

K.L. DEEMED TO BE UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

Guest Lecture

Organized by Civil Engineering Department

Attended by

All Civil Engineering Students & Faculties

Speaker: Dr. Jagadish Vengala, Associate Professor, Head, EDC, Incubation & Innovation centre, PVP Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh.

Dated: 31st Aug, 2020, **Time:** 3:00 AM to 5:00 PM, **Venue:** Online

We are happy to inform you that the Department of Civil Engineering, successfully organized a Guest lecture.

The Welcome note was presented by Mr. B. G. Rahul, Assistant Professor, Civil Engineering. The guest speaker Dr. Jagadish Vengala has presented the lecture on “Bamboo construction under Seismic zones”.

He highlighted the use of bamboo as a structural construction material. It is gaining traction primarily and it is a rapidly growing material and thus sustainable, it has many positive engineering attributes such as its high strength-to-weight ratio in tension. One area of recent development has

been the use of bamboo-based construction in seismically active regions of India and use of these materials under seismic zones.



BAMBOO CONSTRUCTION UNDER SEISMIC ZONES

by

Dr. JAGADISH VENGALA

**Assoc. Professor, Department of Civil Engineering
Head, EDC, Incubation & Innovation Centre
PVP Siddhartha Institute of Technology, VIJAYAWADA**

**Former HoD, Dept of Civil Engineering, BMSIT& M Bangalore
Former Scientist, IPIRTI(Min. of Env. & Forests, Govt. Of India), Bangalore**

bamboo



- IN INDIA, THERE ARE 125 INDIGENOUS AND 11 EXOTIC SPECIES OF BAMBOO BELONGING TO 23 GENERA
- BAMBOO AVAILABLE IN NEARLY 14 MILLION HECTARES IN INDIA
- ABOUT 2 MILLION TRADITIONAL ARTISANS WHOSE LIVELIHOOD DEPENDS ON BAMBOO
- THE NORTH EASTERN STATES AND WEST BENGAL ACCOUNT FOR MORE THAN 50% OF THE BAMBOO RESOURCES OF THE COUNTRY.
- ANNUAL HARVEST IS MORE THAN 13 MILLION METRIC TONNES

(Ref: India State of Forest Report , 2019, Forest survey of India)

Participants

Speaking: Dr.Jagadish Vengala

Panelists: 3

CLASS ROOM 042 (Host, me)

Dr.Jagadish Vengala

Hanumantharao Chappidi

Attendees: 109

170920006 venkatesh ch

170920012 Ajay Babu

170920015(Elipilla.Sai ikhi...

170920018_GANU KUSHAL

170920029_Vishwateja Reddy...

170920031 saavirika c

Audio

You are viewing Dr.Jagadish Vengala's appl...

3

Test structure was supported on Four Friction pendulum sliders (FPS)

Participants

Speaking: Dr.Jagadish Vengala

Panelists: 3

CLASS ROOM 042 (Host, me)

Dr.Jagadish Vengala

Hanumantharao Chappidi

Attendees: 90

170920012 Ajay Babu

170920015(Elipilla.Sai ikhi...

170920018_GANU KUSHAL

170920057

170920062

170920100 saavirika c

Audio