering disciplines. VJTI is acting as a mentor institute for Engineering College Ajmer, Ajmer Rajasthan under TEQIP-III twinning activity.



## About Engineering College Ajmer:



Engineering College Ajmer was established in year 1997 with a view to provide learning facilities to boys & girls, deserving and desiring, and to produce engineers of highest ability who will become trend-setters in the profession. The institution is successfully moving forward with increased student strength, brilliant faculty members and efficient staff members. The institute has its own sprawling Wi-Fi campus, most modernized and ever growing other infrastructure facilities. Our aim is balanced development of students' personality got concrete expression in the form of participation of students in activities, organized under various forums like Creative Art Society, Sports Club, NSS, NCC for their physical, mental, aesthetical, ethical and intellectual development.

## Program Co-ordinators

**Dr. Vikas. B. Varekar**  
Assistant Professor,  
Civil and Environmental Engineering Department,  
Veermata Jijabai Technological Institute (VJTI), Mumbai  
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Phone No.: 022-24198137, 9082684705,  
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Assistant Professor (NPIU),  
Civil Engineering Department,  
Engineering College Ajmer, Rajasthan  
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## Registration QR Code:



## About Faculty Development Programme:

Civil Engineering and its allied disciplines address the issues related to societal concerns and contribute significantly to infrastructure development. Rapid urbanization and growing demands of public for necessary services like water, building infrastructure, transportation, public and industrial sanitation services has posed challenge to Civil Engineers. In context to the development of cities with all modern amenities with due consideration of sustainability, the awareness of latest technological advances is highly significant. This faculty development programme aims at addressing areas like (but not limited to) Construction management, Structural engineering, Sustainable construction materials and techniques, Water resources, Transportation infrastructure, Rehabilitation and Restoration of heritage structures, Submarine and Offshore structures, Plumbing and Piping engineering, water and wastewater engineering, Solid waste management, Air pollution, Technological advances in areas of Smart materials, Energy efficiency, Software applications in design for construction/structural engineering, Application of RS, GIS and GPS techniques in planning of civil engineering projects and Soft computing tools. The principal objective of this training programme is to provide an opportunity to policy makers, academicians, and researchers to share their experiences and knowledge by presentation of fundamental/applied scientific advances made in the domain of civil engineering.

## FDP Objectives:

- To understand the existing challenges in the civil engineering.
- To create an awareness of the advanced innovative tools used for various specializations of civil engineering.
- To explore the possible future scope of research in the domain of civil engineering.
- To facilitate the up-gradation of quality of technical education, knowledge, and research activities.

## Registration Details:

**Eligibility norms for participants:** Faculty members and post-graduate students from academic institutes approved by AICTE and MSBTE. Also, field engineers/practitioners from government/private sectors.

**Registration Fee:** NIL

**Registration Link:**

<https://forms.gle/bzpe99q7kgb2op3E7>

Note: Limited numbers of registrations are available. It is based on first come first serve basis.

In order to enhance the learning from the course, participants are requested to be fully committed to this course: it will be demanding. E-certificates will be issued to participants after successful completion of the faculty development programme.

FDP will be conducted in online mode using **Cisco Webex/GoToMeeting platform**, Meeting link/ID will be shared in **WhatsApp Group**. WhatsApp Group invitation link will be emailed to all participants.

## Our Galaxy of Resource Persons

Our Resource Person Galaxy includes renowned persons from IIT/NIT, VJTI, ECA, State Government Institutions, research organizations, and Industries working in this field.



**Prof. Deepankar Choudhury,**  
Institute Chair Professor  
Department of Civil Engineering,  
Indian Institute of Technology Bombay.



**Dr. P. P. Bhawe,**  
Associate Professor,  
Civil & Env. Engg. Deptt.,  
VJTI, Mumbai.



**Dr. G. R. Munavalli,**  
Associate Professor,  
Civil Engineering Department,  
Walchand College of Engineering,  
Sangli, Maharashtra.



**Er. Ajit Khandeshe,**  
Managing Director,  
KWAN, Environmental Solutions Pvt.  
Ltd., Mumbai.



**Dr. Pradip Kalbar,**  
Assistant Professor,  
Centre for Urban Science and Engg,  
Indian Institute of Technology Bombay



**Dr. Chaaruchandra Korde,**  
Director,  
Green Bam Infra Tech Pvt. Ltd.,  
New Delhi.



**Dr. A. S. Wayal,**  
Associate Professor,  
Civil & Env. Engg. Deptt.,  
VJTI, Mumbai.



**Dr. Ritesh Vijay,**  
Principal Scientist & Incharge,  
Mumbai Zonal Centre,  
CSIR-(NEERI), Government of India.



**Er. Juju Mathew,**  
Senior Consultant,  
SVP-Subsea Business India.



**Dr. Ganpat Singh,**  
Assistant Professor  
Department of Civil Engineering,  
Engineering College Ajmer.



**Ar. Sangeeta Bais,**  
Director,  
Dharohar, Architectural Firm,  
New Delhi, India.



**Dr. Sachin Kadam,**  
Assistant Professor,  
Deptt. Applied Mechanics,  
Walchand College of Engineering,  
Sangli, Maharashtra.



**Dr. Dilip G. Durbude,**  
Associate Professor,  
Water And Land Management Institute  
(WALMI),  
Government of Maharashtra,



**Dr. Sankalp,**  
Assistant Professor  
Deptt. of Civil Engg.,  
Engineering College  
Ajmer.



**Dr. Vishal Thombare,**  
Assistant Engineer,  
BMC, Mumbai.



**Dr. Vikas B. Varekar,**  
Assistant Professor,  
Civil & Env. Engg. Deptt.,  
VJTI, Mumbai.