

A Report of One Day Seminar

On

Fundamentals of Concrete Technology

Date: 2nd March, 2017.

Venue: TIFAC Seminar Hall

Coordinated By

Dr. Jigar K. Sevalia

Organised by

FACULTY OF CIVIL ENGINEERING



SARVAJANIK EDUCATION SOCIETY

SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
Towards Progressive Civilization...

Dr. R. K. Desai Marg, Athwalines, Surat – 395001, Gujarat.

One day seminar was organised by Faculty of Civil Engineering on Fundamental of Concrete Technology dated 02nd March, 2017. Eminent Personalities from academics and industry namely Dr. Satish N. Desai – Associate Professor, SVNIT, Surat, Dr. Atul K. Desai – Professor, SVNIT, Surat and Er. Nilesh H. Shah – Structural Consultant, Shah Associates, Surat were being invited to reveal fundamentals of the subject Concrete Technology and to share their experiences. Many theoretical aspects and practical aspects in context of concrete properties, its behaviour under different applications, strength and quality evaluation, etc. had been surfaced which is not a part of regular curriculum. The students and many faculty members got benefitted by attending the same.



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One Day Seminar on
Fundamentals of
Concrete Technology

EMINENT SPEAKERS:

	DR. SATISH N. DESAI Associate Professor, Applied Mechanics Department, SVNIT, Surat.
	DR. ATUL K. DESAI Professor, Applied Mechanics Department, SVNIT, Surat.
	ER. NILESH H. SHAH Structural Consultant, Shah Associates, Surat.

Date: 2nd March, 2017
Time: 9:00 AM to 4:00 PM
Venue: Seminar Hall-TIFAC

DR. JIGAR SEVALIA
Professor, FCE

DR. PRATIMA PATEL
Professor & Head, FCE

DR. VAISHALI MUNGURWADI
Principal, SCET



Prof. (Dr.) Satish N. Desai emphasized on Durability of Concrete. He discussed about various case studies like Shantinath Silk Mills, Chandan Building in Mumbai and Prestressed Concrete Bridge over Thane Creek. He revealed various durability aspects like Chloride Attack, Carbonation, Alkali-Aggregate Reaction etc.

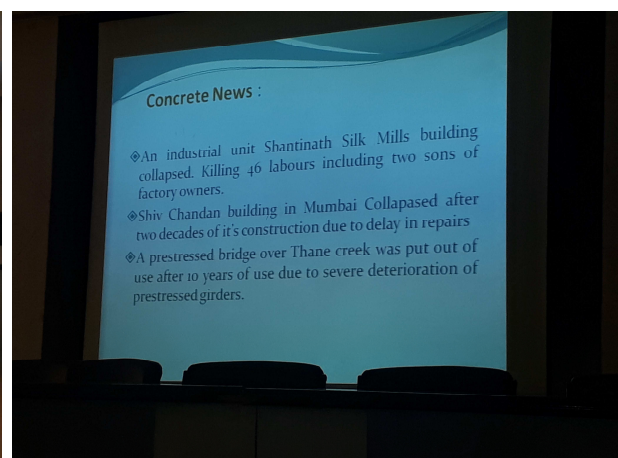


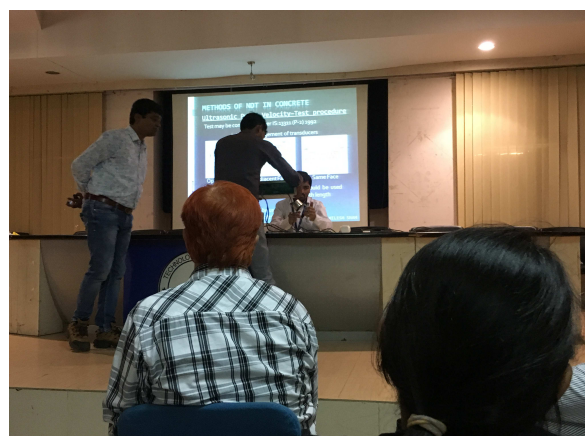
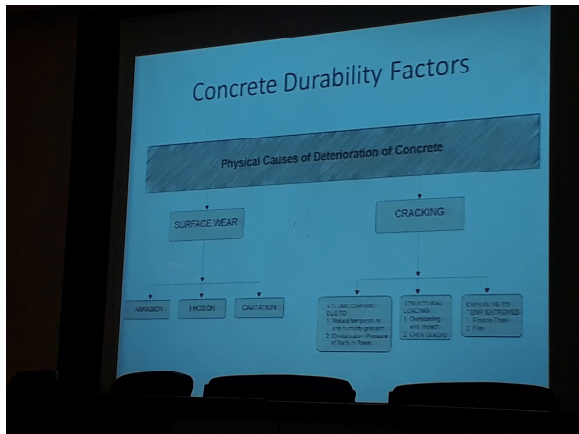
Prof. (Dr.) Atul K. Desai revealed the causes for the concrete deterioration wherein he discussed about physical causes of deterioration like Surface Wear and Cracking. Surface wear further includes Abrasion, Erosion and Cavitations. Cracking includes Volume Change, Structural Loading and Exposure to Temperature Extremities. He discussed about plastic shrinkage and plastic settlement thoroughly. He further discussed about permeability of concrete and spalling of concrete due to corrosion.



Er. Nilesh H. Shah is an eminent consulting engineer and involved with non-destructive / destructive testing on many age old structures. In this seminar, he chose to reveal the concepts of testing (NDT) performed on hardened concrete. He discussed about almost all tests performed on hardened concrete like rebound hammer test, ultrasonic pulse velocity test, pull out test, tests on cores etc. He explained practically how rebound hammer and ultrasonic pulse velocity tests can be performed with their own limitations etc.

GLIMPSES OF THE EVENT ARE AS UNDER:













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I take this opportunity to show a very humble gratitude to Prof. (Dr.) Satish N. Desai, Prof. (Dr.) Atul K. Desai and Er. Nilesh Shah for sparing their valuable time. The knowledge and experience shared by them to the students and faculty members would be definitely beneficial.

Special thanks to Principal – SCET and Honourable Management - SES for continuous motivational support and providing us with appropriate infrastructure without which this event cannot be a grand success.

Report Compilation:

Prof. (Dr.) Jigar Sevalia,
Event Coordinator &
Professor, Faculty of Civil Engineering,
SCET, Surat.