



RANCHANA

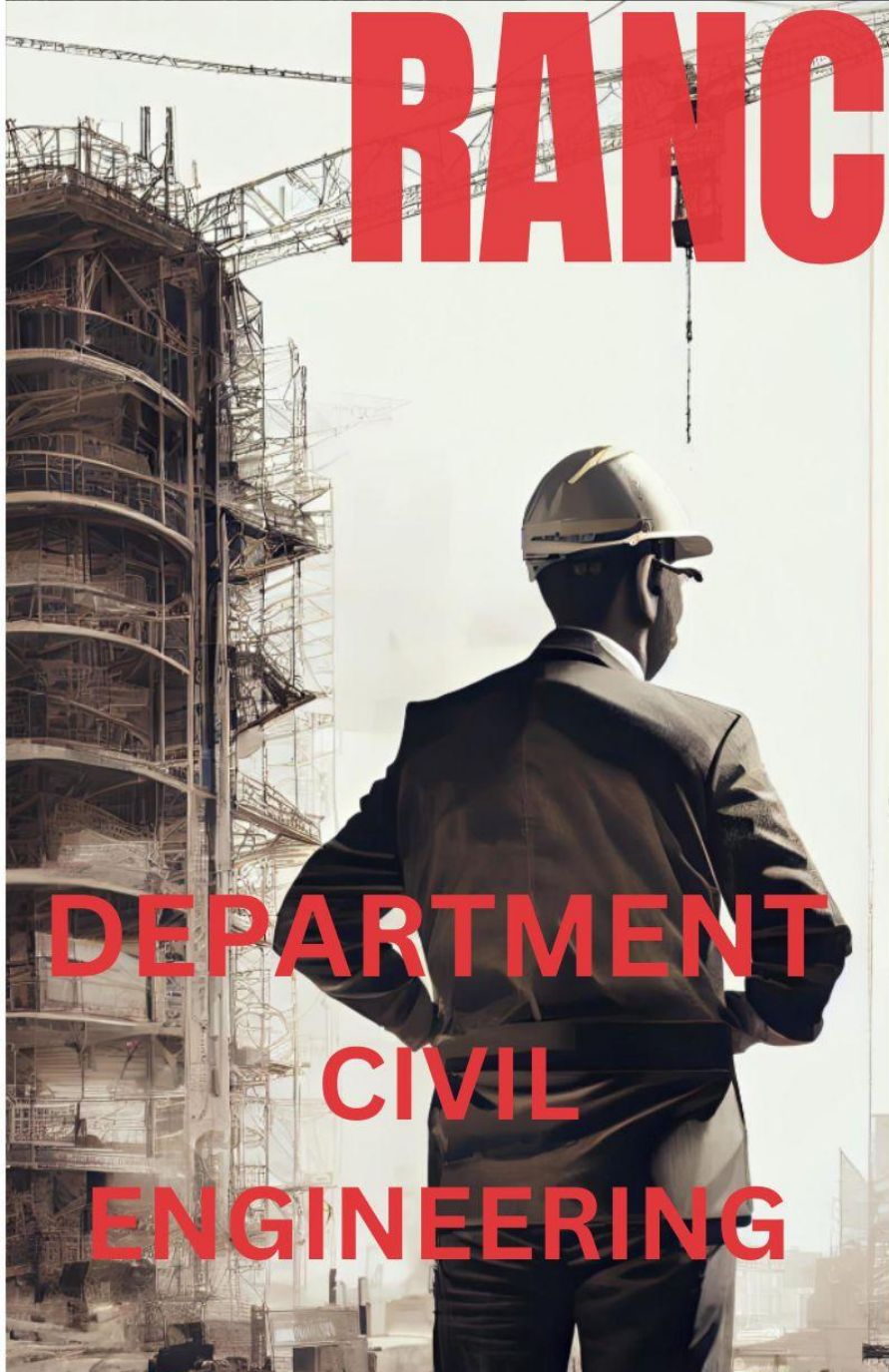
NEWS LETTER

**Madanapalle
Institute of
Technology & Science
(UGC Autonomous Institute)**

**DEPARTMENT
CIVIL
ENGINEERING**

*EDITED BY
N. Radiya*

*Shaik Mahammed Saif,
Rajaka Mano Narasimha,
Paul Daniel Prem*





MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE DEPARTMENT OF CIVIL ENGINEERING

(UGC Autonomous Institution)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2021 - Band: 201-250 (Engg.)
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The Role of AI in Mobility and Smart Cities (TRAMS 2024)

Madanapalle Institute of Technology & Science (MITS) successfully conducted a three-day workshop on “The Role of AI in Mobility and Smart Cities (TRAMS 2024)” from July 25th to 27th, 2024. Organized by the Department of Civil Engineering in collaboration with AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages, the event brought together 135 students eager to explore the intersection of Artificial Intelligence (AI), Machine Learning (ML), and urban development.



