



Sreenivasa Institute of Technology and Management Studies (SITAMS)

Murukambattu, Chittoor, Andhra Pradesh.

Technical talk

On

“Bridge Bearings & Stability”

Department of Civil Engineering organized a Tech-Talk on **“Bridge Bearings & Stability”** on 11-11-2020.

Bearings can be termed as the mechanical part of a bridge structure. The earliest bridges were built of high mass of stones, bricks, or timber material. Temperature difference accounts for expansion and reduction in these bridges, but with small temperature gradients because of the high mass of the bridge material. Bridges made of timbers reacts more to moisture content and weather conditions than thermal actions from temperature difference, but timber bridges are constructed with several joints which enables sectionalized movement in the bridges.

Speaker’s Details : Dr. Sreevalsa Kolathayar Associate Professor, Department of CE, Vellore Institute of Technology

Convenor : Mr. B. Krishna Moorthy, Assistant Professor, CE Dept., SITAMS.

Date : 11.11.2020

Venue : Gallery, SITAMS.

Target Audience : Faculty and Students.





Sreenivasa Institute of Technology and Management Studies (SITAMS)

Murukambattu, Chittoor, Andhra Pradesh.

Technical talk

On

“Bridge Strengthening Advanced Composite”

Department of Civil Engineering organized a Tech-Talk on **“Bridge Strengthening Advanced Composite System”** on 15-03-2021.

Application of advanced FRP composite systems in strengthening concrete bridges:

- Reinforcing concrete bridges with carbon fiber sheets is a new technology, which has become a rapid reinforcement method for highway bridges, which is suitable for the requirement of not affecting the normal operation of the bridge during the highway bridge reinforcement period. The carbon fiber sheet is light and does not require heavy equipment to be pasted on site. The construction is convenient, and it is convenient for high-altitude operations under the bridge.
- For the reinforcement method of old concrete bridges on highways, the comprehensive method has a better application effect in engineering. That is, a certain reinforcement method is the main method, supplemented by other methods. This must be determined in accordance with the visual inspection, technical evaluation and reinforcement design requirements of the bridge site. At present, the reinforcement methods of pasting carbon fiber sheets are often supplemented by crack grouting and crack sealing.

Speaker's Details : Dr. D. Damodhara Reddy, Professor, CE Department, SVCET

Convenor : Mr. J.V Naidu, Assistant Professor, CE Dept., SITAMS.

Date : 15.03.2021

Venue : Gallery, SITAMS.

Target Audience : Faculty and Students.

