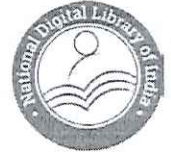




Jansons Institute of Technology


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Coimbatore, Tamil Nadu – 641659
www.jit.ac.in






Event Report

Title	:	Expert Talk on CE8604-Highway Engineering "Pavement Design"			
Date (from & to)	:	08.06.2022	Time (from & to)	:	2.00pm to 3.00pm
Venue (online / offline)	:	Online			
Organised by	:	Department of Civil Engineering			
In association with	:	NDLI club			
Student Activity	:	Yes			

Speaker Details

Name	:	Er.Shijith P P	
Designation	:	Highway cum Pavement Design Engineer	
Affiliation	:	Louis Berger International- a WSP Company New Delhi	
Topic	:	CE8604-Highway Engineering "Pavement Design"	

JIT Website

	https://meet.google.com/spv-aijq-bkt
	https://www.facebook.com/250442415535499/posts/pfbid037wDg3cQWHgTTh6YFQHzZe6psXdAFjBwukH1VxcrJWWSKZDLGjwWUNPV2KT1YpR2d/
	https://www.instagram.com/p/Cef2tFJLOz7/?igshid=YmMyMTA2M2Y=

Event Objective

To provide a general introduction to highway engineering, including planning, designing, and building roadways in accordance with IRC standards, guidelines, and techniques.

Event Summary

This presentation provides a succinct overview of the history of highway engineering while highlighting key breakthroughs in road building. There is also discussion on the classification of Indian roads and the development of highways. National Highways, State Highways, District Roadways, and Village Roads are the four main categories of roads. The subject of highway alignment is finally covered. Because they affect comfort and safety, cross-sectional element properties are significant in the geometric design of highways. Camber offers drainage, resistance to friction, and reflectivity for safety, among other things. The kerb, shoulders, carriageway width, and other aspects of the road should be sufficient for a smooth, safe, and effective flow of traffic.

The minimal values for each of these cross-sectional components have been advised by IRC. The primary supporting structure for highway transportation is pavement. Numerous tasks must be accomplished by each layer of pavement, and these tasks must be properly taken into account throughout the design phase. Depending on the traffic needs, different pavement kinds might be used. Pavement design mistakes cause early failure, which also affects the ride quality.

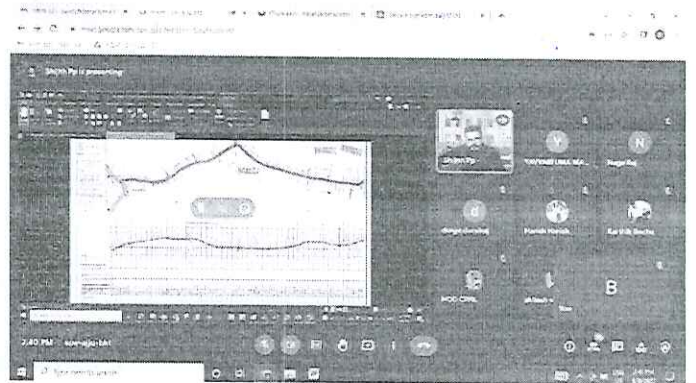
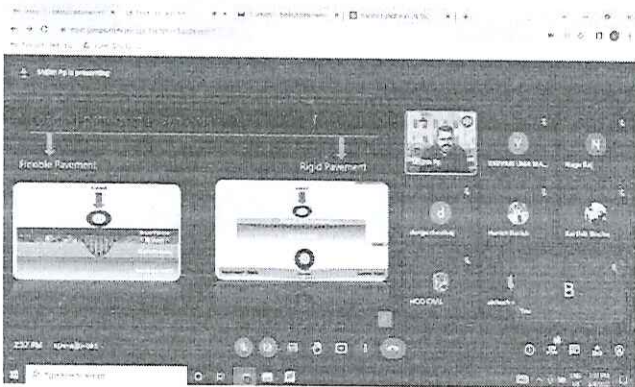
Event Photographs



About Louis Berger International



Er.Shijith explained about layers of pavement



Discussed about Loading Patterns

Various Load Levels



Material Study from Laboratory

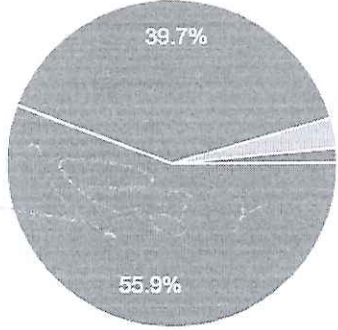
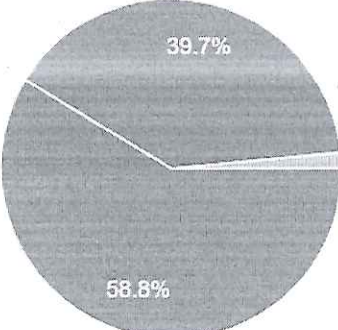
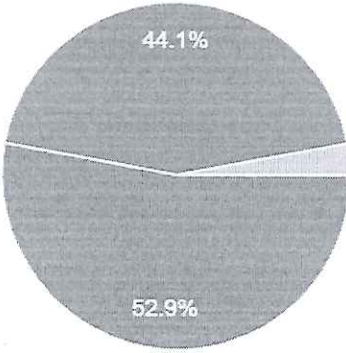
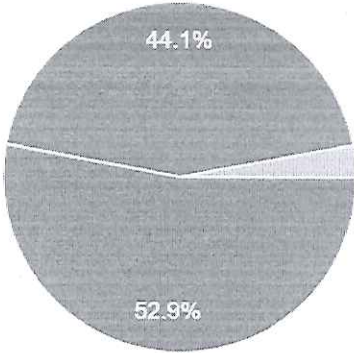


Load distribution factor

Event Outcomes

- ✓ The students gained the knowledge about to design flexible and rigid pavements.
- ✓ The students comprehend the characteristics and applications of numerous pavement materials and methods, the study of stress distribution, and the assessment and upkeep of flexible and rigid pavement.

Event Feedback

<p>How would you rate the event in terms of preparation, flow, and content?</p>	 <ul style="list-style-type: none"> ● Very Satisfied ● Satisfied ● Neutral ● Dissatisfied
<p>The content and activities of the event has increased my knowledge.</p>	 <ul style="list-style-type: none"> ● Very Satisfied ● Satisfied ● Neutral ● Dissatisfied
<p>How would you rate the speaker in terms of knowledge and presentation?</p>	 <ul style="list-style-type: none"> ● Very Satisfied ● Satisfied ● Neutral ● Dissatisfied
<p>Overall experience of the event.</p>	 <ul style="list-style-type: none"> ● Very Satisfied ● Satisfied ● Neutral ● Dissatisfied

Suggestion for Improvements (If any)	Nil
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No. of Participants / Benefices

Total (Participants / Benefices)	Students	Faculty	Students (Outside institution)	Faculty (Outside institution)
40	34	6	Nil	Nil

Date of report submission: 10.06.2022



Student Coordinator
(Ms.Yavvari uma maheshwari)



Faculty Coordinator
(Mr.N.Balasubramaniam)



Head of Department
(Dr.S.Ragunath)



Principal

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