The workshop featured esteemed speakers, including Dr. K.V.R. Ravi Shankar (NIT Warangal), Dr. P. Naga Sowjanya (NEC Narasaraopeta), Dr. B. Raghuram Kadali (NIT Warangal), Dr. Prashanth Shekar L (Lea Associates), Dr. Jayakrishna Jammula (CITY Guntur), and Dr. Adithya Kemineni (JBEIT Hyderabad). Key sessions covered topics like AI in traffic management, geospatial technology, sustainable urban planning, and intelligent transport systems, showcasing real-world applications in reducing congestion, optimizing land use, and improving road safety.

The workshop concluded with a valedictory ceremony, where Dr. P. Ramanathan (Vice Principal, Academics, MITS) commended the participants for their engagement. Dr. Sudheerkumar Y and Mrs. Kandukuri Anitha, the event coordinators, expressed gratitude towards the MITS management and AICTE for their support. The event successfully bridged the gap between theoretical knowledge and practical implementation, inspiring students to contribute to AI-driven smart city innovations.



Supported Pos: PO 1 & PO 5

SDG: 4,9,8,11

Editors By

Faculty Coordinator: Dr Nakkeeran.G

Student Coordinators: Shaik Mahammed Saif, Rajaka Mano Narasimha, Paul Daniel Prem, N Radiya



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Tunneling by TBM and NATM

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS), in association with the ASCE MITS Student Chapter, hosted an Alumni Guest Lecture on **“Tunneling by TBM and NATM”** on November 1, 2023. The session featured MITS alumnus Mr. C. Bhargava, an expert in tunneling, who shared insights into modern excavation techniques with an audience of 60 students and faculty members.

The event was inaugurated by Dr. Dipankar Roy (HoD, Civil & ASCE Faculty Advisor), along with Dr. Kiran Kumar R (Alumni Coordinator), Mrs. Kandukuri Anitha, and Dr. Sudheerkumar Y. Mr. Bhargava provided a comparative analysis of Tunnel Boring Machines (TBM) and the New Austrian Tunneling Method (NATM). He explained that TBMs are highly efficient, precise, and suitable for long tunnels, whereas NATM offers cost-effective adaptability to complex geological conditions through real-time monitoring and reinforcement techniques like shotcrete and rock bolts.

The session concluded with an interactive Q&A, where students engaged in discussions on cost-effectiveness, feasibility, and project-specific tunneling methods. The event ended with a vote of thanks by Mr. Venugopal, appreciating the speaker's valuable insights and the support of MITS management for facilitating industry-academic interactions.

The poster is a rectangular banner with a dark red background. At the top, it features the MITS Madanapalle logo on the left and the text 'MITS MADANAPALLE | MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS INSTITUTION)' in the center. Below this, it says 'Angali Madanapalli-517325, Andhra Pradesh, India'. A row of accreditation logos (AICTE, NBA, NAAC, Institution's Council, TUV SUD, NIRF) is displayed. The main title 'Department of Civil Engineering Alumni Guest Lecture' is in white, followed by 'Tunnelling by TBM and NATM' in large, bold, red letters. A circular photo of Mr. C. Bhargava is on the left, with his name and details below it. On the right, a dark red box contains the date and time. At the bottom, three columns list the Chief-Patron, Patron, and Co-Patron, along with their respective coordinators.

MITS MADANAPALLE | MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Angali Madanapalli-517325, Andhra Pradesh, India

ASCE MITS STUDENT CHAPTER
DEPARTMENT OF CIVIL ENGINEERING

**Department of Civil Engineering
Alumni Guest Lecture**

Tunnelling by TBM and NATM

C. Bhargava
Pursuing M.Tech. (NIT Trichi)
B.Tech. Civil Engineering
Batch of 2019-23

Venue
Date :22/07/2024
Timing
4:00PM to 5:00PM

Chief- Patron Dr. N. Vijaya Bhaskar Choudary Secretary & Correspondent	Patron Mrs. N. Keerthi Executive Director	Co-Patron Dr. C. Yuvraj Principal
Chief Co-Cordinator Dr. Dipankar Roy HOD of Civil	Faculty Co-Cordinator Dr. Sudheerkumar Y Sr. Assistant Professor, CED	Faculty Co-Cordinator Mrs. K. Anitha Assistant Professor, CED

Supported Pos: PO 1& PO 5

SDG: 4,12,9



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Road Safety: Role of Road User

In a bid to promote safer road practices, the Builders Club under the Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS) organized an awareness program on "Road Safety: Role of Road Users" on July 25, 2024. The session, held in the institute's auditorium, witnessed an overwhelming

participation of 138 students and aimed at educating future engineers about responsible road behavior and accident prevention.

