



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

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On Report


Guest Lecture on “Traffic Flow Models for Urban Roads Under Indian Traffic Condition”

&

“Wastewater Source and Their Characteristics Impacts on Environment and Sustainable Treatment Approach”


Organized on
16th November 2023

Submitted by: Mr. B. Veeresh, Assistant Professor, Department of Civil Engineering, Madanapalle Institute of Technology & Science




MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE


UGC - AUTONOMOUS INSTITUTION




ESTD : 1998



Organized by Builders Club Under




ASCE MITS STUDENT CHAPTER
DEPARTMENT OF CIVIL ENGINEERING




Guest Lecture on

"Traffic Flow Models For Urban Roads Under Indian Traffic Condition"
&
"Waste Water Source and Their Characteristics Impacts On Environment and Sustainable Treatment Approach"



Dr. Narasamma Nippatlapalli
Asst. Professor,
Civil and Environmental Engineering Department
IIT-Tirupati

Date
16/11/2023
Time
2:00PM to 4:00PM
Seminar Hall - B



Dr. Gowri Asaithambi
Associate Professor,
Civil and Environmental Engineering Department
IIT-Tirupati

Chief Patron Dr. N. Vijaya Bhaskar Choudary Secretary & Correspondent	Patron Mrs. N. Keerthi Executive Director	Co-Patron Dr. C. Yuvaraj Principal	
Chief Co-Ordinator Dr. Dipankar Roy HOD, Civil Engineering Department	Faculty Co-Ordinator Dr. Priyam Nath Bhowmik Asst. Professor, Civil Engineering Department	Event Co-Ordinator Mr. B. Veeresh Asst. Professor, Civil Engineering Department	Student Co-Ordinator N. Varshini

Organized by: Builders Club under ASCE MITS Student Chapter, Department of Civil Engineering.

Dignitaries present:

Dr. P. Ramanathan, Vice Principal, Madanapalle Institute of Technology and Science, Madanapalle

Dr. Dipankar Roy, Professor & Head, Department of Civil Engineering & ASCE Faculty Advisor, Madanapalle Institute of Technology & Science, Madanapalle

Dr. Priyam Nath Bhowmik, Faculty Coordinator, Civil Department, Madanapalle Institute of Technology & Science, Madanapalle

Mr. B. Veeresh, Event Coordinator, Civil Department, Madanapalle Institute of Technology & Science, Madanapalle

Resource Persons:

Dr. Narasamma Nippatlapalli, currently working as an Assistant Professor in the Department of “**Civil and Environmental Engineering**” (Environmental Engineering division) at **Indian Institute of Technology Tirupati**. Before joining IIT Tirupati, she was an Assistant Professor at the Indian Institute of Technology Dharwad in the Department of Civil and Infrastructure Engineering. She conducted her MTech thesis work at the Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB) on the Characterization of Municipal Wastewater and Biogas quantification. Dr. Nippatlapalli completed her PhD at IIT Madras. Her research mainly focused on the design of reactors, and degradation of emerging contaminants, per/polyfluorinated (PFAS) compounds, and textile wastewater, pharmaceutical wastewater. She was a postdoctoral fellow at Florida State University (FSU) in the USA.

Awards received

- Institute Best Research Award 2021, IIT Madras
- Bhagya Lakshmi and Krishna Iyengar Award 2021, Best PhD Research in 64th Convocation, IIT Madras, 2021.
- AWSAR Award from the Government of India for proposing a complete solution for “Colored textile wastewater treatment”
- Women Leading IIT Madras, Promising Young Researcher Award, IIT Madras, 202

2) **Dr. Gowri Asaithambi**, is currently working as an Associate Professor in the Department of Civil and Environmental Engineering at IIT Tirupati .She received her PhD from IIT Madras in 2011.Her main research interests are traffic flow modeling and simulation, traffic operations and management and intelligent transportation systems. She ha published more than 75 research papers in international/national journals and conference proceedings. She serves in various editorial boards and has been involved in four sponsored research projects.

Objective of the course

This Session is focused on Traffic Flow Models For Urban Roads under Indian Traffic Condition, Homogenous Traffic, Mixed/Heterogeneous Traffic (Indian Traffic), Traffic Flow Models, Simulation Technique and different types Simulation Technique, Development of a Simulation Model for Urban Arterial Road, and Development of a Simulation Model for Signalized Intersections, Direction for Future Work

Waste Water Source and Their Characteristics Impact on Environmental and Sustainable Treatment Approach. Wastewater sources and differences in characteristics, Emerging Contaminants, Impact on Environment, Conventional Treatments Technologies.

Program details

All the participants were gathered in the seminar hall at 2:00 PM . The inaugural session of this program was honored by The Vice- Principal, Dr. P. Ramanathan Garu. The head of the department (Civil) and The ASCE Faculty Advisor, Dr. Dipankar Roy sir and the faculty Coordinator, Dr. Priyam Nath Bhowmik &

Mr. B.Veeresh sir addressed the Resource person with warm welcome. Dr. Dipankar Roy addressed the students regarding the Traffic Condition & Waste Water source impact on Environmental and Sustainable Approach.

