



MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE

UGC- AUTONOMOUS INSTITUTION



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
Madanapalle - 517325, Chittoor district, Andhra Pradesh, India.



TERRA

2020-2021

Department of Civil Engineering

ISSUE 2



NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, CST, MECH), MBA, MCA.



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DEPARTMENT OF CIVIL ENGINEERING

MESSAGE FROM PRINCIPAL

I am happy to note that the Civil Engineering Department MITS is showcasing their activities & achievement through the Department magazine "TERRA". I wish them success in their future endeavor!



Dr. C. Yuvaraj.
Principal
MITS,
Madanapalle, AP



Dr. Dipankar Roy
Professor & HOD
Civil Department
MITS,
Madanapalle, AP

FROM H.O.D DESK

We, the Department of Civil Engineering happy to announce the release of our department magazine "TERRA". for the Academic year 2020-2021. I appreciate the department for such an initiative to provide a platform for communicating the innovative ideas of the students and faculty member. This department magazine showcases the numerous events organized by the department of Civil Engineering, the extracurricular, co-curricular, achievements and academic success of the department's students and faculty. This new endeavor is the result of the efforts put in by a dedicated team of teachers and students. I congratulate the Department and the concerned staff members, students and editorial team for the efforts taken by them to bring out this newsletter and making it a grand success.

Editorial Team:

Faculty Coordinator
Dr Avadhoot Bosale S
Sr. Assistant Professor
Mrs. Anitha K
Assistant Professor
Civil Department



ABOUT THE DEPARTMENT

The Department of Civil Engineering is started in the year 2014. The Department offers 4 years B.Tech programme. The course offers a deep insight into the discipline and enables promising engineers to acquire skills required to succeed both individually as well as in Industry. Keeping in view of the technological advancement, the department is fortified by the most qualified and experienced faculty. The department is well equipped with modern laboratories. The B.Tech. Programme under Department of Civil Engineering was Accredited by the National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE)

VISION

- To grow as a globally recognized Civil Engineering Department through cutting-edge education and research to bring sustainable cultural, economic and social growth in the nation.

MISSION OF THE DEPARTMENT

- To provide modern educational tools and techniques to the students in order to enrich them to solve complex civil engineering problems.
- To develop sustainable technologies and solutions for various organizations involved in developmental activities through consultancy and research services.
- To foster the socio-economic and cultural upliftment in the region through formal and informal education.

Conferences Attended

Dr. Mahesh G B, Sr. Asst. Professor, Dept. of CE, attended national level webinar on the topic "Safe Drinking Water" conducted on 31h Dec 2020 by Department of Chemistry, S J C Institute of Technology, Chickballapur-562101.

Academic distinction such as awards/distinctions received

1. Dr. S. Bali Reddy, Associate Professor, Dept. of CE, secured ELITE SILVER positions in 4 week NPTEL online certification for the course "Geosynthetics Testing Laboratory".
2. Dr. A Vinod Kumar, Sr. Asst. Professor, Dept. of CE, secured ELITE SILVER positions in 4 week NPTEL online certification for the course "Geotechnical Engineering Laboratory".
3. Dr. Swapneel Jaiswal, Sr. Asst. Professor, Dept. of CE, secured ELITE positions in 8 week NPTEL online certification for the course "Introductions to Research".
4. Mr. Punitharuban Thirugnanasammandamoorthi, Asst. Professor, Dept. of CE, secured ELITE positions in 8 week NPTEL online certification for the course "Introductions to Research".

1. An Awareness program on “World Water Day” was organized by Department of Civil Engineering on 22nd March 2021 to celebrate world water day and raise awareness of the global water crisis.

The Department of Civil Engineering organized “World Water Day” on 22nd March 2021 to build awareness and involvement of students in protecting water resources around the world. Programme Inauguration: Mr. Dileep Kumar P. and Miss Jyothsna (students of IVth Year Civil Engineering) welcomed all the dignitaries, faculty and students to the programme and expressed their gratitude to the Management and the Principal for giving permission and extending financial support to organize the Programme. The dignitaries then went for lighting the lamp. Welcome speech: Dr Dipankar Roy welcomed the Vice Principal, Heads of all departments, teaching and non-teaching staff, students, press and media to the function. Dr Thulasiram Naidu R. and Dr Ramanathan Palaniappan delivered their speeches on the importance of water in our life and why its conservation is so important. They also discussed the water scarcity issues in southern India. Then, the dignitaries distributed the certificates for the two events which were conducted on the same day i.e. Essay writing and Speech Competition. This was followed by vote of thanks by Mr. Dileep. Events Conducted. The Department of Civil Engineering organized “Speech and Essay Writing Competitions” on 22nd March 2021 due to the occasions of “World Water Day.”



