



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

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NAAC Accredited with A+ Grade, NIRF India Rankings 2021 - Band: 201-250 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

Report

on

Guest Lecture on “Emerging Technologies in Civil Engineering”

Organized on

25th September 2023

Submitted by: Dr. Swapneel Jaiswal, Sr. Assistant Professor, Department of Civil Engineering, Madanapalle Institute of Technology & Science



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ESTD : 1998



Organized by



ASCE MITS STUDENT CHAPTER
DEPARTMENT OF CIVIL ENGINEERING



Guest Lecture on

"Emerging Technologies in Civil Engineering."



Resource person
Dr. N. VETRIVEL
Head Of The Department (Civil)
MVJ College Of Engineering, Bangalore, Karnataka.

Date
25/09/2023
Time
9:30AM to 12:10PM
Venue
Seminar Hall A

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 & ASCE Advisor	Faculty Co-Ordinator Dr. Swapneel Jaiswal Sr. Asst. Professor, Civil Engineering Department	President M. Manogna MITS-Civil Engineering Society

Organized in association with: 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

Dr. Swapneel Jaiswal, Faculty Coordinator, Civil Department, Madanapalle Institute of Technology & Science, Madanapalle

Resource Persons: N. Vetrivel, D.C.E, B.E, M.Tech, Ph.D, “Civil Engineer - Hydraulics & Water Resources Engineering” More than 16 years of Professional Experience (Teaching and Industry), “Best Teacher & Best Role Model , Best Research Article, A State Rank Holder”, M.Tech from IIT, Madras, Chennai; Ph.D from Anna University, Chennai, Tamilnadu ; 93 percentile in GATE 2006, more than 5 times GATE cleared Aspirant.

Objective of the course

This Session is focused on Emerging Technologies in Civil Engineering. These trends are the future of BIM in civil engineering and majorly include smart tech, green buildings, sustainability, integrated transport systems, modular construction, virtual environments, and much more.

Program details

All the participants were gathered in the seminar hall at 9:30am . The inaugural session of this program was honoured 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. Swapneel Jaiswal sir addressed the Resource person with warm welcome. Dr. Dipankar Roy addressed the students regarding the new technologies in Civil Engineering.

The session was handed over to the guest with the beginning of the highlights are soft computing techniques, Recent Construction Materials, Latest Tools and Equipments, Sustainable resource management and Advancement in Construction. Emerging technologies play a pivotal role in shaping the future of civil engineering through innovative solutions to complex challenges. He discussed about BIM under Building Management System, Augmented Reality where it adds elements to the camera of smart phone, creating the illusion that holographic content is part of the physical world; Artificial Intelligence; Drones in Construction technology; Digital Twins in Construction, Engineering and Architecture; Recent Construction Materials like Artificial sand, sensitive, carbon fibre, 3D printed bricks, Laminated timber...etc. Tunnel Boring Machine where it is used as an alternative to drilling and blasting methods in rock and Pile Testing and Monitoring System.

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 benefitted.

Photos:





Lateral - 23 series.

S.No	Roll Number	Name	Signature
41	23695A0115	P. Nithin	Nithin P. Nithin
42	23695A0107	Richandso Perhar	S. Perhar
44	23695A0116	S. Praveen Kumar	S. Praveen Kumar
45	23695A0123	N. Rama Raju	N. Rama Raju
46	23695A0109	Changathas	Pranathi
47	23695A0118	Pranathi	Pranathi
48	23695A0102	Akhil	Akhil

Regular

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- 103
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26

