



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

Department of Civil Engineering

ONLINE WEBINAR REPORT ON

SPECIAL CONCRETES FOR 21st CENTURY- A RESEARCH PERSPECTIVE AND DEVELOPMENT OF ULTRAHIGH PERFORMANCE CONCRETE

Event Type	Online Webinar through Microsoft Teams
Date / Duration	07.02.2021
Resource Persons	Dr.A. Ramachandra Murthy, Senior Principal Scientist, CSIR-SERC, Chennai, India Dr.Kalyana Rama J S, Professor, Civil Engineering Department, VBIT, Hyderabad, T.S.
Name of the Coordinator	Dr.J.Venkateswara Rao, Professor
Target Audience	Faculty members of Civil, Research scholars and Industry personnel working in the concerned/allied areas of Engineering
Total no of Participants	
Objective of the event	The webinar is aimed at a research perspective on special concretes for 21 st century with specific interest on Ultrahigh Performance Concrete
Outcome of event	Webinar will enable theParticipants to <ul style="list-style-type: none"> • Understand the factors to be considered while proportioning of special concretes • Visualize the scope for the applications of UHPC as a repairing material
Feedback / Suggestions	•

Photographs

Resource Persons	
 Dr.A Ramachandra Murthy , Senior Principal Scientist, CSIR-SERC, Chennai, India	
 Dr.Kalyana Rama J S , Professor, Civil Engineering Department, VBIT, Hyderabad, T.S.	

REPORT

An online webinar on “**SPECIAL CONCRETES FOR 21st CENTURY- A RESEARCH PERSPECTIVE AND DEVELOPMENT OF ULTRAHIGH PERFORMANCE CONCRETE**” is organized by Civil Engineering Department on 07th February 2021 at 10.30 AM with Dr.A Ramachandra Murthy, Senior Principal Scientist, CSIR-SERC, Chennai and Dr.Kalyana Rama J S, Professor, Civil Engineering Department, VBIT, Hyderabad are acted as Resource Persons. The content discussed during webinar as follows:

- Development of Ultrahigh Performance Concrete (UHPC)
- Application of UHPC to repair and retrofitting of RC beams
- Role of rheology in proportioning concrete mixes
- Role of chemistry in proportioning cementless concrete mixes

Webinar enabled participants to identify the scope of UHPC as a repair and retrofit material in RCC members. It also provided an understanding of mix proportion consideration in alkali activated concrete.