The event was graced by eminent speakers, including **Dr. K.V.R. Ravi Shankar** (NIT Warangal), **Dr. R. Thulasiram Naidu** (Dean R&D, MITS), and **Dr. Dipankar Roy** (HoD, Civil Engineering, MITS). The resource person, Dr. Ravi Shankar, an expert in traffic safety and transport engineering, delivered an insightful session on road safety measures, accident prevention strategies, and new vehicle technologies that enhance safety. The session covered critical topics, such as:

- Proper use of helmets and seatbelts
- Dangers of signal jumping
- Technological advancements in accident prevention
- Analyzing root causes of road accidents

The interactive session concluded with a Q&A, where students engaged in discussions on developing safer road habits. The event ended with a vote of thanks by Dr. Priyam Nath Bhowmik, who emphasized the importance of spreading road safety awareness beyond the college premises. With young engineers being future road planners, the program successfully instilled a sense of responsibility towards creating safer roads for all.

Supported Pos: PO 6, PO 7, PO 10

SDG: 8,12

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle-517325, Annamayya Dist., Andhra Pradesh
Organized by: Builders' Club (Department of Civil Engineering)

Awareness Program on
Road safety: Role of Road user

Speaker
Dr. K.V.R. Ravi Shankar
Associate Professor
Dept of CE, NIT Warangal

25-07-2024 **Time: 04:00 pm to 05:00 pm** **Venue: Auditorium MITS**

Chief Patron Dr. N. Vijaya Bhaskar Choudary Secretary & Correspondent	Patron Mrs. Keerthi Nadella Executive Director	Program Chair Dr. G. Yuvaraj Principal	Co-Chair Dr. Dipankar Roy Professor & HOD/ CED	Coordinator Dr. Priyam Nath Bhowmik Assistant Professor
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www.mits.ac.in





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RESEARCH TALK

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS), in collaboration with the Research & Development Cell, organized a “Research Talk” on July 29, 2024. Aimed at sparking curiosity and innovation, the session encouraged undergraduate students and faculty members to explore emerging trends in construction technology and sustainable materials.

The event featured two insightful presentations:

- Mr. Pradyut Anand (Assistant Professor, Civil Engineering Dept.) discussed enhancing Autoclaved Aerated Concrete (AAC) with steel wool fibers, construction waste, and alkaline solutions, highlighting how loading rates and accelerated curing impact mechanical performance.
- Final-year student Mr. G. Uday Kiran presented his research on transforming Construction & Demolition (C&D) waste into sustainable building materials, showcasing sample structures made from recycled materials.

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ASCE MITS STUDENT CHAPTER
DEPARTMENT OF CIVIL ENGINEERING

Department of Civil Engineering
In Collaboration With
Research & Development Cell
RESEARCH TALK

Mr. Pradyut Anand (Asst. Professor)
Department of Civil Engineering
Topic: Enhancing the Performance and Mechanical Properties of Autoclaved Aerated Concrete Using Steel Wool Fibers, Construction Waste And Alkaline Solutions: The Role of Loading Rate and Accelerated Curing

Mr. G. Uday Kiran
UG student, 4th Civil, MITS
Topic: C&D Waste into Building Materials

Venue: Seminar Hall-B
Date: 29/07/2024
Timing: 4:00PM to 5:00PM

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 of Civil
Faculty Co-Ordinator: Dr. Nakkeeran G, Asst. Professor, Civil Engineering Department
Student Co-Ordinator: A. Vyshnavi

The session was inaugurated by Dr. Dipankar Roy (HoD, Civil Engineering) and Dr. Tulasiram Naidu (Associate Dean, R&D), who emphasized the importance of research-driven learning. With active participation from students, the event inspired young engineers to pursue research and contribute to sustainable construction practices. The session concluded with a vote of thanks by A. Vyshnavi (Student Coordinator), acknowledging the continuous support from MITS management in fostering research and innovation.

Supported Pos: PO 2

SDG: 4,11



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Industrial Visit to Penukonda Fort

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS), in association with the ASCE Student Chapter, organized an industrial visit to Penukonda Fort on August 10, 2024. The visit aimed to provide students with practical exposure to ancient architecture, space planning, and civil engineering concepts used in historical structures.