Lateral

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20

total = 46

3rd year

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

Guest Lecture on Emerging Technologies in Civil Engineering

25/09/2023

Civil Engineering		Signature	
S.No	Roll No	Name of the Candidate	
1	21691A0116	S. madho kumar	S. madho kumar
2	21691A0125	B. saikrishna	B. saikrishna
3	21691A0115	G. Lakshmi Pathi	G. Lakshmi Pathi
4	21691A0112	G. Yamsi Krishna	G. Yamsi Krishna
5	21691A0133	S. Sunny Kumar	S. Sunny Kumar
6	22695A0106	Y. Naveen Kumar	Y. Naveen Kumar
7	21691A0108	P. Chaitanya	P. Chaitanya
8	21691A0143	R. Vamsi Kumar	R. Vamsi Kumar
9	21691A0144	P.V. Nagi Reddy	P.V. Nagi Reddy
10	21691A0109	H. Dadapeer	H. Dadapeer
11	21691A0139	B. Uday Kiran	B. Uday Kiran
12	21691A0147	B. Yaswanth	B. Yaswanth
13	21691A0128	Shakeer Anji	Shakeer Anji
14	21691A0122	C. Teja Theja	C. Teja Theja
15	22695A0111	G. Uday Kiran	G. Uday Kiran
16	22695A0109	M. Siva Kumar	M. Siva Kumar
17	21691A0107	S. Chandrahu	S. Chandrahu
18	22695A0105	S.M. Umam Bashe	S.M. Umam Bashe
19	21691A0137	K. Teja Varadhan Reddy	K. Teja Varadhan Reddy
20	21691A0106	K. Baba Fakrudin	K. Baba Fakrudin
21	22695A0108	A. Raju	A. Raju
22	21691A0126	P. Sai yaswanth	P. Sai yaswanth
23	21691A0110	Y. Dinesh Reddy	Y. Dinesh Reddy
24	21691A0140	M. Uday Kiran	M. Uday Kiran
25	22695A0103	K. Ganga Lakshmi	K. Ganga Lakshmi
26	22695A0113	M. Indhumathi	M. Indhumathi
27	22695A0114	G. Lavanya	G. Lavanya
28	22695A0107	R. Preethi	R. Preethi
29	21691A0131	B. Sravani	B. Sravani
30	21691A0135	R. Swaroopa	R. Swaroopa
31	21691A0146	A. UYSHNAVI	A. UYSHNAVI
32	21691A0134	K. SUSHMITHA	K. SUSHMITHA
33	21691A0124	V. Satrupa	V. Satrupa
34	21691A0138	B. Thejas	B. Thejas
35	21691A0104	C. Amrutha Varshini	C. Amrutha Varshini
36	21691A0112	P. Gnanambika	P. Gnanambika
37	21691A0114	G. Hemalatha	G. Hemalatha
38	21691A0130	M. Shreeja	M. Shreeja
39	21691A0123	A. Sai Bhavya Sree	A. Sai Bhavya Sree
40	22695A0102	G. Revinrini	G. Revinrini
41	21691A0145	M. Vijaya	M. Vijaya

4th year

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Civil Engineering

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S.No	Roll No	Name of the Candidate	Signature
1	21695A0111	G. Hanumanth Reddy	G. Hanumanth Reddy
2	21695A0138	P. Venkatesh Reddy	P. Venkat
3	21695A0102	P. Aneef	P. Aneef
4	21695A0113	M. Kiran	M. Kiran
5	21695A0126	B. Vaswanth Kishore	B. Vaswanth
6	20691A0108	D. Lokesh Sai	D. Lokesh Sai
7	21695A0136	V. Chaitanya	V. Chaitanya
8	21695A0112	N. Jyothi	N. Jyothi
9	21695A0129	B. Kavya	B. Kavya
10	21695A0141	K. Vyshnavi	K. Vyshnavi
11	20691A0115	G. Sai Kumar	G. Sai Kumar
12	21695A0108	M. Devisree	M. Devisree
13	21695A0110	C. Gayatri	C. Gayatri
14	20691A0121	B. Vijaya Lakshmi	B. Vijaya Lakshmi
15	21695A0138	P. Venkatesh Reddy	P. Venkatesh Reddy
16	21695A0106	J. Bhargavi	J. Bhargavi
17	21695A0117	E. Manikanta Reddy	E. Manikanta Reddy
18	20691A0117	B. SMARAN	B. smaran
19	20691A0109	M. Mahendra	M. Mahendra
20	21695A0123	B. Purushotham	B. Purushotham
21	21695A0135	K. Udaya Kiran	K. Udaya Kiran
22	20691A0119	M. Surya Prakash Reddy	M. Surya Prakash Reddy
23	20691A0105	P. Vaswanth Reddy	P. Vaswanth Reddy
24	20691A0113	K. Sai Teja	K. Sai Teja
25	21695A0108	E. Siddik (21695A00128)	E. Siddik
26	21695A0114	Tejananda Reddy	Tejananda Reddy
27	21695A0124	M. Rajasekhari	M. Rajasekhari
28	21695A0121	S. Naveen Kumar	S. Naveen Kumar
29	21695A0114	G. KISHORE	G. KISHORE
30	21695A0118	M. Mohan Naveen	M. Mohan Naveen
31	21695A0103	B. Asif	B. Asif
32	21695A0116	K. Abhilaash	K. Abhilaash
33	21695A0130	N. S. Athar	N. S. Athar
34	21695A0125	A. Ranith Kumar	A. Ranith Kumar
35	21695A0101	Abdul Fahad	Abdul Fahad
36	21695A0127	V. SAI KUMAR	V. SAI KUMAR
37	21695A0182	T. SHIVA SHANKAR	T. Shiva Shankar
38	21695A0134	T. Tejananda Reddy	T. Tejananda Reddy
39	21695A0137	A. Vava Siva Kumar Reddy	A. Vava Siva Kumar Reddy
40	20691A0120	A. Uday Kumar	A. Uday Kumar
41	21695A0139	N. Vijaya Damodar	N. Vijaya Damodar

