Report

Six Day Online Workshop on

"Mix-Design Methodology for Concrete and Bitumen"

A six day online workshop on "Mix-Design Methodology for Concrete and Bitumen" was organized by the Department of Civil Engineering. The program was organized from 24th June 2019 to 29th June 2019 (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 make them familiar to mix design method for flexible and rigid pavement.

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, 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. Pankaj 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

24/06/19 First Day				
09:00- 10:00 am	Prof. Ashok Kumar Gupta	Inaugural Lecture		
		High Tea		
10:30- 12:30 pm	Dr. Pankaj Kumar	Concrete Mix Design: Overview		
		Lunch		
02:00- 05:00 pm	Dr. Pankaj Kumar Mr. Jaswinder	Casting of Concrete Mix-Design Samples of Various Strengths (Concrete Lab) • Mix-Design Cubes of Standard Sizes • Split Tensile Testing Cylinder of Standard Sizes		
	25/06	/19 Second Day		
09:00- 10:00 am	Dr. Pankaj Kumar	Introduction to Cement and its Testing Methodologies		
		High Tea		
10:30- 12:30 pm	Dr. Pankaj Kumar Mr. Jaswinder	Cement Lab Testing: Normal Consistency Initial and Final Setting Time		
Lunch				
02:00- 05:00 pm	Dr. Pankaj Kumar Mr. Jaswinder	 Cement Lab Testing Continued: Specific Gravity of Cement Compressive strength of Cement Tensile strength of Cement Soundness of Cement 		
	26/00	5/19 Third Day		
09:00- 10:00 am	Dr. Pankaj Kumar	Concrete Matrix and its Constituents		
High Tea				
10:30- 12:30 pm	Dr. Pankaj Kumar Mr. Jaswinder	Concrete Matrix Lab Testing:		
Lunch				
02:00- 05:00 pm	Dr. Pankaj Kumar Mr. Jaswinder	 Concrete Matrix Lab Testing Continued: Specific Gravity of Coarse Aggregate Flakiness Index and Elongation Index of Coarse Aggregate Impact Abrasion Test Workability Tests on Concrete 		
	27/06	/19 Fourth Day		
09:00- 10:00 am	Dr. Amardeep	Bitumen Grading, Properties and Mix Design in Pavement Construction: Methodological Discussion		

	High Tea				
10:30- 12:30 pm	Dr. Amardeep Mr. Jaswinder	Bitumen Lab Tests: Introduction to different graded Bitumen Penetration Test Viscosity Test			
		Lunch			
02:00- 05:00 pm	Dr. Amardeep Mr. Jaswinder	 Specific Gravity Test Ductility Test Softening Point Test Flash and Fire Test 			
28/06/19 Fifth Day					
09:00- 10:00 am	Dr. Amardeep Mr. Jaswinder	Different Specifications for Bitumen Mix Design			
	High Tea				
10:30- 12:30 pm	Dr. Amardeep Mr. Jaswinder	Bitumen Mix Design			
		Lunch			
02:00- 05:00 pm	Dr. Amardeep Mr. Jaswinder	Bitumen Mix Design Continuation			
29/06/19 Sixth Day					
09:00- 11:00 am	Dr. Pankaj Kumar Mr. Jaswinder	Concrete Sample Testing (Strength Assessment)			
High Tea					
11:30-1:00 pm	Dr. Amardeep Dr. Pankaj Kumar	Feedback Session			
Lunch					
02:00- 05:00 pm	Prof. Ashok Kumar 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

Types of Participants	Total No. of Registered Participants
HPPWD Assistant and Junior Engineers	25
Other Participants	60

Feedback of the Participants

Types of Participants	Total No. of Registered Participants
HPPWD Assistant and Junior Engineers (25)	Excellent (87%)
	Very Good (10%)
	Good (3%)
Other Participants (60)	Excellent (78%)
	Very Good (20%)
	Good (2%)

With Regards

Dr. Amardeep,

Program Coordinator

Department of Civil Engineering

Jaypee University of Information Technology Waknaghat