

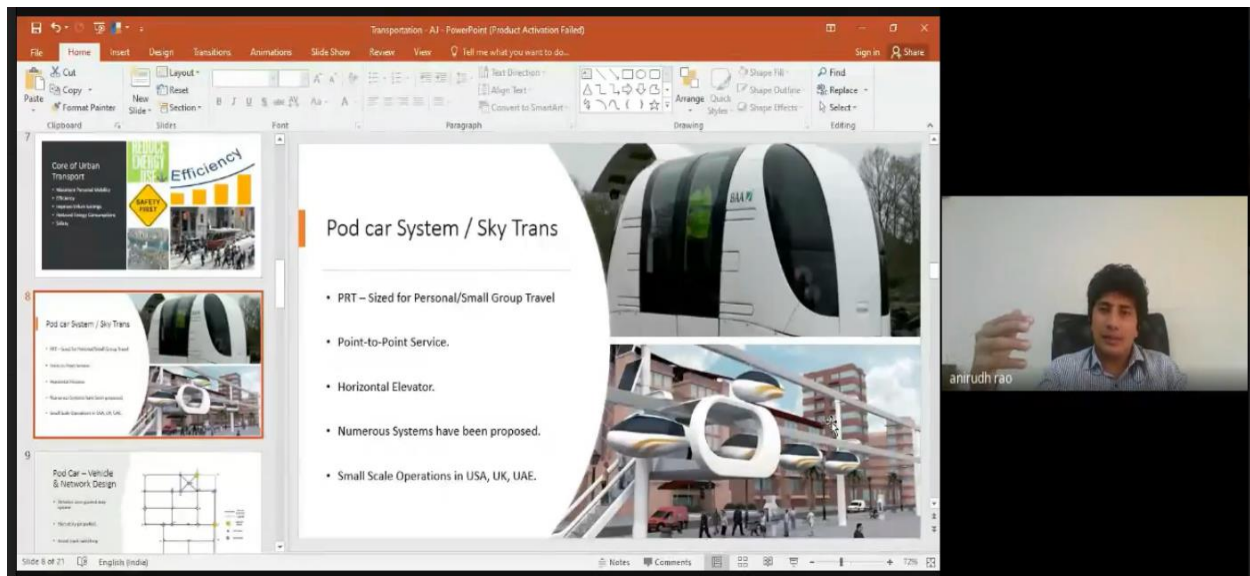


DEPARTMENT OF CIVIL ENGINEERING

REPORT ON THE FDP DAY 1(15th JUNE 2021)

TOPIC: 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING'

An exclusive FDP session of 5 days was organised by the department of Civil engineering on the topic 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING' scheduled on 15th - 19th June 2021.



Day 1 talk on 15th June 2021 was 'Transportation – Ripe for disruption' by Er. Anirudh Rao, Managing Director, Projectile, An Engineering Consultancy & Construction Firm. Mr. Anirudh Rao has done his M. Tech in Transportation Engineering from VTU, Belagavi and has a vast experience in planning, designing and execution of highway projects. In his talk he explained about the future technologies coming out in transportation engineering. He also gave a case study of the project 'Maria Park' in which they designed the road for 7 basements. With the total registrants of 182, an YouTube live streaming of the programme was also made available for the students to gain knowledge from the company expert.

Convener

HOD

Principal



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust®

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

r. Dr. R L Ramesh obtained his Ph.D. from Bengaluru University and is having a vast experience of 23 years in teaching and industry. He has explained in detail about the intelligent transport system and how it can be implemented in future to solve these traffic problems. With the total registrants of 182, an YouTube live streaming of the programme was also made available for the students to gain knowledge from the company expert.