Coordinated by : Dr Biraja Prasad Mishra, & Mr. Balamurugan G., Dept. of Civil Engineering

Faculty development program

All civil engineering teaching and non-teaching staff, attended online five days online faculty development program (FDP) sponsored by TEQIP-III on “Recent Advances in Constructions and Demolition Waste Management” held on 22nd-26th Feb 2021 conducted by NIT Suratkal, Karnataka

Departmental Achievements:

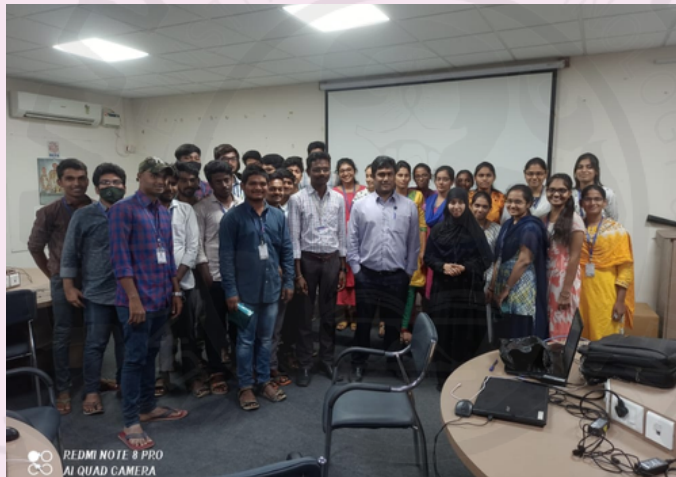
Dr. Mahesh G B, Sr. Asst. Professor, Dept. of CE, secured ELITE SILVER positions in 4 week NPTEL online certification for the course “Electronic Waste Management- Issues and Challenges”.

A Six days workshop on "Revit Architecture"

A Six days workshop on "Revit Architecture" for B.Tech III Year Civil students organized by Department of Civil Engineering and Collaboration with APSSDC on 17th March 2021. Syed Juberia and Mr. K Srikanth are the master trainers of APSSDC. The workshop provides skill on various concepts related to Revit Architecture right from the fundamentals and make the students industry ready. The 32 students registered for this prog



Coordinated by : Dr Bali Reddy, Associate Professor, Dept. of Civil Engineering



Student News

Mr. Saikrishna. K (16691A0143) and Mr. Karthik. P (16691A0115), B Tech 4th year alumini students (passout batch 2020) of Department of Civil Engineering, cracked GATE exam 2021 in civil engineering specialisations.

CONSULTANCY ACTIVITIES IN DEPARTMENT

Department is well equipped with NABL certified laboratories and experienced faculty members to take up consultancy works in different areas of Civil Engineering. The department generated revenue from consultancy works in both private and public sectors. Consultancy is one of the principal mechanisms by civil engineering department through which transfer of knowledge to public, private and third sector groups, and contribute to the growth of the economy and to the needs of society more generally. The provision of expert advice to external clients by the staff is a prominent, through which higher education institutions promote and support productive interaction with business and industry. Consultancy services might include: material testing and offering specialist opinion, advising on technical issues or solving problems for firms. Department of civil engineering can use consultancy to generate additional income, and to engage with new or existing partners. The MITS can derive valuable benefits from civil engineering department by offering consultancy services, including: generating external income, enriching the experience of staff and contributing to teaching and research.



Faculty interaction with outside world 2020-21

Sl. No.	Type of assignment	Details of assignment	Period
Dr. Dipankar Roy			
1	Workshops/ Short Term Course/ Faculty development programme	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE)	01/02/2021 – 05/02/2021
Dr. Avadhoot Bosale			
2	Project Developemnt/Research Work to other University and Organisation labs	Dept. of Civil and Environmental Engineering, Univ. of Strathclyde, Glasgow G11XQ, UK	2020
3	Reviewer in journal	ASCE Journal of Architectural Engineering	2020
4		ASCE-ASME Journal of Risk and Uncertainty in Engineering, systems Part A: Civil Engineering	2020
5	Joint publication in journals	Construction and Building material	2020
6	Members in expert committees	Reviewer and Technical committee member for International Conference on Materials, Mechanics and Structures 2020 (ICMMS2020) @ NIT Calicut	2020
7	Online courses attended	NPTEL and Coursera	2020
8	Publication/Chapter/Books/Conference Papers.	Mechanical and physical properties of cellular lightweight concrete block masonry	2020
Faculty Name : Dr. Vinod Kumar Adigopula			
9	Reviewer in journal	International Journal of Pavement Research and Technology	2021
10	Online courses attended	NPTEL (Silver medal): Geotechnical laboratory	Oct-20
11	Workshops/ Short Term Course/ Faculty development programme	FDP on Pavement design,Construction	25-06-2020 27-06-2020
Faculty Name : Dr. Sudheerkumar Yantrapalli			
12	Reviewer in journal	Journal of Geoscience and Environment Protection	Dec-20
13		International Journal of GEOMATE	Nov-20
14		Transportation Infrastructure Geotechnology	Nov-20