A
total
of
110

students from the 2nd and 3rd years, along with faculty members Dr. Nakkeeran G and final-year students, embarked on the journey from MITS at 5 AM, reaching Penukonda Fort by 10 AM. The session commenced with Dr. Nakkeeran G delivering a detailed discussion on the fort's architectural significance, historical evolution, and engineering techniques employed during its construction. Students explored the defensive structures, planning principles, and material usage that made the Vijayanagara-era fort a formidable stronghold.

The interactive visit allowed students to relate theoretical knowledge to real-world applications, enhancing their understanding of structural design and historical preservation. The team concluded the visit at 6 PM, returning to MITS by 9 PM. The successful educational tour provided valuable insights into civil engineering applications in heritage conservation, further igniting students' interest in historical architecture and sustainable construction practices.

Supported Pos: PO 4

SDG: 9



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MANUFACTURING OF CEMENT: THEORY TO THE REALITY

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS), in collaboration with the ASCE MITS Student Chapter and Alumni Cell, organized an Alumni Guest Lecture on “Manufacturing of Cement: Theory to Reality” on October 15, 2024. The session, attended by 100 students and faculty members, featured MITS alumnus Mr. A. Karthik Varma, who provided an in-depth overview of cement production and its real-world industrial applications.

The session began with Dr. Dipankar Roy (HoD, Civil Engineering) welcoming the speaker, followed by Mrs. Kandukuri Anitha introducing Mr. Karthik Varma. The lecture covered the entire cement manufacturing process, from raw material extraction and clinkerization to modern sustainability initiatives. Mr. Varma highlighted the environmental challenges in cement production and discussed innovative solutions such as carbon capture, alternative fuels, and low-carbon cement technologies.

The interactive session allowed students to bridge theoretical knowledge with practical industry insights, leading to discussions on automation, smart manufacturing, and career opportunities in the cement and construction sectors. The session concluded with a vote of thanks by Bhargavi, expressing gratitude to the MITS management, ASCE Student Chapter, and Alumni Cell for facilitating industry-academic collaboration.

Supported Pos: PO 7, PO 8, PO 12

SDG:4

Guest Lecture on “Recent software’s in Civil Industries”



software like Autodesk Revit, AutoCAD, STAAD Pro, ETABS, Primavera P6, and MS Project, highlighting their applications in Building Information Modeling (BIM) and

The ASCE MITS Student Chapter organized a guest lecture on "Recent Software in Civil Industries" on August 12, 2024, at Madanapalle Institute of Technology & Science (MITS). The session, led by Mr. Anjaneya Puli, an international speaker and expert in civil engineering software, introduced students to cutting-edge digital tools used in design, analysis, and project management. The lecture covered essential



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structural analysis. The event emphasized how these tools enhance precision, efficiency, and collaboration in civil engineering projects. With 145 students from the 2nd to 4th year participating, the session provided an interactive platform where students engaged with the speaker, discussing real-world applications and industry trends. The event concluded with a Q&A session, reinforcing the significance of digital transformation in civil engineering.

Supported Pos: PO 5

SDG: 8,9

Awareness Program on “World Organ Donation Day”



The Awareness Program on “World Organ Donation Day” was successfully conducted on August 13, 2024, at Madanapalle Institute of Technology and Science (MITS). Organized by the Builders Club under the ASCE MITS Student Chapter in collaboration with the NSS Unit, the event aimed to educate students on the significance of organ donation, debunk myths, and encourage donor registration. The session featured key dignitaries, including Dr. Priyam Nath Bhowmik, Dr. Dipankar Roy, and Ms. Swetha, the resource person from Venkata Padmavathi College of Physiotherapy. The program,

attended by 130 students, covered topics such as the eligibility for organ donation, its impact on saving lives, and the misconceptions surrounding it. The session was interactive, allowing participants to clarify doubts and gain deeper insights into the noble act. The event concluded with a vote of thanks, recognizing the support of MITS management in making it a resounding success.

