

## Online Registration Link

<https://go.sigma.ac.in/aic>

Scan to Register



ISTE members will be given preference.

The detailed schedule will be intimated through mail to all registered participants.

Feel free to contact coordinator for any query.

### Registration Important Dates:

Last Date for Registration	4 <sup>th</sup> March 2022
Intimation to Participants	5 <sup>th</sup> March 2022
Date of Program	7 <sup>th</sup> to 12 <sup>th</sup> March 2022
Test Schedule	12 <sup>th</sup> March 2022 (3:00 pm)

### Guidelines:

- Program will be **online** on **ZOOM** platform.
- **No Registration Fees.**
- The certificates will be issued to those participants who will attend the program with **minimum 80% attendance** and scored **minimum 60% of marks** in test.
- **Certificate** will be jointly issued by **AICTE & ISTE.**

## Organizing Committee

### Chief Patrons

**Dr. Anil Sahasrabudhe**

*Chairman, AICTE New Delhi*

**Dr. Pratapsinh Desai**

*President, ISTE New Delhi*

### Patrons

**Dr. Sachin Parikh**

*Chairman, ISTE Gujarat Section*

**Shri Shaileshbhai Shah**

*Founder & Chairman (Emeritus)*

*Sigma Group of Institutes*

**Dr. Harsh Shah**

*Chairman*

*Sigma Group of Institutes*

**Dr. Jigar V. Patel**

*Managing Director*

*Sigma Group of Institutes*

**Smt. Jyotsnaben Shah**

*Mentor & Principal Advisor*

*Sigma Group of Institutes*

**Dr. Shreya Shah**

*Managing Trustee*

*Sigma Group of Institutes*

**Dr. Priyesh P. Gandhi**

*Principal*

*Sigma Institute of Engineering*

### ISTE Advisor Committee - Gujarat Section

*EC Members, ISTE, New Delhi*

**Dr. Jayesh A. Shah**

**Prof. Kalpesh M. Bhavsar**

**Dr. Kirit M. Makwana**

**Dr. Sanjaykumar K. Dave**

**Dr. Rakesh D. Patel**

*Hon. Secretary cum Treasurer*

**Dr. Bhasker V. Bhatt** (*ISTE Gujarat Section*)

*SMC Members, ISTE Gujarat Section*

**Prof. Hardik V. Bhatt**

**Er. Vishal Bhavsar**

**Prof. Alefiya I. Kachwala**

**Dr. Ashutosh K. Patel**

**Prof. Shilpa Kathad Khuman**

### Convener

**Dr. Krunal Patel**

*Head of Department*

*Department of Civil Engineering*

### Co-Ordinator

**Prof. Adil Haji**

*Assistant Professor*

*Mo. No. 9879724324*

**Prof. Vikrant Prajapati**

*Assistant Professor*

*Mo. No.9825213355*

### Organizing Committee

**Prof. Maulik Kansagra**

**Prof. Jasmini Khatri**

**Prof. Darshak Chauhan**

**Prof. Vrajesh Patel**



## AICTE-ISTE Sponsored Induction/Refresher Program on Advancement in Civil Engineering

7<sup>th</sup> March 2022 to 12<sup>th</sup> March 2022



### Organized By

Department of Civil Engineering

**Sigma Institute of Engineering**

Ajwa-Nimeta Road, Vadodara, Gujarat – 390019, India

Tel.: +91-2668-267024, +91-7567305054

Website: [www.sigma.ac.in](http://www.sigma.ac.in)

### Sponsored By

All India Council for Technical Education (AICTE) and  
Indian Society for Technical Education (ISTE)



## About The Program

All humans benefit from civil engineering. You can thank civil engineers every time you enter your house or use any electrical device, turn on a tap, take public transportation, or drive on a road. The Civil engineers are responsible for the buildings, structures, and major public works projects that make modern life possible. This Refresher Course/Induction Course is designed keeping in view the fast-changing technology and rapid advancement in construction materials, methodology and supervision. The refresher programme is focused on latest techniques and advancements on subjects like Self-healing Concrete, Design Methodology of structures, heavy structure design, Kinetic Roads, 3D Modelling, Modular Construction, Building Information modelling Improved energy efficiency, Improved materials for longer lifespan and more efficient construction. Modern Civil engineering techniques & Methods have the potential to improve productivity and modernize the civil engineering sector. With given ideas, the topics have been selected to familiarize the faculties of Polytechnics and Engineering Colleges to whip their imagination and instigate appetite to learn newer and better construction methodologies.

## About AICTE

Established as a national-level Apex Advisory Body in the year 1945, and later on given statutory authority in 1987 by an Act of Parliament, All India Council for Technical Education (AICTE) is vested with statutory authority for planning, formulation and maintenance of norms and standards, quality assurance through school accreditation, funding in priority areas, monitoring and evaluation, maintaining parity of certification and awards and ensuring coordinated

and integrated development and management of technical education in the country.

## About ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. Being the only national organization of educators in the field of Engineering and Technology, ISTE effectively contributes to various missions of the Union Government. The strength of ISTE is the strong base it has in technical education institutions in the country.

## About Institute

The Sigma Group is active in the academic field for more than a decade now and has made its mark not only in & around Vadodara city but also in the whole of India. The outstanding feature of this group is its spread-it conduct courses from KG to PG. The Sigma Group is committed to the total & all-round development of its students. It has now become the preferred place for education for both the parents & the students. The Sigma Institute of Engineering offers Diploma Engineering in Mechanical, Electrical, Civil, Computer, Information Technology, Automobile and Chemical; Undergraduate courses in Mechanical, Electrical, Civil, Computer, Information Technology, Electronic & Communication and Chemical; Post Graduate courses in Computer Engineering, Electrical Engineering, Thermal Engineering and MBA. With Slogan of "Knowledge is Power", the Institute aims to educate and train students in various discipline of Engineering.

## About the Department

The Department of Civil Engineering established in 2010 with intake of 60 students. The mission of the

department is to develop highly competent professionals, preparing them for entry-level positions in civil engineering, further study in graduate school, life-long learning, and societal leadership. The Department provides a dynamic learning environment that emphasizes open-ended design, problem-solving skills, teamwork, communication, and leadership skills.

## Resource Persons

*All the resource persons are from renowned academic institutions spread across India and working professionals with significant experience.*

## List of Major Topics

- National Education Policy-2020
- Techno Economic Development of Canal Base Hydro Power Plants
- Energy Efficient Integrated Power System
- Opportunity to Attain Sustainability Through Environmental Engineering
- Integrated Force Method - Novel Advanced Numerical Method – Structural Engineering
- Advances in Fluid Mechanics and Hydraulics
- Seven Habits of Highly Effective People
- Advanced Statistical Approaches for Rainfall Time Series Analysis
- Environment - Health & Safety
- Contract Administration
- Disputes in Construction Contracts
- Application of Blockchain in Civil Engineering
- Remote Sensing Image Interpretation and Analysis

## Who Should Attend?

Academicians and Industry Professionals from AICTE recognized institutes and people from renowned Industries looking to expand their knowledge in the field of Civil Engineering.