



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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

DEPARTMENT OF CIVIL ENGINEERING

REPORT

**ONLINE WEBINAR ON
RETROFITTING OF STRUCTURAL ELEMENTS USING
WRAPPING TECHNIQUES**

Event Type	Webinar
Date / Duration	10-06-2021
Resource Person	Dr P.Poluraju, Professor, K L Deemed to be University
Name of Coordinator	Sri. B.Rama Krishna, Assistant Professor
Target Audience	Faculty from various colleges, research scholars and P.G & U.G students
Total no of Participants	157 members
Objective of the event	<ul style="list-style-type: none">To assess the structural performance of structurally deficient elements using retrofitting techniques under general loading
Outcome of event	Faculty and other relevant participants can take up research for their Ph.D works & guide/supervise the students for dissertation or project work
Feedback / Suggestions	<ul style="list-style-type: none">Acquired the knowledge on necessity of retrofitting of structures.Understood the different retrofitting techniques

REPORT

Online webinar on “Retrofitting of Structural Elements Using Wrapping Techniques” is organized by Civil Engineering Department on 10th June 2021 with Dr P.Poluraju, Professor, K L Deemed to be University acting as Resource Person.

Retrofitting is the process of addition of new features to older buildings, bridges etc. Retrofitting of RCC structural members is carried out to regain the strength of deteriorated structural concrete elements and to prevent further distress in concrete. Strength deficiency of concrete structural members can be due to poor workmanship, design errors, and deterioration due to the aggression of harmful agents. There are several techniques which are used to retrofit structural members, based on the severity of the damage and required capacity to be regained, a proper retrofitting technique is specified and implemented. In this online webinar different wrapping techniques which are used in retrofitting of structures are discussed. Hence retrofitting is very useful to strengthen the old structural elements and this webinar promotes the participants towards research on retrofitting of structures.



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ONLINE WEBINAR ON

RETROFITTING OF STRUCTURAL ELEMENTS USING WRAPPING TECHNIQUES

10th June, 2021 at 2:00pm



RESOURCE PERSON
Dr P. POLURAJU

Chair Person,
Indian Concrete Institute,
Vijayawada Centre

- Professor at K L Deemed to be University in Civil Engineering Department guiding 8 Ph.D. scholars and 24 M. Tech. students
- Obtained M.Tech from IIT Guwahati and Ph.D. degree from IIT Madras
- Expert in the areas of repair, rehabilitation and retrofitting of structures, Mass housing construction using 3D Sandwich Panels.
- Actively working on Structural Materials, RC Structures and Earthquake Resistant Design, Bridge Structures, Repair, Rehabilitation and Retrofitting of Concrete Structures, Quick Build Panel (Popularly called 3D Sandwich Panel) construction
- Obtained Indian Excellency Awardee from "Indian Book of Records" – Indian World Record, March 2021.
- Published 61 papers in journals and conferences, completed 10 consultancy projects and an active consultant for various organizations

Objective: To assess the structural performance of structurally deficient elements using retrofitting techniques under general loading

Contents: Retrofitting of flexural deficient beams using CFRP
Retrofitting of shear deficient beams using GFRP
Strengthening of Beam-Column Joint as beam weak in both flexure & shear
Strengthening of Beam-Column Joint as column weak in shear

Outcome: Faculty and other relevant participants can take up research for their Ph.D. works & guide/supervise students for dissertation or project work

To register click on the link:	https://tinyurl.com/LBRCE-CE-WEBINAR
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E-Certificate will be provided to the participants

Coordinator
B. Rama Krishna, Asst Professor
Ph: 9849706359

Convenor
Dr V. Ramakrishna, HOD & Professor
Ph: 9542184356

Organized by: DEPARTMENT OF CIVIL ENGINEERING