Supported Pos: PO 6

SDG: 3

A Guest Lecture on the “ASCE India Section Southern Region Leadership Training Program”



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Madanapalle-517325, Annamayya Dist., Andhra Pradesh





DEPARTMENT OF CIVIL ENGINEERING
ASCE India Section Southern Region Leadership Training Program
Date :-17-08-2024
Venue :-KK Block Seminar Hall

Dr. S.Pradeep
President, ASCE
India Section Southern Region



Chief Patron Dr.N.Vijaya Bhaskar Choudary Secretary & Correspondent	Patron Mrs.Keerthi Madella Executive Director	Program Chair Dr.C.Yuvraj Principal	Co-Chair Dr.Dipankar Roy Professor, HOD(Civil) ASCE Faculty Advisor	Faculty Co-Ordinator Dr.Nakkeeran G Asst. Professor-Civil Engineering Department	Student Co-Ordinator Patron Siddiq Khan President of MITS ASCE Student Chapter
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On August 17, 2024, the Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS) hosted a guest lecture as part of the "ASCE India Section Southern Region Leadership Training Program." Organized in collaboration with the ASCE MITS Student Chapter, the event featured Dr. Pradeep Sivanantham, a distinguished academic and ASCE leader, as the resource person. The webinar aimed to empower ASCE Student Chapter leaders by providing insights into leadership, financial management, and professional growth. With around 80 participants, the session covered strategic goal-setting, team collaboration, and organizational management. The event concluded with an interactive Q&A session and a vote of thanks by Dr. Nakkeeran G. The program successfully enhanced students' leadership skills, fostering a new generation of proactive civil engineering professionals.



SDG: 4.8

SDG: 4

introduction by Ms. Akhila, a third-year B-Tech student, followed by two insightful presentations. Dr. Surya Dev Singh, Assistant Professor, delivered a talk on “Development of a New Non-Polynomial Shear Deformation Theory for Structural Analysis of Plates.” The second presentation, by final-year student Ms. A. Vyshnavi, explored the integration of Building Information Modeling (BIM) with Artificial Intelligence (AI). The event concluded with a vote of thanks



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leaving attendees inspired to explore research further. This initiative successfully encouraged students to engage in scientific exploration and contribute to future innovations in civil engineering.

Supported Pos: PO 2

SDG: 4,9

Professional talk on Recent trends in Ground Improvement Techniques

The poster for the professional talk features the logos of MITS Madanapalle, ASCE Student Chapter, and various accreditation bodies (NAAC, NIRF, NBA, TUV SUD). The title is "Professional Talk on Recent Trends in Ground Improvement Techniques". The speaker is Dr. Venkata Koteswara Rao P, Associate Professor & Head (Civil Engineering) at Vardhaman College of Engineering, Hyderabad. The event is scheduled for 10:00 AM on 15.10.2024, Tuesday, in Seminar Hall A. The organizing body is the ASCE MITS Student Chapter, Department of Civil Engineering in collaboration with IIC. The poster also lists the names and titles of the Chief Patron, Chief Co-ordinator, and other organizers.

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS), in collaboration with the ASCE MITS Student Chapter and the Institution's Innovation Council (IIC), hosted a professional talk on "Recent Trends in Ground Improvement Techniques" on October 15, 2024. Held in the seminar hall from 10:00 AM to 12:00 PM, the session welcomed Dr. Venkata Koteswara Rao P, Associate Professor & Head of the Civil Engineering Department at Vardhaman College of Engineering, Hyderabad, as the keynote speaker. With 90 students in attendance,

the event aimed to deepen their understanding of ground improvement techniques, including soil stabilization, deep mixing, and sustainable construction practices. The talk provided valuable industry insights, helping students connect theoretical knowledge with real-world applications and career opportunities. The session concluded with a vote of thanks by Dr. Sudheerkumar Y, emphasizing the significance of staying informed about advancements in civil engineering.



Supported Pos: PO 4, PO 5 & PO 12

SDG:4



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Celebrating Engineers' Day at MITS



On September 15, 2024, the Department of Civil Engineering at MITS, in collaboration with ASCE MITS Student Chapter, organized a successful Engineers' Day event. The program featured a keynote speech by **Dr. Amaranath Reddy**, who emphasized the role of engineers in shaping society and solving global challenges. With around 80 enthusiastic students in attendance, the event highlighted the

contributions of engineers, particularly honoring Sir M. Visvesvaraya's legacy. The session included discussions on engineering challenges, networking opportunities, and inspiring words for the next generation. A vote of thanks was delivered by Dr. Priyam Nath Bhowmik, marking the event's conclusion. Engineers' Day not only celebrated the profession but also encouraged innovation and excellence among students.