Sl. No.	Type of assignment	Details of assignment	Period
Dr. Joseph Prabhu			
15	Reviewer in journal	Int. J. of Structural Engineering	21-09-2020
Dr. Biraja Prasad Mishra			
16	Joint publication in journals	Static Analysis of Thin Plates: Bare and Stiffened Name of the Journal: INCAS BULLETIN (INCAS – National Institute for Aerospace Research “Elie Carafoli” (under the aegis of The Romanian Academy)) Publisher/Indexing:INCAS BULLETIN/ Scopus	Mar-20
17	Joint publication in journals	Free flexural vibration of thin stiffened plates using NURBS-Augmented finite element method Name of the Journal: Structures (Elsevier) Publisher/Indexing:Elsevier/ SCI	27-May-21
Mr. Mahesh G B, M.Tech. (Ph.D.), Assistant Professor			
18	Members in expert committees	Reviewer and Technical committee member for 6th International Conference on Water Pollution and Treatment July 14-16, 2021 Frankfurt, Germany	2021
19	Joint publication in journals	ENHANCEMENT OF AMETRYN BIODEGRADATION EFFICIENCY USING ANTHRAQUINONE-2,6-DISULPHONATE IN ANAEROBICAEROBIC TREATMENT	2020
20	Online courses attended	Online FDP on "Environmental Geotechnology	2021-1-4 to 2021-1-8
21		"Environmental Geo-Technology" at MITE Moodabidri	01-01-2021
22		webinar on Efficient, economical and environmental friendly use of feoxons oxidation in wash and waste management for Covid 19 virus	01-06-2020
23		Three Day National Level Online Faculty Development Program on "Sustainable Engineering (SE)"	27-29 August, 2020
24		online webinar on "Environment and Sustainable Development	05th June 2020
25	Publication/Chapter/Books/Conference Papers.	"Anaerobic Co-digestion of 2,4-Dichlorophenoxyacetic Acid with Starch and Post Treatment In Aerobic Reactor and Determination of Dominant Bacteria", Book Chapter published in "Lecture Notes in Civil Engineering" 10.1007/978-981-15-6828-2_37,	01-07-2020
26		"Aerobic sludge granulation and enhanced dicamba removal efficiency in the presence of AQS redox mediator during lab scale anaerobic- aerobic treatment methods" Book Chapter in "Wastewater Treatment Reactors: Microbial Community Structure" https://doi.org/10.1016/B978-0-12-823991-9.00018-6 , Elsevier Publishers, (413 – 434), ISBN 9780128239919.	2021

Sl. No.	Type of assignment	Details of assignment	Period
Mr. Swapneel S Jaiswal, M.Tech.			
28	Invited Speaker/Guest Lectures	Invited Guest Lecture at Gramin Sampark Prakashan avem Anusandhan Kendra	7/2/2021
29		Invited Guest Lecture at Gramin Sampark Prakashan avem Anusandhan Kendra	16-12-2020
30	Workshops/ Short Term Course/ Faculty development programme	FDP on "Inculcating Universal Human Values in Techniocal Education Organised by AICTE	01-02-2021 to 05-02-2021
31		FDP on "Part 1 of UHV Refreshre 1", Organised by AICTE	15-02-2021 to 20-02-2021
32		5 days Online Faculty Development Program on Recent Advances in Construction and Demolition Waste Management	22-02-2021 to 26-02-2021
Faculty Name :Dr. Vijayakumar Natesan			
33	Reviewer in journal	Numerical modeling on thin-walled cold-formed steel clip angles subjected to pull-out failures.	07-12-2020
34		Block shear performance of double-line bolted S690 steel angles under uniaxial tension	19-07-2021
35	Publication/Chapter/Books/Conference Papers.	Effectiveness of Web Cleat Bolted Connections for Beam-to-Column CFS Sections, DOI: 10.1016/j.istruc.2021.06.067	20-06-2021
Mr. G. Balamurugan, M.Tech.			
36	Publication/Chapter/Books/Conference Papers.	Prediction of crack width and intermediate-crack-debonding strain of FRP bonded two-way RC slabs –a comparative and novel approach	2021
Faculty Name : Mr. Shiva Prakash MV			
37	Online courses attended	Inculcating Universal Human Values in Technical Education	18 July 2020 to 22 July 2020
38		Building a Business With facebook marketing	Aug 9 , 2 02 1
39		AWS S3 Basics	Aug 9 , 2 02 1
40		Use Canva to Create Desktop and Mobile Friendly Web Page	Aug 9 , 2 02 1
41		Use SurveyMonkey to Create a Survey and Analyze Results	Aug 9 , 2 02 1
42		Azure Synapse SQL Pool - Implement Polybase	Aug 1 0, 2 02 1
43		Introduction to Basic Game Development using Scratch	Aug 1 0, 2 02 1
Faculty Name :Mrs. Kandukuri Anitha			
44	Online courses attended	NPTEL-AICTE, FDP on "Electronic waste management-Issues and Challenges	01-02-2021
45	Workshops/ Short Term Course/ Faculty development programme	Machine learning with impact-IEEE	19th March 2021
46		5 days online FDP on Recent advances in Construction and Demolition waste management -NITK,SURATHKAL	22 Feb 2021 to 26 Feb 2021



