

Report
One Week Workshop on
“Sustainable Highway Infrastructure”

A one-week workshop on “Sustainable Highway Infrastructure” was organized by the Department of Civil Engineering, JUIT Waknaghat from 17th November 2020 to 23rd November 2020, in online mode. The workshop was focused on the current practices adopted in the field for the construction of flexible and rigid pavement while considering different waste materials as the replacement of bitumen and cement.

The program was successfully completed under the auspices of:

- Prof. Vinod Kumar – Vice Chancellor of JUIT Waknaghat and Patron of the organized CEP by the Department of Civil Engineering.
- Prof. Samir Dev Gupta – Director and Dean of Academics of JUIT Waknaghat
- Major General Rakesh Bassi (Retd.) - Registrar and Dean of Students of JUIT Waknaghat
- Prof. Ashok Kumar Gupta – 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.
- Dr. Aakash Gupta – Assistant Professor, Department of Civil Engineering, JUIT Waknaghat and Program Convener.
- Dr. Tanmay Gupta – Assistant Professor, Department of Civil Engineering, JUIT Waknaghat and Program Convener.

Workshop Schedule

17/11/20 First Day			
09:30-10:00AM	Inaugural Session		
10:00-11:00PM	Dr. Amardeep	Rigid Pavement <ul style="list-style-type: none"> • Current Practices 	
11:00-01:00PM	Dr. Amardeep	Different Test for <ul style="list-style-type: none"> • Aggregate • Cement (with and without waste materials) 	Concrete Lab
18/11/20 Second Day			
10:00-01:00PM	Dr. Amardeep	Mix-Design for Rigid Pavement <ul style="list-style-type: none"> • Without Waste Material • With Waste Materials 	
19/11/20 Third Day			
10:00-11:00PM	Dr. Aakash Gupta	Flexible Pavement <ul style="list-style-type: none"> • Methods of Construction • Current Practices based on utilization of different waste materials 	
11:00-01:00PM	Dr. Aakash Gupta	Live Test on <ul style="list-style-type: none"> • Penetration • Ductility • Softening Point • Flash and Fire etc 	Highway Lab
20/11/20 Fourth Day			
10:00-11:00PM	Dr. Aakash Gupta	Use of RAP in construction of flexible pavement IRC 120:2015	
11:00-01:00PM	Dr. Aakash Gupta	Lab testing Reclaimed asphalt pavement	Highway Lab
21/11/20 Fifth Day			
10:00-11:00PM	Mr. Akash Bhardwaj	<ul style="list-style-type: none"> • Planning and Design Concept for Pedestrians • IS Code provisions for pedestrians and Urban Roads 	
11:00-01:00PM	Mr. Akash Bhardwaj	Planning and Design Concept for Urban Street/Roads	
23/11/20 Sixth Day			
10:00-12:00PM	Dr. Amardeep	<ul style="list-style-type: none"> • Concrete Sample Testing (Strength Assessment) • Feedback Session 	Concrete Lab
12:00-12:30PM	Prof. (Dr.) A. K. Gupta	Closing Ceremony	

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	20
Other Participants	60

Feedback of the Participants

<i>Types of Participants</i>	<i>Total No. of Registered Participants</i>
HPPWD Assistant and Junior Engineers (20)	Excellent (88%) Very Good (8%) Good (4%)
Other Participants (60)	Excellent (85%) Very Good (12%) Good (3%)

With Regards

Dr. Amardeep,

Program Coordinator

Department of Civil Engineering

Jaypee University of Information Technology Waknaghat