Supported POs: PO 6 & PO 9

SDG: 4

Innovative Ideas Shine at Ideathon Competition



On September 17, 2024, the Department of Civil Engineering at MITS, in collaboration with ASCE MITS Student Chapter, hosted the **Ideathon Competition on Innovative Ideas for Climate Protection** as part of Engineers' Day celebrations. The event provided a platform for young innovators to showcase creative solutions for climate action, aligning with Sustainable Development Goal 13. With enthusiastic participation from school and college students, the

competition featured innovative models and ideas addressing environmental challenges. The event fostered mentorship, knowledge-sharing, and a deeper appreciation for engineering's role in sustainability. Distinguished guests praised the participants' efforts, emphasizing the need for continued innovation. The competition concluded with a prize distribution ceremony, marking another successful initiative towards climate awareness and technological advancement.



Supported Pos : PO 2 PO 3, PO 4 ,PO 5 ,PO 6 ,PO 7, PO 8, PO 9

SDG: 4,7,9



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Inspiring Alumni Talk on Structured Career Growth

Alumni Talk
on
How to Reinforce the Structured Career

P. Karthik
Technical Engineer
Senior Design Engineer
Batch of 2016-20 (B.Tech. Civil Engineering)

Organized By: ASCE MITS Student Chapter, Department of Civil Engineering in Collaboration with ED Cell

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 Ray HOD of Civil & ASCE Faculty Advisor	Faculty Co-ordinator Dr. Sudheer Kumar Y Sr. Asst. Professor, Civil	Student Co-ordinator Mrs. Anitha K Asst. Professor, Civil S.M.ASCE, III Year Civil Engineering

The ASCE MITS Student Chapter, in collaboration with the ED Cell, organized an *Alumni Talk on How to Reinforce the Structured Career* on September 20, 2024. The session featured Mr. P. Karthik, a distinguished alumnus, who shared valuable insights on transitioning from academics to industry in structural engineering. He emphasized mastering core principles, staying updated with technological advancements, and the importance of networking



and mentorship. Around 80 students actively participated, gaining clarity on career paths, certifications, and industry skills. The session motivated students to take charge of their careers with confidence. The event concluded with a vote of thanks by Dr. Sudheer Kumar Y. Overall, it was a highly impactful session, inspiring future engineers to pursue excellence.

Supported Pos: PO 5, PO 6, PO 12

SDG: 4,9

MITS Students Visit CSIR-SERC for Advanced Research Insights



In front of the Vigyan Auditorium



On September 26, 2024, students from the Civil Engineering Department at MITS visited the CSIR-Structural Engineering Research Center (CSIR-SERC) on its open day. The visit aimed to expose students to cutting-edge advancements in structural engineering, including 3D-printable ultra-high-performance concrete, seismic testing, and fatigue analysis. They explored advanced labs focused on earthquake-resistant structures, sustainable materials, and structural health monitoring. Experts

demonstrated innovative research on geopolymers, cement, fatigue testing, and disaster mitigation strategies. The visit provided valuable insights

into bridging the gap between academics and industry research. Students were inspired to pursue further studies in emerging engineering fields. The experience reinforced the importance of innovation in sustainable infrastructure development.





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Supported Pos: PO 4

SDG :4,9,11

Newsletter: Professional Talk on the Role of Civil Engineers

Professional Talk on Role of Civil Engineer at the construction Site

Peketi Koundinya
Director
Peketi Ventures Pvt. Ltd.
Hyderabad, Telangana, India

Organized By: ASCE MITS Student Chapter, Department of Civil Engineering in collaboration with IIC

Chief Patron: Dr. N. Vijaya Bhaskar Choudhary
Secretary & Correspondent: Dr. Dipankar Roy
Chief Co-ordinator: Dr. Dipankar Roy
HOD of Civil & ASCE Faculty Advisor

Patron: Mrs. N. Keerthi
Executive Director

Faculty Coordinator: Mrs. Anitha K
Asst. Professor, Civil

Co-Patron: Dr. C. Yuvraj
Principal

Student Coordinator: Mr. P. Nithin
S.J.M. ASCE, III Year Civil Engineering

The Department of Civil Engineering at MITS, in collaboration with the ASCE MITS Student Chapter and IIC, organized a Professional Talk on *"The Role of a Civil Engineer at the Construction Site"* on October 10, 2024. The session featured insights from Mr. Peketi Koundinya, Director of M/s Peketi Ventures Pvt. Ltd., who shared valuable knowledge about industry expectations, challenges, and career growth opportunities. The event, attended by 50 students, provided a clear understanding

engineer's responsibilities in a professional setting. The talk emphasized continuous learning, problem-solving, and adaptability in the field. Students gained practical insights into navigating real-world construction scenarios and industry demands. The event concluded with a vote of thanks, appreciating efforts of the organizers and the resource person.



