



School of Civil Engineering

Industry Expert talk on “Sustainable and Innovative Highway Design Techniques and Best Practices”

Report

Date of Event: 26.08.2024

Venue: Room no 208, Sir M V Block.

Academic Year: 2024-25

School of Civil Engineering
REVA University,
Rukmini Knowledge Park,
Kattigenahalli, Yelahanka,
Bengaluru-560064

REVA University Vision: REVA University aspires to become an innovative university by developing excellent human resources with leadership qualities, ethical and moral values, research culture and innovative skills through higher education of global standards.

REVA University Mission:

- To create excellent infrastructure facilities and state-of-the-art laboratories and incubation centers
- To provide student-centric learning environment through innovative pedagogy and education reforms
- To encourage research and entrepreneurship through collaborations and extension activities
- To promote industry-institute partnerships and share knowledge for innovation and development
- To organize society development programs for knowledge enhancement in thrust areas
- To enhance leadership qualities among the youth and enrich personality traits, promote patriotism and moral values

School of Civil Engineering

Vision: To produce young engineers of Caliber, who would be committed to their profession with ethics, will be able to contribute to Civil Engineering and allied fields in optimizing usage of resources globally making the world more eco-friendly to live in.

Mission:

- To make the school a centre of excellence for training the undergraduate students.
- To promote involvement of staff and students in research and advanced training.
- To develop good understanding skills in student communities about Civil Engineering, ethical practices, automation design and society need centric teaching and learning and imparting value addition skills.

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Section:1

Permission letter



To,
Director
School of Civil Engineering
REVA University,
Bengaluru - 560064

Date: 25.07.2024

From,
Amaranatha G A
Assistant Professor
School of Civil Engineering
REVA University

Subject: Request for Permission to Conduct an Expert Lecture on "**Sustainable and Innovative Highway Design: Techniques and Best Practices**" on 26.08.2024.

Dear Madam,

I am writing to seek your permission to conduct an expert lecture on "**Sustainable and Innovative Highway Design: Techniques and Best Practices**" on 26th August 2024. This lecture is part of our continuous efforts to enrich our academic curriculum with insights from industry experts and to provide our students with practical knowledge and exposure to contemporary issues in their field of study.

The lecture will be delivered by **Mr. Veeresh Kori, Engineer – Highways at Systra**, Mr. Veeresh Kori is a highly regarded professional in the field of highway design, with a wealth of experience in implementing sustainable and innovative techniques. Their expertise will offer invaluable knowledge to our students, particularly those specializing in the Geometric Design of Highways and Harbour Planning within our B.Tech and M.Tech programs.

The lecture is scheduled to take place in **Room No 208 from 10am to 11am**, with an expected attendance of approximately 100 students and faculty members.

We believe that this lecture will significantly enhance our students' understanding of sustainable and innovative highway design and better prepare them for their future careers.

I kindly request your approval to proceed with the organization of this lecture.

Thank you for considering this request. I am looking forward to your positive response.

Yours sincerely,
Amaranatha G A


Director 25/7/24

School of Civil Engineering

Section:2

Brochure and Banner

NAAC
GRADE A⁺
ACCREDITED UNIVERSITY

REVA
UNIVERSITY
Bengaluru, India

School of Civil Engineering
invites you to the industry expert talk on

**Sustainable and Innovative Highway Design:
Techniques and Best Practices**

Resource Person
Mr. Veeresh Kori
Engineer – Highways Systra, Bengaluru

Chairperson
Dr. Bhavana B.
Director
School of Civil Engineering, REVA University

Faculty Coordinator
Mr. Amaranatha G. A.
Assistant Professor
School of Civil Engineering, REVA University

Date : 26th August, 2024
Time : 10:00 AM

Venue : Smart Classroom (Room No.208)

Rukmini Educational
Charitable Trust

www.reva.edu.in

NAAC
GRADE A⁺
ACCREDITED UNIVERSITY

REVA
UNIVERSITY
Bengaluru, India

School of Civil Engineering
Organises Industry expert talk on

**Sustainable & Innovative Highway Design:
Techniques & Best Practices**

 Resource Person
Mr. Veeresh Kori
Engineer - Highways Systra, Bengaluru

 26th August, 2024  10:00 AM

 Room No.208 Smart Classroom Sir. M.V. Block



Section:3

About Resource Person

Veeresh Kori is a civil engineer specializing in transportation engineering with a strong academic background and hands-on experience in highway and railway design. Currently pursuing a Ph.D. he holds an M.Tech in Transportation Engineering and Management. His professional experience includes working as an Engineer at SAI – Systra Group, where he contributes to the HS2 project by designing, modeling, and producing technical drawings using advanced software tools. Veeresh has also interned with Medini Technologies and CCTSK Design Softech, gaining expertise in highway design, surveying, and training. His technical skills encompass a range of civil engineering software, and he holds several certifications from renowned institutions. Notable academic projects include studying travel behaviour changes due to COVID-19 and developing an ANN model for pedestrian speed estimation. Recognized as the Best Outgoing Student of the Year in 2022, Veeresh is known for his quick learning, strong communication skills, and ability to deliver results within deadlines.



