

Report

Six Day Online Workshop on

“Innovative Solutions for Sustainable Constructions in Civil Engineering”

A six day online workshop on “Innovative Solutions for Sustainable Constructions in Civil Engineering” was organized by the Department of Civil Engineering. The program was organized from 4th October 2021 to 9th October 2021 (6 Days). The workshop was designed for the Academicians/Engineers and Engineering students to give an exposure to the new innovative ideas and current sustainable construction practices in Civil Engineering in order to create a sustainable environment.

The program was successfully completed under the auspices of:

- Prof. (Dr.) Rajendra Kumar Sharma - Vice Chancellor of JUIT Waknaghat and Patron of the organized CEP by the Department of Civil Engineering.
- Prof. (Dr.) Ashok Kumar Gupta (Dean Academics & Research)
- Prof. (Dr.) Ashish Kumar – HOD, Department of Civil Engineering, JUIT Waknaghat and Program Chair of the organized CEP by the Department of Civil Engineering.
- Dr. Amardeep – Assistant Professor, Department of Civil Engineering, JUIT Waknaghat and Program Convener.

Workshop Schedule

“Innovative Solutions for Sustainable Constructions in Civil Engineering”

Faculty Name	Designation	Date	Time	Topic
Dr. Nikhil Saboo	Assistant Professor Department of Civil Engineering, IIT Roorkee	04-10- 2021	10:00 – 12:00 AM	Mix Design Concepts for Reclaimed Asphalt Pavement Materials
Dr. Arnav Anuj Kesar	Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology Waknaghat		03:00 – 05:00 PM	Earthquake Sustainability
Dr. Bhupendra Singh,	Assistant Professor Department of Civil Engineering, IIT Jodhpur	05-10- 2021	10:00 – 12:00 AM	Advances in Cold Mix Asphalt
Er. Saurabh Jaglan	Assistant Professor, Department of Civil		03:00 – 05:00 PM	Use of Waste Materials and New

	Engineering, DCRUST Murthal University			Technology in Rural Road Development
Dr. Surender Singh	Assistant Professor Department of Civil Engineering, IIT Madras	06-10- 2021	10:00 – 12:00 AM	Use of Innovative Materials for Rigid Pavement
Dr. Sugandha Singh	Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology Waknaghat		03:00 – 05:00 PM	Understanding the behavior of non- structural elements subjected to ground motions in sustainable planning
Dr. Saurav	Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology Waknaghat	07-10- 2021	10:00 – 12:00 AM	Understanding Viscoelastic modeling of creep at low temperature and constitutive equations
Dr. Solomon Debbarma	Adjunct Lecturer & Postdoctoral Associate, Ingram School of Engineering, Texas State University, USA		03:00 – 05:00 PM	Use of RAP for Roller Compacted Concrete Pavements
Dr. Kumari Monu	Assistant Professor, Department of Civil Engineering, Thapar University	08-10- 2021	10:00 – 12:00 AM	Alternative Mix Design Processes Involved in Flexible Pavements
Mr. Rohan Singhal	Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology Waknaghat		03:00 – 05:00 PM	Lean and green
Mr. Akhilesh Gandhi	Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology Waknaghat	09-10- 2021	10:00 – 11:00 AM	Environmental Sustainability in a Life Cycle of a Project

Other Salient Features

- Video Recording of all lectures by the speakers for the Workshop available with the organizing committee.
- Presentation slides of all lectures by the speakers for the Workshop available with the organizing committee and has been distributed to participants.
- Certificates of participation issued to all registered participants.
- Certificates of resource persons issued to all the listed speakers.
- Feedback collected from participants for further improvement in conducting such future online Workshops

Summary of the Participants

<i>Types of Participants</i>	<i>Total No. of Registered Participants</i>
HPPWD Assistant and Junior Engineers	30
Other Participants	70

Feedback of the Participants

<i>Types of Participants</i>	<i>Total No. of Registered Participants</i>
HPPWD Assistant and Junior Engineers (30)	Excellent (83%) Very Good (14%) Good (3%)
Other Participants (40)	Excellent (75%) Very Good (23%) Good (2%)

With Regards

Dr. Amardeep,

Program Coordinator

Department of Civil Engineering

Jaypee University of Information Technology Waknaghat