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the

Supported Pos :PO 7, PO 8, PO 10 , PO 12

SDG:4,9

Newsletter: Alumni Guest Lecture on Finishers in Residential Buildings

Alumni Talk on Finishers in Residential Buildings

K Dharmateja
Costing Engineer
Sobha Ltd., Bangalore

Organized By: ASCE MITS Student Chapter, Department of Civil Engineering in collaboration with Alumni Cell

Chief Patron: Dr. N. Vijaya Bhaskar Choudhary
Secretary & Correspondent: Dr. Dipankar Roy
Chief Co-ordinator: Dr. Dipankar Roy
HOD of Civil & ASCE Faculty Advisor

Patron: Mrs. N. Keerthi
Executive Director

Faculty Coordinator: Mrs. Anitha K
Asst. Professor, Civil

Co-Patron: Dr. C. Yuvraj
Principal

Student Coordinator: Mr. P. Nithin
S.J.M. ASCE, III Year Civil Engineering

attended by 60 students and faculty members, featured Mr. K. Dharmateja, an esteemed alumnus, as the keynote speaker. Dr. Dipankar Roy inaugurated the session, emphasizing the importance of alumni interactions in bridging academic learning with

The Civil Engineering Department at MITS, in collaboration with the ASCE MITS Student Chapter and Alumni Cell, successfully hosted an alumni guest lecture on *Finishers in Residential Buildings* on October 30, 2024. The event,





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industry applications. Mr. Dharmateja provided in-depth insights into various interior and exterior finishes, flooring, and ceiling materials, highlighting their functional and aesthetic roles in residential construction. The discussion also covered eco-friendly and high-performance materials, aligning with modern sustainable building practices. The interactive session allowed students to engage with real-world applications and industry trends, enhancing their practical knowledge. The event concluded with a vote of thanks, acknowledging the invaluable contributions of the speaker, faculty, and organizers. This session proved instrumental in equipping students with contemporary knowledge and networking opportunities in the construction field.

Supported Pos: PO 1 ,PO 5

SDG:4

MITs Department of Civil Engineering Hosts Research Talk on Thesis Publication and Sustainable Materials

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITs), in collaboration with the Research & Development Cell, successfully organized a Research Talk aimed at fostering academic excellence and promoting sustainable construction materials. The event featured two distinguished speakers—Dr. Nakkeeran G, Assistant Professor in the Department of Civil Engineering, who delivered an insightful session on "From Thesis to

The poster is for a research talk organized by the Department of Civil Engineering in collaboration with the Research & Development Cell. It features two speakers: Dr. Nakkeeran G (Asst. Professor) and Miss. Indu Mathi M (UG student, 4th Civil, MITs). The topics are 'From Thesis to Publication: A Step-by-Step Approach' and 'Rice husk Ash as a cementitious material'. The event is held at Seminar Hall-D on 13/11/2024 from 4:00 PM to 5:00 PM. The poster also lists the Chief Patron (Dr. N. Vijaya Bhaskar Choudary), Patron (Mrs. N. Keerthi), Co-Patron (Dr. C. Yuvaraj), Faculty Co-Ordinator (Dr. Nakkeeran G), and Student Coordinator (A. Vyshnavi).



Publication: A Step-by-Step Approach," and Miss Indu Mathi M, a final-year undergraduate student, who presented her research on "Rice

Husk Ash as a Cementitious Material." Held on November 13, 2024, at Seminar Hall-D, the session provided an excellent platform for students and faculty members to gain valuable knowledge on research methodologies and the potential of eco-friendly alternatives in construction. The event was graced by Chief Patron Dr. N. Vijaya Bhaskar Choudary, Executive Director Mrs. Keerthi Nadella, and Principal Dr. C. Yuvaraj, along with Co-Patron Dr. Dipankar Roy, who also served as the Chief Co-Ordinator. The session was further supported by Faculty Co-





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Ordinator Dr. Nakkeeran G and Student Coordinator A. Vyshnavi. The Research Talk served as an engaging initiative that inspired students to explore innovative research avenues and contribute towards sustainable development in civil engineering.

Supported Pos: PO 4

SDG:4,11

The Department of Civil Engineering at Madanapalle Institute of Technology & Science (MITS), in collaboration with the Research & Development Cell, organized a Research Talk on November 26, 2024, at Seminar Hall A. Dr. Priyam Nath Bhowmik, Assistant Professor, delivered an insightful session on the "Application of Nanomaterials in Flexible Pavement," highlighting the advancements and benefits of

The poster for the Research Talk features the MITS logo and name at the top, followed by accreditation logos (AICTE, NBA, NAAC, TUV, NIRF). The title "RESEARCH TALK" is prominently displayed in red. Below it, the topic "Application of Nanomaterials in Flexible Pavement" is written in blue. The date and time "26 November 2024, 4 PM" and location "Seminar Hall A" are listed. A photo of Dr. Priyam Nath Bhowmik is shown next to his name and title. The bottom section lists the organizers: Chief Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, Co-Patron Dr. C. Yuvaraj, and the coordinators.

nanotechnology in road construction. The event was supported by Chief Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, and Co-Patron Dr. C. Yuvaraj, with coordination from Dr. Dipankar Roy and Dr. Nakkeeran G. This session provided a valuable learning opportunity for students and researchers in sustainable and innovative construction practices.