2nd Year.

Regular

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Civil Engineering

S.No	Roll No	Name of the Candidate	Signature
1.	22691A0124	H. Obul Reddy	Reddy
2	22691A0126	V. Prasad	V. Prasad
3	22691A0137	M. Vinod Kumar	M. Vinod Kumar
4	22691A0131	M. Theerth Kumar	Theerth Kumar
5	22691A0121	B. Nagesh	Nagesh
6	22691A0139	K. Gyanananda	K. Gyanananda
7	22691A0106	S. Asaruddin	S. Asaruddin
8	22691A0104	SK Mohamad Fazal	SK Mohamad Fazal
9	22691A0103	M. Akkula	M. Akkula
10	22691A0109	DBU Prasad	DBU Prasad
11	22691A0119	M. Mahendra	M. Mahendra
12	22691A0123	S. Nyamathulla	S. Nyamathulla
13	22691A0133	P. Theerthavasi	P. Theerthavasi
14	23691A0101	C. Akhila	C. Akhila
15	22691A0111	A. Gowthami	A. Gowthami
16	23695A0127	K. Venkata Sankha	K. Venkata Sankha
17	22691A0122	C. Navya sree	C. Navya sree
18	22691A0117	H. Haritha	H. Haritha
19	22691A0118	H. Haritha	H. Haritha
20	22691A0114	S. Jeevanand	S. Jeevanand
21	22691A0108	G. Dharani	G. Dharani
22	22691A0112	B. Haritha	B. Haritha
23	23695A0106	G. Bhavathi	G. Bhavathi
24	23695A0119	A. Reddy mounika	A. Reddy mounika
25	23695A0102	S. Deepika	S. Deepika
26	23695A0105	K. Bhargavi	K. Bhargavi
27	22691A0105	Y. Aswini	Y. Aswini
28	22691A0125	P. Pavithra	P. Pavithra
29	22691A0117	K. Lahari	K. Lahari
30	22691A0118	M. Likhitha	M. Likhitha
31	23695A0113	P. Mallikarjuna	P. Mallikarjuna
32	23695A0125	N. Sreekanth	N. Sreekanth
33	23695A0101	B. Sai Ram Reddy	B. Sai Ram Reddy
34	22691A0115	C. Jubey	C. Jubey
35	23695A0124	K. Siva Kumar	K. Siva Kumar
36	22691A0118	B. Ranjith Kumar Reddy	B. Ranjith Kumar Reddy
37	22691A0102	K. Ajay Kumar	K. Ajay Kumar
38	22691A0131	V. Venkateswara	V. Venkateswara
39	23695A0114	K. Mahan Kumar	K. Mahan Kumar
40	23695A0111	P. Harsha	P. Harsha
41	23695A0112	M. KUMAR REDDY	M. KUMAR REDDY