

**AICTE-ISTE Sponsored
6 days Faculty Development Program (FDP)
on**

New Trends in Concrete Technology

(NTCT-2022)

30/12/2021 to 05/01/2022

Organized By:

**Department of Civil Engineering
Sankalchand Patel College of Engineering,
Sankalchand Patel University, Visnagar-384315,
Gujarat(India)**



ABOUT UNIVERSITY

Nootan Sarva Vidyalaya Kelavani Mandal (NSVKM) was established in 1952, by Shri. Sankalchand Patel, a freedom fighter and a social entrepreneur. The aim was always to create a value based diversified education system for the students of North Gujarat.

The Sankalchand Patel University was established on 9th May 2016 vide Gujarat Private Universities (Amendment) Act, 2016 and is spread across 84 acres of land. Today, the university is home to various institutes offering Medical, Paramedical, Technical, & Science Courses. The university also houses some of the most state-of-the-art infrastructure in North Gujarat.

ABOUT INSTITUTE

Sankalchand Patel College of Engineering Established in 1999 by Nootan Sarva Vidhyalay Kelvani Mandal - VISNAGAR with an aim of producing world class professionals in the specialized fields of Engineering, Management and MCA. SPCE is affiliated to Sankalchand Patel University, Visnagar and approved by all India Council for technical Education AICTE (New Delhi)

Adequate infrastructure facilities and equal opportunities to excel backed by sound inspiration and incessant motivations are the conspicuous qualities of our vidhyadham. Since we are aware of the fact that creation of talented computer and management professionals with sharp vision and glossy brain cells capable of satisfying the needs of the industry, demands that the educational complex should be far from the din and disorder of market life. The location of the Vidhyadham itself is the justification of this fact.

Our Trust has the experience of the education field of 65 years at its disposal and it is fully equipped with all infrastructure and computer facilities. Almost 66 acres of land has been acquired to construct various buildings for various institutions. The vidhyadham is situated near Gandhinagar-Ambaji link road in VISNAGAR and surrounded by Natural surrounding in the lap of nature.

ABOUT DEPARTMENT

Civil Engineering Department was established in 2008 offering Under Graduate, Post Graduate and Doctoral programs. The program offers various opportunities to explore the infrastructural development, Construction Management and structural knowledge. We always stressed to make students an excellent in the field of civil engineering and serve to society by their technical expertise.

The department has designed different activities which provide a multitude of a platform for students to enhance their technical and industrial skills.



EXPERTS



Dr. J M Chandra Kishen

Professor, Dept. of Civil Engg.,
Indian Institute of Science Bangalore

Advanced Concrete Health Monitoring



Dr. Sudhir Kumar V. Barai

Director, BITS Pilani

**Recycled Aggregate based Concrete:
Insightful Discussion**



Dr. C. D. Modhera

Professor, Dept. of Civil Engg.,
S.V.N.I.T., Surat

Advanced Concrete Health Monitoring



Dr. T. Hemalatha

Senior Scientist,
CSIR-Structural Engineering Research Centre,
Chennai

Micro Structural Analysis of Concrete



Mr. Shashank Shekhar

Co-Founder & CEO, MICOB

3D – Concrete Printing



Mr. Hitesh Meena

Lead, R & D
Tvasta Construction

3D Concrete Printing



Mr. Arun Sankhat

C.T.O.,
Post Tension Services India Pvt. Ltd.
**Advancements in Prestressed Concrete
Technology - An introduction to unbonded
Post-Tensioning system**



Dr. Vikram M. Patel

Professor, Dept. of Civil Engg.,
Adani Institute of Infrastructure & Engineering

**Precast Concrete Technology: A New horizon
of Construction Industry**

EXPERTS

Mr. Vivek Desai

COO-Sachi Construction co. &
Alternative Industrial Products

**Sustainable Concrete through use of Mineral
Admixture**



Dr. J. D. Rathod

Associate Professor, Applied Mechanics Dept.,
The M S University of Baroda

Concrete Mix Design as per IS: 10262:2019



Dr. Urmil Dave

Professor & Head, Dept. of Civil Engg.,
Nirma University, Ahmedabad

Sustainable Concrete



Mr. Jignesh Gandhi

General Manager,
West & South Region, Ambuja Cement. Ltd

10 golden rules for quality control concrete



Dr. Yogesh U. Shah

Assistant Professor, Civil Engineering,
Institute of Infrastructure, Technology,
Research And Management

Advances in Concrete Pavement



Dr. Santosh G. Shah

Associate Dean (R&D and Innovation)
Professor & Head, Dept. of Civil Engg.,
Sankalchand Patel College of Engineering

Smart Concrete



Dr. Abhijitsinh A. Parmar

Assistant Professor, Dept. of Civil Engg.,
Sankalchand Patel College of Engineering

Bacterial Concrete



ABOUT PROGRAM

This 06-days Faculty Development Program aims to develop and upgrade the Teaching Learning Potential of the faculty members on the recent techniques and experimental studies on Concrete Technology. The objective of the FDP is to update the recent trends & technology in concrete and to cultivate the importance of concrete mix design and its corresponding application.

KEY CONTENTS OF PROGRAM

Aim of this program is to develop professional skills in mix design of concrete as per Codal Provision and aware the faculties about recent researches in field of Concrete Technology.

- Special Concretes and admixtures
- Sustainable Materials
- 3-D Concrete Printing
- Mix design as per IS-10262:2019
- Micro-structure and durability studies
- Concrete Health Monitoring
- Repair and Rehabilitation

Eligibility

Faculty members from AICTE recognized Institutes, PG Students, Research Scholars, Practicing engineers in Civil Engineering / Structural Engineering field are eligible for participation in the program.

Registration

Registration Process will be as follows:

- Registration is free but mandatory
- Interested candidates need to fill registration form on or before 25th December 2021.
- Selection of participants will be done by organizing committee.
- Confirmation of selection will be sent via mail (28/11/2021).
- E-Certificate will be provided to each participants having at least 80% attendance and who scores minimum 60% marks in the exam (To be conducted on last day of program).

Registration Link

<https://forms.gle/X5WTBM7v3TAp2zLq5>

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President, Sankalchand Patel University

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Asst. Prof., Dept. of Civil Engg., SPCE

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