Section:4







Brief Points About Event

On August 26th, 2024, REVA University's School of Civil Engineering hosted an Industry Expert Talk on “Sustainable and Innovative Highway Design Techniques and Best Practices.” The event highlighted green infrastructure, smart transportation systems, climate resilience, and community engagement. Key takeaways included the use of recycled materials, complete streets design, and life cycle assessments to enhance sustainability and minimize environmental impact. Participants were encouraged to adopt innovative and sustainable practices in future highway projects. The event was well-received and praised for its structure and content.

Objective:

The Industry Expert Talk aimed to provide insights into modern practices and advancements in highway design, focusing on sustainability and innovation.

Learning Outcomes: Industry Expert Talk on “Sustainable and Innovative Highway Design Techniques and Best Practices”

-  **Sustainable Design Principles:** Understanding of integrating green infrastructure and using recycled materials to enhance environmental sustainability.
-  **Innovative Techniques:** Knowledge of smart transportation systems and complete streets design to improve efficiency and urban mobility.
-  **Climate Resilience:** Skills to design highways resilient to climate change, ensuring long-term durability.
-  **Community Engagement:** Insight into involving local communities in planning to address needs and increase project acceptance.
-  **Life Cycle Assessments:** Ability to evaluate and minimize environmental impacts over a highway's entire life cycle.
-  **Collaboration and Innovation:** Encouragement to adopt sustainable practices and innovative solutions in future projects.

Conclusion: The Industry Expert Talk successfully equipped participants with valuable knowledge on sustainable and innovative highway design. The insights shared are expected to drive the adoption of environmentally friendly and technologically advanced practices in future infrastructure projects.

Section:5

Geo Tagged Photos





Section:6

Outcome of the Industry Expert Talk

1. Introduction to Sustainable Practices:

- ✚ Emphasis on integrating green infrastructure to enhance environmental benefits.
- ✚ Discussion on using recycled materials in highway construction to reduce waste and lower environmental impact.

2. Innovative Design Techniques:

- ✚ Exploration of smart transportation systems that leverage technology for improved efficiency and safety.
- ✚ Overview of complete streets design principles to accommodate various modes of transport and promote community well-being.

3. Climate Resilience:

- ✚ Strategies for designing highways that can withstand and adapt to climate change effects.
- ✚ Importance of incorporating climate resilience in project planning to ensure long-term durability.

4. Community Engagement:

- ✚ Approaches to involve local communities in the planning and design process to address their needs and enhance project acceptance.


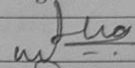

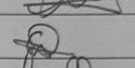



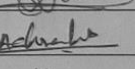
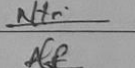
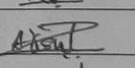
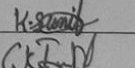


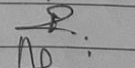
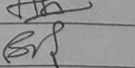
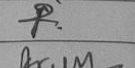






5. Life Cycle Assessments:

- ✚ Introduction to evaluating the environmental impact of highway projects over their entire life cycle.
- ✚ Techniques for assessing and minimizing long-term ecological footprints.

Feedback and Impact: The talk was well-structured and received positive feedback from attendees. Participants expressed enthusiasm for applying the discussed techniques in their future projects. The event highlighted the necessity for collaboration and forward-thinking approaches in highway design to foster sustainable and efficient transportation networks.

Section:7


Participants List

<p style="text-align: center;">  School of Civil Engineering Industry Expert talk on Sustainable and Innovative Highway Design Techniques and Best Practices 26th August 2024 at 10am Attendance Sheet </p>			
Sl. No	SRN	Name	Signature
1.	R21ED060	mohan chandrasekhar.	
2.	R21ED052	JEROME J	
3.	R21ED061	Monish Gowda S	
4.	R21ED047	Gagan V Reddy	
5.	R21ED042	Chaitanya K	
6.	R21ED046	Gagan Kumar. R	
7.	R21ED051	Hemanth. B	
8.	R21ED074	Siddhanta. S. M	
9.	R21ED078	Bharath M. S	
10.	R23TE021	Achshay Rachel Varghese	
11.	R23TE025	Netra Torvi	
12.	R23TE001	Aishwarya	
13.	R23TB013	Aishwarya Rajakumar	
14.	R23TE005	K. Sunil Kumar	
15.	R23TE016	TARUN REDDY GK	
16.	R23TE026	SURAJ. J	
17.	R23TE007	Manju. M. N	
18.	R23TE020	Yashwanth. N	
19.	R23TE017	Pothuraju Venkata Vamsi	
20.	R23TB012	Abubakar sidhiqui	
21.	R23TB015	Bibin	
22.	R23TE009	Pessay Revanth Ra	
23.	R22ED005	Aren. V	

