

DEPARTMENT OF CIVIL ENGINEERING

**A Report on
National Conference**


on

**MODERN AND ADVANCED DIGITAL CONSTRUCTION TECHNOLOGIES
(NCMDCT – 2021)**

Date	: 22 nd and 23 rd July 2021
Organized by	: Department of Civil Engineering
Convener	: Dr.S.P.Sangeetha , VP (Academics) Dr.R.Divahar , HoD/Civil Engg.
Co-Convener	: Dr.P.S.Aravind Raj , Associate Professor Dr.D.S.Vijayan , Assistant Professor-II
Venue	: Online – Teams app
	Inauguration: Er. S.S. Gaharwar Sr. Pr. Scientist & FMR Head, Bridge Engineering & Structures Division CSIR-Central Road Research Institute New Delhi. Dr. S. Suriya Prakash Head & Professor Department of Civil Engineering Indian Institute of Technology Hyderabad.
Chief Guest	: Department of Civil Engineering Indian Institute of Technology Hyderabad.
	Valediction: Dr S. Mohan Chair Professor Environmental & Water Resources Engineering Division, Department of Civil Engineering IITM, Chennai.
Keynote Speakers	: Er. S.S. Gaharwar Sr. Pr. Scientist & FMR Head, Bridge Engineering & Structures Division CSIR-Central Road Research Institute New Delhi. Dr. S. Suriya Prakash Head & Professor Department of Civil Engineering Indian Institute of Technology Hyderabad.

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Construction Technologies - Accelerated Bridge Construction Techniques” which was then followed by Dr. S. Suriya Prakash, Head & Professor, Department of Civil Engineering, Indian Institute of Technology, Hyderabad who presented on the topic “Efficient Assessment and Strengthening Techniques for Civil Infrastructures”. The session was then continued with presentation by the delegates. The technical session of day-2 (23.7.2021) was started with a presentation by Dr S. Mohan, Chair Professor, Environmental & Water Resources Engineering Division, Department of Civil Engineering, IITM, Chennai on the topic “Green building”. More than 100 research papers were received and after a PEER review, 80 papers were selected to be published in the conference proceedings.



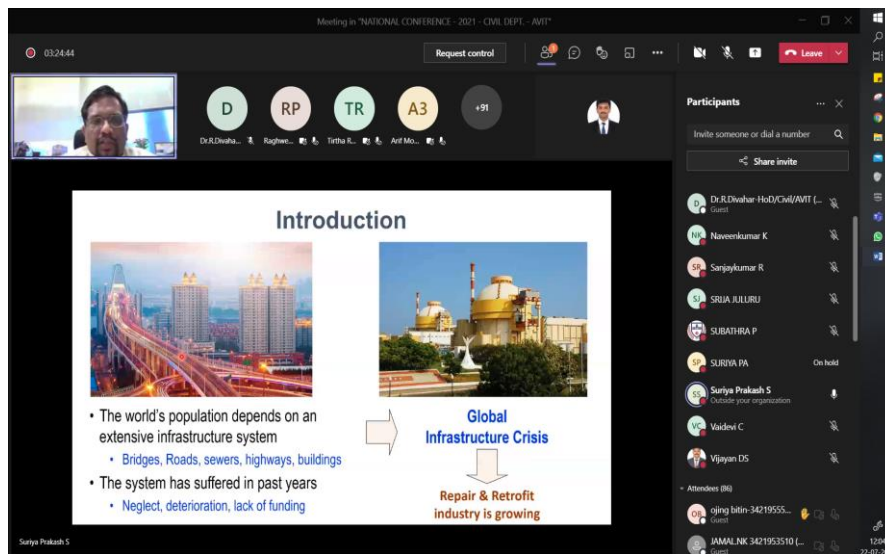
The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Outline of Presentation" with the following content:

- ◆ **Part 1:**
 - Need for R³ and Reasons for Deficiencies
- ◆ **Part 2:**
 - Condition Assessment Techniqes and Causes of D³ in Concrete
- ◆ **Part 3:**
 - Concrete Repair/Retrofit Process
- ◆ **Part 4:**
 - Recent Advances and Case Studies

The meeting interface also shows a list of participants on the right side, including Dr. S. Suriya Prakash, and a top bar with meeting controls like "Request control" and "Leave".