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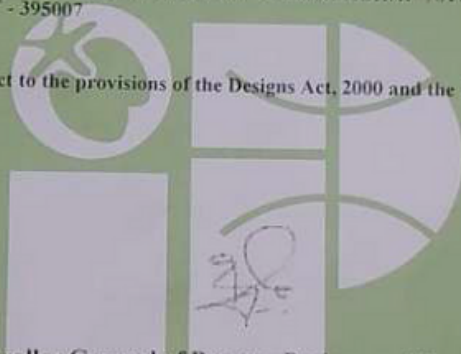
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THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

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Date 12/12/2021 11:39:46
Reciprocity Date*
Country

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-09 in respect of the application of such design to PORTABLE SOIL COMPACTION MOULD in the name of 1.DR. VINOD KUMAR ADIGOPULA, DEPARTMENT OF CIVIL ENGINEERING, ASSOCIATE PROFESSOR, MADANAPALLE INSTITUTE OF SCIENCE AND TECHNOLOGY, MADANAPALLE - 517325 2. DR. RAKESH KUMAR, DEPARTMENT OF CIVIL ENGINEERING, PROFESSOR; SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT - 395007

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C/O CONFEDERATION OF INDIAN INDUSTRY (CII),
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BEGUMPET, HYDERABAD-500016, INDIA

Date of Issue 16/02/2022 12:42:05

Students Achievements for the Academic Year 2020-2021				
S. NO	Roll No	Student Name	Any Student Achievements, Awards, Recognition, Appreciation, Seminar/Workshop	Period
1	19691a0129	D.Phanindra	NCC B Certificate	2020-2021
2	19691a0106	Bhargav T S	NCC B Certificate	2020-2021
3	19691A0144	A. Sudharshan	Python fundamentals for beginners	Mar-20
4	18691A0159	Ghanshyam Tharu	NPTEL Course, Safety in Construcrion	Feb-Apr 2021
5	17691A0101	Peddaputta Arifa	NPTEL Course, Introduction to Research	Sep-Nov 2020
6	17691A0118	Achyutha Harish	NPTEL Course, Introduction to Research	Sep-Nov 2021
7	17691A0123	Jagadeesh Tiruveedhula	NPTEL Course, Introduction to Research	Sep-Nov 2022

The Department appreciates the following students who have volunteered themselves in various departmental activities and events through out the academic year.

Student Volunteers for AY 2020-21		
1	19691A0120	LAHARI A
2	19691A0127	NARASIMHA REDDY. G
3	19691A0133	RAKESH. N
4	19691A0139	SASIDHAR B
5	20695A0101	ADINARAYANA. R
6	20695A0102	BHARGAVA. C
7	18691A0112	HALEEMA SADIYA. N
8	18691A0123	LAKSHMI NARAYANA. K
9	18691A0133	NAGA VAMSI. B
10	18691A0143	REDDY VEDAVATHI. B
11	18691A0146	SONY. P
12	18691A0149	VENKATA BHARGAV. K
13	19695A0102	HARI SAI THEJA. D
14	19695A0107	MAMATHA. D
15	17691A0110	CHANDANA. B
16	17691A0119	HEMANTH. A
17	17691A0130	MAHENDRA NAIK. B
18	17691A0133	NANDINI. K
19	17691A0155	UDAY TEJA. M
20	18695A0104	NATARAJ. M

Student Members of Magazine Committee		
1	19691A0133	RAKESH. N
2	18691A0146	SONY. P
3	18691A0149	VENKATA BHARGAV. K
4	19695A0102	HARI SAI THEJA. D
5	17691A0110	CHANDANA. B
6	17691A0119	HEMANTH. A

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