Convener

HOD

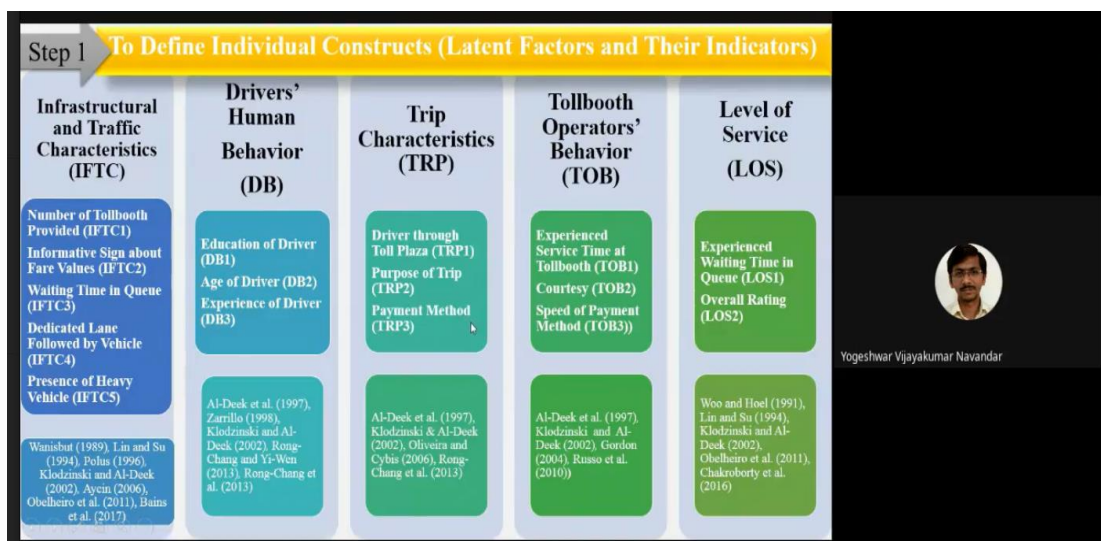
Principal

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON THE FDP DAY 2 (16th JUNE 2021)

TOPIC: “APPLICATION OF OPM AND SCM IN TRANSPORTATION ENGINEERING”

An exclusive FDP session of 5 days was organised by the department of Civil engineering on the topic ‘CURRENT PRACTICES IN TRANSPORTATION ENGINEERING’ scheduled on 15th - 19th June 2021.



Day 2 talk on 16th June 2021 was “Application of OPM and SCM in Transportation Engineering” by Dr. Yogeshwar V Navandar, Associate Professor, Department of Civil Engineering, NIT-Calicut. Dr. Yogeshwar’s was awarded with doctorate for the research work entitled “Traffic Flow Operational Analysis at Manually Operated Toll Plazas under Mixed Traffic Conditions”. Thereafter, he continued his research in analytical studies using SCM and OPM in traffic engineering. This talk has enlightened the participants of the latest technics available for pavement design. He also threw light upon various aspects to be considered, Latent factors and their indicators. His profound knowledge on the topic has been highly appreciated by FDP attendees, which marked a success towards the closure of the FDP sessions. With the total registrants of 182, an YouTube live streaming of the programme was also made available for the students to gain knowledge from the company expert.

Convener

HOD

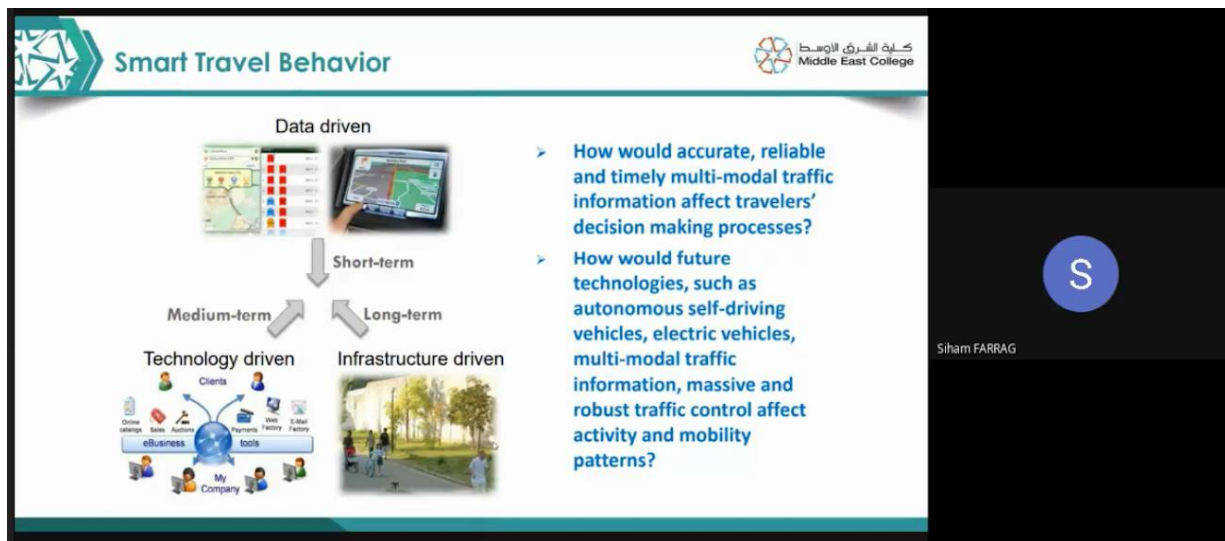
Principal

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON THE FDP DAY 3 (17th JUNE 2021)

TOPIC: 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING'

An exclusive FDP session of 5 days was organised by the department of Civil engineering on the topic 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING' scheduled on 15th - 19th June 2021.