Release of Conference Virtual Proceedings

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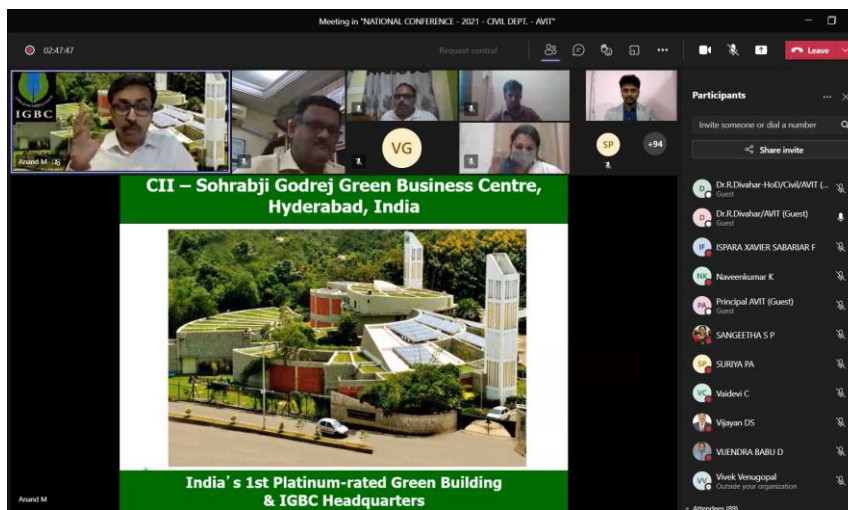
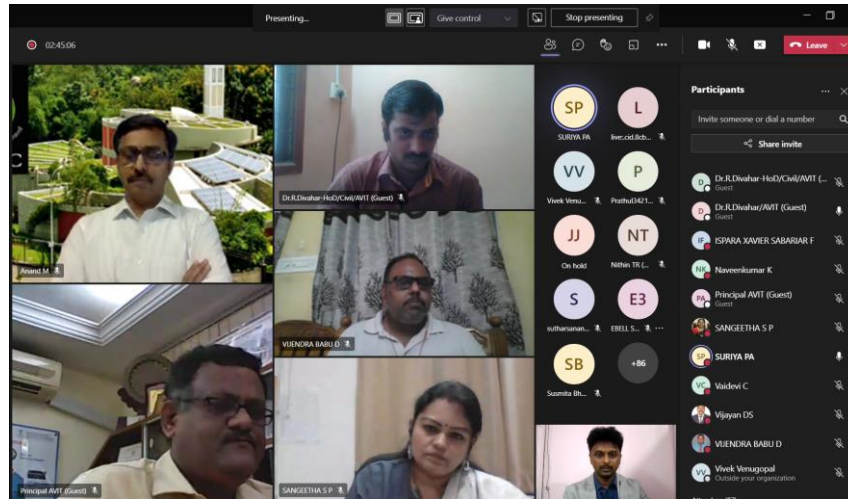


Presentation by the keynote speakers

The valediction of the national Virtual Conference begin with the concluding remarks by the convenors Dr.S.P.Sangeetha and Dr.R.Divahar. The conveners deliberated on the two days happenings of the conference which was then followed by the valedictory address by the chief guest Dr S. Mohan, Chair Professor, Environmental & Water Resources Engineering Division, Department of Civil Engineering, IITM, Chennai. Dr. Vijendra babu Vice-Principal (Part time) felicitated the online gathering. Participants from various institutions delivered a very good feedback on the conference. Dr.D.S.Vijayan, Assistant Professor (Civil) delivered the vote of thanks and concluded the two days national Virtual Conference.



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Valedictory Function of national conference



Dr.D.S.Vijayan
Associate Professor

Co-Convenor



Dr.P.S.Aravind Raj
Associate Professor

Co-Convenor



Dr.R.Divahar
HoD/Civil Engg.

Convenor



Dr. S.P.Sangeetha
Vice Principal
(Academics)

Convenor