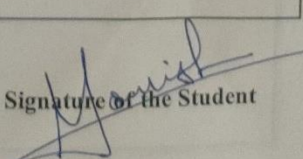
24.	R23TK003	Hareharadhar .H.S	Hareharadhar
25.	R23TK002	Basavaraj. S.M	Basavaraj
26.	R23TK010	SHREYAS.m	Shreyas
27.	R23TK012	Ullasgowda.R	Ullasgowda
28.	R23TK004	Murali	Murali
29.	R23TK013	Dipanjita Mahata	Dipanjita
30.	R23TK007	Pratiksha .A. Kupat	Pratiksha
31.	R23TK001	Basalingamma	Basalingamma
32.	R23TK006	Nethranjali. N.R.	Nethranjali
33.	R23TB012	Abhisek Kumar Siddiq	Abhisek Kumar
34.	R23TB007	RAHUL .B	Rahul
35.	R23TB014	Anusha .N.S	Anusha
36.	R23TB009	Sujith I.G	Sujith
37.	R23TB020	R-Hemanth Valmiki	R-Hemanth
38.	R23TB021	Veeresh .M. Gadavanti	Veeresh
39.	R23TB022	Venkatesh .S. Hagargi	Venkatesh
40.	R21ED079	Varsha N	Varsha
41.	R21ED130	Valdushi	Valdushi
42.	R21ED069	Shagar Gowda A	Shagar
43.	R21ED089	Abhishek Siddiq N	Abhishek
44.	R21ED055	Keerthana Reddy M	Keerthana
45.	R21ED097	Kaathik	Kaathik
46.	R21ED111	Niveditha	Niveditha
47.	R21ED117	Tejaswini	Tejaswini
48.	R21ED035	Yashwanth	Yashwanth
49.	R21ED034	Varun	Varun
50.	R21ED034	Ranjana	Ranjana
51.	R21ED068	Sandeep	Sandeep
52.	R21ED123	Sai Vardhan	Sai Vardhan
53.	R21ED118	Siddarth	Siddarth
54.	R21ED121	Shahn	Shahn
55.	R21ED075	Shree Varun	Shree Varun

Section:8

Feedback

FEEDBACK FORM						
Title of the Event:	Industry Expert talk on "Sustainable and Innovative Highway Design Techniques and Best Practices"					
Date	26.08.2024, Monday					
Name of the Participant	JEROME I					
SRN	R21ED052					
Rating: 5 – Excellent, 4 – Very Good, 3 – Good, 2 – Fair, 1 – Poor						
Feedback on	Rating					Comments
	1	2	3	4	5	
How effectively did the presentation address the latest trends and innovations in sustainable highway design?					✓	
To what extent did the talk provide practical examples or case studies that you can apply to your own work?					✓	
The location selected was appropriate to meet the stated objectives					✓	
The Teacher/Resource Person discussed subject matter during the expert talk					✓	
How well did the presentation engage with participants and address their questions and concerns?					✓	
Would you recommend this talk to others in the industry?					✓	YES
Overall Rating:	5					
Any other comments:						
 Signature of the Student						

FEEDBACK FORM						
Title of the Event:	Industry Expert talk on "Sustainable and Innovative Highway Design Techniques and Best Practices"					
Date	26/08/24 . 26.08.2024, Monday					
Name of the Participant	Monish Gowdars					
SRN	R21F0061					
Rating: 5 – Excellent, 4 – Very Good, 3 – Good, 2 – Fair, 1 – Poor						
Feedback on	Rating					Comments
	1	2	3	4	5	
How effectively did the presentation address the latest trends and innovations in sustainable highway design?					✓	
To what extent did the talk provide practical examples or case studies that you can apply to your own work?					✓	
The location selected was appropriate to meet the stated objectives					✓	
The Teacher/Resource Person discussed subject matter during the expert talk					✓	
How well did the presentation engage with participants and address their questions and concerns?					✓	
Would you recommend this talk to others in the industry?					✓	
Overall Rating:	5					
Any other comments:						

Signature of the Student


REVA UNIVERSITY

FEEDBACK FORM

Title of the Event:	Industry Expert talk on "Sustainable and Innovative Highway Design Techniques and Best Practices"				
Date	26.08.2024, Monday				
Name of the Participant	mohan chandrasekhar Shetty A.V				
SRN	R21ED060				