The slide titled "Smart Travel Behavior" from Middle East College features a diagram and two bullet points. The diagram shows a flow from "Data driven" (top) to "Short-term", which then branches into "Medium-term" (Technology driven) and "Long-term" (Infrastructure driven). The "Technology driven" section includes icons for Clients, eBusiness, My Company, and various services. The "Infrastructure driven" section shows a modern road scene. The bullet points discuss the impact of accurate traffic information and future autonomous technologies on traveler decisions and traffic control patterns.

➤ How would accurate, reliable and timely multi-modal traffic information affect travelers' decision making processes?

➤ How would future technologies, such as autonomous self-driving vehicles, electric vehicles, multi-modal traffic information, massive and robust traffic control affect activity and mobility patterns?

Siham FARRAG

Day 3 talk on 17th June 2021 was 'A Future for Transportation' by Dr. Siham G Farrag Senior Lecturer, Middle East College of Engineering, Sultanate of Oman. Dr. Siham has more than 10 years of research experience in the field of transportation and Traffic Engineering. She is working also as researcher in Transportation Research Institute (IMOB), Hasselt University, Belgium, and she has over 15 years' experience in teaching in various higher education institutions in Oman. This talk has enlightened the participants of the latest technology available for Smart Highways and Sensor based traffic management. Her profound knowledge on the topic has been highly appreciated by FDP attendees, which marked a success towards the closure of the third - day FDP sessions. With the total registrants of 177, a YouTube live streaming of the programme was also made available for the students to gain knowledge from the company expert.

Convener

HOD

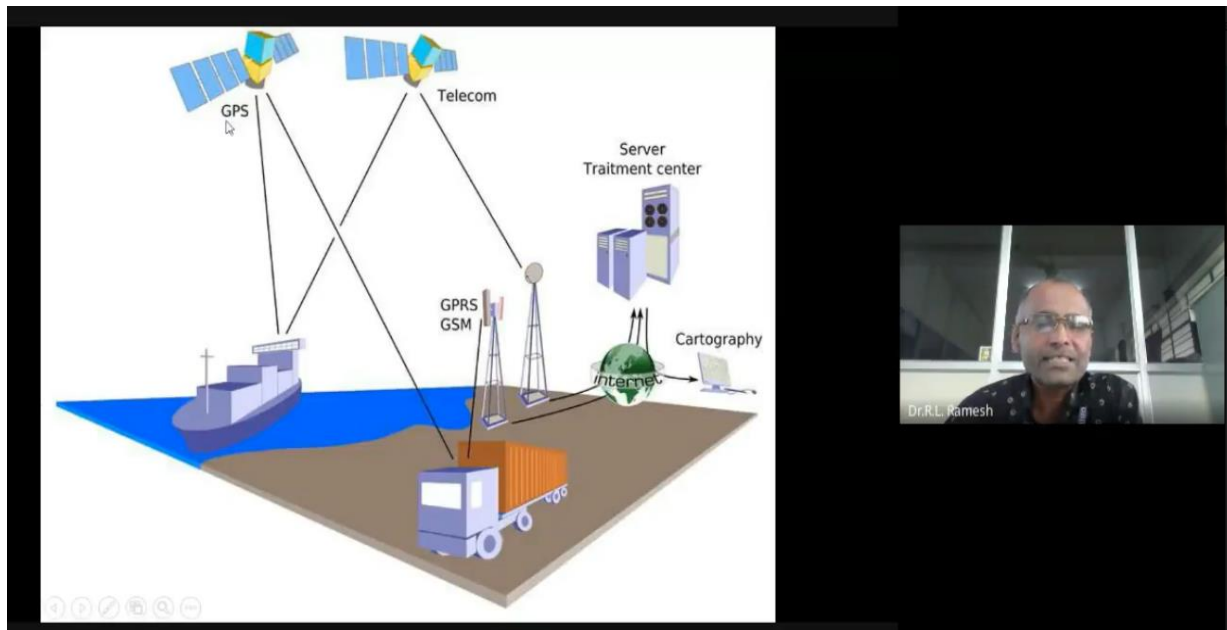
Principal

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON THE FDP DAY 4 (18th JUNE 2021)

TOPIC: 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING'

An exclusive FDP session of 5 days was organised by the department of Civil engineering on the topic 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING' scheduled on 15th - 19th June 2021.