The session was handed over to the guest Dr. Narasamma Nippatlapalli with the beginning of the highlights the waste water sources, Discussed about different waster water source and per Capita water Demand India, and shown central Pollution Board Report,2021, She discussed about Emerging Contaminants and its sources and she tell our Responsibility to save the water, Finally she shown her research area and discussed about industrial wastewater treatment using Electrochemical advanced oxidation and hybrid treatment techniques.

After his lecture the students were given time to interact with him. Students felt that the session was more informative and interactive. And handed over the session to Gowri Asaithambi.

Gowri Asaithambi Started the session about traffic flow Models for Urban Roads Under Indian Traffic Condition, with the overview of the presentation, discussed about homogeneous traffic small proportion of heavy vehicles and follows lane discipline, and she discussed about simulation technique, Simulation models are mathematical or logical representation of real-world system, and advantages of simulation technique and she discussed Direction for future research.

After his lecture the students were given time to interact with him. Students felt that the session was more informative and interactive. At the end of the guest lecture, few students gave their feedback and explained how they were benefit.

Photos:





2nd year

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
Date: 16-11-2023

Guest Lecture

S.No	Roll No.	Civil Engineering II Year-I Semester	Name	Signature
1	22695A0105		K. Bharathi	
2	22695A0108		S. Deepika	
3	22695A0117		T. Pranitha	
4	22695A0102		G. Anuradha	
5	22695A0112		B. Lakshmi	
6	22695A0106		G. Chaitanya	
7	22695A0119		A. Manjika	
8	22695A0106		G. Bharathi	
9	22695A0126		K. Anuradha	
10	22695A0110		R. Anitha	
11	22695A0117		K. Lakshmi	
12	22695A0133		P. Theerthavathi	
13	22695A0122		C. Navya Sree	
14	22695A0114		G. Jayaraj	
15	22695A0105		Y. Anvitha	
16	22695A0101		C. Akhila	
17	22695A0105		P. Anvitha	
18	22695A0109		D. Dilhi prasad	
19	22695A0108		K. Anvitha	
20	22695A0128		B. Anvitha	
21	22695A0127		K. Raja Reddy	
22	22695A0136		V. Venkatesh	
23	22695A0101		C. Anvitha	
24	22695A0110		C. Anvitha	
25	22695A0104		S. Anvitha	
26	22695A0106		S. Anvitha	
27	22695A0105		S. Anvitha	
28	22695A0110		G. Anvitha	
29	22695A0108		M. Anvitha	
30	22695A0128		S. Anvitha	
31	22695A0109		M. Anvitha	
32	22695A0118		P.R. Anvitha	
33	22695A0115		P. Anvitha	
34	22695A0121		B. Anvitha	
35	22695A0123		M. Anvitha	
36	22695A0126		V. Anvitha	
37	22695A0127		M. Anvitha	
38	22695A0107		S. Anvitha	
39	22695A0124		M. Anvitha	
40	22695A0117		P. Anvitha	
41	22695A0123		R. Anvitha	
42	22695A0115		J. Anvitha	
43	22695A0124		K. Anvitha	
44	22695A0109		M. Anvitha	
45	22695A0130		A. Anvitha	
46	22695A0131		N. Anvitha	

2nd year

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
Date: 16-11-2023

Guest Lecture

S.No	Roll No.	Civil Engineering III Year-I Semester	Name	Signature
1	22695A0102		G. Anvitha	
2	22695A0105		M. Anvitha	
3	22695A0101		Y. Anvitha	
4	22695A0112		M. Anvitha	
5	22695A0117		B. Anvitha	
6	22695A0127		K. Anvitha	
7	22695A0131		R. Anvitha	
8	22695A0106		A. Anvitha	
9	22695A0130		M. Anvitha	
10	22695A0132		P. Anvitha	
11	22695A0114		T. Anvitha	
12	22695A0122		S. Anvitha	
13	22695A0129		M. Anvitha	
14	22695A0116		H. Anvitha	
15	22695A0133		Sunny Kumar	
16	22695A0106		V. Anvitha	
17	22695A0126		H. Anvitha	
18	22695A0103		K. Anvitha	
19	22695A0107		H. Anvitha	
20	22695A0110		P. Anvitha	
21	22695A0104		R. Anvitha	
22	22695A0104		A. Anvitha	
23	22695A0111		K. Anvitha	
24	22695A0115		G. Anvitha	
25	22695A0122		G. Anvitha	
26	22695A0101		P. Anvitha	
27	22695A0108		R. Anvitha	
28	22695A0107		S. Anvitha	
29	22695A0110		T. Anvitha	
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4th year

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
Date: 16-11-2023

Guest Lecture

S.No	Roll No.	Civil Engineering IV Year-I Semester	Name	Signature
1	21695A0102		P. Anvitha	
2	21695A0113		M. Anvitha	
3	20691A0104		B. Anvitha	
4	20691A0103		R. Anvitha	
5	20691A0106		K. Anvitha	
6	20691A0108		D. Anvitha	
7	21695A0138		P. Anvitha	
8	21695A0108		C. Anvitha	
9	21695A0117		G. Anvitha	
10	21695A0111		S. Anvitha	
11	21695A0118		M. Anvitha	
12	21695A0131		A. Anvitha	
13	21695A0103		R. Anvitha	
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