Rating: 5 – Excellent, 4 – Very Good, 3 – Good, 2 – Fair, 1 – Poor

Feedback on	Rating					Comments
	1	2	3	4	5	
How effectively did the presentation address the latest trends and innovations in sustainable highway design?					✓	
To what extent did the talk provide practical examples or case studies that you can apply to your own work?					✓	
The location selected was appropriate to meet the stated objectives					✓	
The Teacher/Resource Person discussed subject matter during the expert talk					✓	
How well did the presentation engage with participants and address their questions and concerns?					✓	
Would you recommend this talk to others in the industry?						
Overall Rating:	5 – Rating.					
Any other comments:						

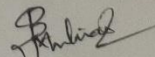
Signature of the Student

FEEDBACK FORM

Title of the Event:	Industry Expert talk on "Sustainable and Innovative Highway Design Techniques and Best Practices"				
Date	26.08.2024, Monday				
Name of the Participant	Basavaraj. S.M				
SRN	R23TK002				

Rating: 5 – Excellent, 4 – Very Good, 3 – Good, 2 – Fair, 1 – Poor

Feedback on	Rating					Comments
	1	2	3	4	5	
How effectively did the presentation address the latest trends and innovations in sustainable highway design?					✓	
To what extent did the talk provide practical examples or case studies that you can apply to your own work?				✓		
The location selected was appropriate to meet the stated objectives					✓	
The Teacher/Resource Person discussed subject matter during the expert talk					✓	
How well did the presentation engage with participants and address their questions and concerns?					✓	
Would you recommend this talk to others in the industry?				✓		
Overall Rating:	4.5					
Any other comments:						


 Signature of the Student

FEEDBACK FORM

Title of the Event:	Industry Expert talk on "Sustainable and Innovative Highway Design Techniques and Best Practices"
Date	26.08.2024, Monday
Name of the Participant	Nethraanjali N.R.
SRN	R23TK006

Rating: 5 – Excellent, 4 – Very Good, 3 – Good, 2 – Fair, 1 – Poor

Feedback on	Rating					Comments
	1	2	3	4	5	
How effectively did the presentation address the latest trends and innovations in sustainable highway design?					✓	-
To what extent did the talk provide practical examples or case studies that you can apply to your own work?					✓	-
The location selected was appropriate to meet the stated objectives					✓	-
The Teacher/Resource Person discussed subject matter during the expert talk					✓	-
How well did the presentation engage with participants and address their questions and concerns?					✓	-
Would you recommend this talk to others in the industry?					✓	-
Overall Rating:	5-					
Any other comments:	It was an excellent session.					

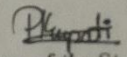
N.R. Nethraanjali
Signature of the Student

FEEDBACK FORM

Title of the Event:	Industry Expert talk on "Sustainable and Innovative Highway Design Techniques and Best Practices"				
Date	26.08.2024, Monday				
Name of the Participant	Pradksha. Ashok. Kupate				
SRN	R23TK007				

Rating: 5 – Excellent, 4 – Very Good, 3 – Good, 2 – Fair, 1 – Poor

Feedback on	Rating					Comments
	1	2	3	4	5	
How effectively did the presentation address the latest trends and innovations in sustainable highway design?					✓	
To what extent did the talk provide practical examples or case studies that you can apply to your own work?					✓	
The location selected was appropriate to meet the stated objectives					✓	
The Teacher/Resource Person discussed subject matter during the expert talk					✓	
How well did the presentation engage with participants and address their questions and concerns?					✓	
Would you recommend this talk to others in the industry?					✓	
Overall Rating:	5					
Any other comments:						


 Signature of the Student

Section:9

Feedback Analysis

The feedback collected from participants of the expert talk on August 26, 2024, provides insights into the effectiveness of the event and highlights areas of success and opportunities for improvement.

1. Content Relevance:

High Appreciation: Participants praised the relevance of the topics covered, particularly the focus on sustainable practices and innovative design techniques. The integration of green infrastructure, recycled materials, and smart transportation systems was noted as particularly valuable.

2. Expert Insights:


Expertise Valued: Attendees appreciated the depth of knowledge shared by the industry experts. The practical examples and case studies provided were well-received and helped bridge the gap between theory and real-world application.

3. Practical Application:

Actionable Information: The practical approach to climate resilience, community engagement, and life cycle assessments was highly valued. Participants felt equipped with actionable strategies to apply in their future projects.

4. Event Structure:

Well-Organized: The event was noted for its well-structured format, which facilitated clear communication and effective knowledge transfer. The organization and flow of the presentation were highlighted as strengths.

<p>Prepared and Documented By Amaranatha G A Assistant Professor</p> <p><i>[Signature]</i> 28/8/24</p>	<p>Verified By</p> <p><i>[Signature]</i> 28/8/24</p>
<p>Approved By</p> <p><i>[Signature]</i> 28/8/24</p> <p></p>	