Day 4 talk on 18th June 2021 was 'Intelligent Transportation System' by Dr. R L Ramesh, Professor and Head, Dept. of Civil Engineering, Don Bosco Institute of Technology, Bengaluru and Hon Secretary, ICI Bebgaluru Center. Dr. R L Ramesh obtained his Ph.D. from Bengaluru University and is having a vast experience of 23 years in teaching and industry. He has explained in detail about the intelligent transport system and how it can be implemented in future to solve these traffic problems. With the total registrants of 182, an YouTube live streaming of the programme was also made available for the students to gain knowledge from the company expert.

Convener

HOD

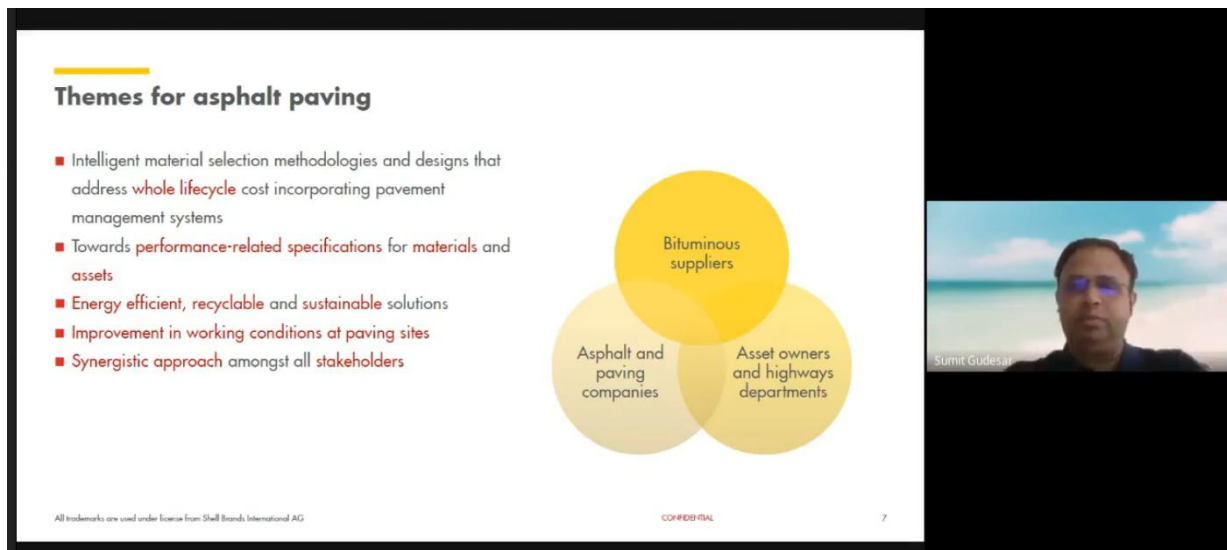
Principal

DEPARTMENT OF CIVIL ENGINEERING

REPORT ON THE FDP DAY 5(19th JUNE 2021)

TOPIC: 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING'

An exclusive FDP session of 5 days was organised by the department of Civil engineering on the topic 'CURRENT PRACTICES IN TRANSPORTATION ENGINEERING' scheduled on 15th - 19th June 2021.



The screenshot shows a presentation slide with the following content:

- Themes for asphalt paving**
- Intelligent material selection methodologies and designs that address **whole lifecycle** cost incorporating pavement management systems
- Towards **performance-related specifications** for materials and assets
- Energy efficient, recyclable and sustainable solutions
- Improvement in working conditions at paving sites
- Synergistic approach amongst all stakeholders

The Venn diagram consists of three overlapping yellow circles labeled: "Bituminous suppliers", "Asphalt and paving companies", and "Asset owners and highways departments".

At the bottom of the slide, it says "All trademarks are used under license from Shell Brands International AG", "CONFIDENTIAL", and the number "7".

A video inset on the right shows Mr. Sumit Gudesar speaking.

Day 5 talk on 19th June 2021 was 'Evolution of Bituminous Technology – An Indian Scenario' by Mr. Sumit Gudesar, Associate Vice President, Tiki Tar & Shell India Pvt Ltd. Mr. Sumit has two decades of experience in the Construction sector and has commendable knowledge about the bitumen and its products. This talk has enlightened the participants of the latest techniques available for pavement design. He also threw light upon various aspects of construction from normal to sub-zero climate scenarios. His profound knowledge on the topic has been highly appreciated by FDP attendees, which marked a success towards the closure of the FDP sessions. With the total registrants of 182, an YouTube live streaming of the programme was also made available for the students to gain knowledge from the company expert.

Convener

HOD

Principal