Supported Pos: PO 4

SDG: 4,11

The poster for the Professional Talk features the MITS logo and name at the top, followed by accreditation logos (AICTE, NBA, NAAC, TUV, NIRF, IIC). The title "Professional Talk on Auto plotter and Road estimator softwares" is prominently displayed in blue. Below it, the speaker's name "V Usharani" and title "Junior Engineer-Highway" are listed. The date and time "04.11.2024, Monday, 02.00 PM" and location "Scale-up classroom (EB-102)" are listed. A photo of V Usharani is shown next to her name. The bottom section lists the organizers: Chief Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, Co-Patron Dr. C. Yuvaraj, and the coordinators.

The ASCE MITS Student Chapter, in collaboration with the Department of Civil Engineering and IIC, organized a Professional Talk on November 4, 2024, at Scale-up Classroom (EB-102). The session was conducted by V Usharani, Junior Engineer-Highway at Infycons Creative Software, Bengaluru, India. The talk focused on "Auto Plotter and Road Estimator Softwares," providing valuable insights into modern road estimation and plotting techniques. The event was supported by Chief

Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, and Co-Patron Dr. C. Yuvaraj, with coordination from Dr. Dipankar Roy and Dr. Sudheer Kumar Y. This session enhanced students' knowledge of advanced civil engineering software applications.



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Supported Pos: PO 5, PO 12

SDG:4

Parents' Meet 2024-25

The ASCE MITS Student Chapter, in association with the Department of Civil Engineering, organized the *Parents' Meet 2024-25* on November 4, 2024, at 10:00 AM in Scale-up Classroom (EB102). This event provided an



opportunity for parents to engage with faculty members and gain insights into their children's academic progress and campus activities. The meet was overseen by Chief Patron Dr. N. Vijaya Bhaskar

Choudary, Patron Mrs. N. Keerthi, and Co-Patron Dr. C. Yuvaraj, with coordination from Dr. Dipankar Roy and Dr. Sudheer Kumar Y. Student Coordinator Nithin P played a key role in the event. The session fostered a stronger parent-institution relationship, ensuring a supportive learning environment for students.



The *Alumni Talk* on Career Opportunities in Civil Engineering & Importance of Developing Leadership Skills was conducted by M. Manogna, a distinguished alumna from the Batch of 2020-24 and Former President of the ASCE MITS Student Chapter. The session took place on November 25, 2024, at 3:00 PM in Seminar Hall C. This event, organized by the ASCE MITS Student Chapter, Department of Civil Engineering, Builders' Club & Alumni Cell, aimed to provide valuable

insights into career prospects in civil engineering and emphasize the significance of leadership skills for professional growth. The session was guided by key faculty members including Chief Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, Co-Patron Dr. C. Yuvaraj, Chief Coordinator Dr. Dipankar Roy, Faculty Coordinator Dr. Priyam Nath Bhowmik, and Student Coordinator Mr. P. Siddi Khan (President, ASCE MITS Student Chapter).

Supported Pos: PO 8, PO 10, PO 11

SDG: 4



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The *Professional Talk* on Quality Control in Construction Clody Dias, Manager at SOBHA Ltd., Bengaluru, was held on October 30, 2024, at 10:00 AM Seminar Hall A. Organized by Builders' Club in collaboration with ASCE MITS Student Chapter & IIC, the session provided valuable insights into maintaining high-quality standards in construction, ensuring durability, safety, and compliance with industry regulations. Key faculty members involved in organizing the event included Dr. N. Vijaya Bhaskar Choudary, Mrs. N. Keerthi, Dr. C. Yuvaraj, Dr. Dipankar Roy, Dr. Sonu Kumar Gupta, and Student Coordinator S. Farha Taj.

The poster for the 'Professional Talk on Quality Control in Construction' features the MITS Madanapalle logo at the top left, followed by the ASCE Student Chapter logo. The title 'Professional Talk on Quality Control in Construction' is prominently displayed in the center. Below the title, the speaker's name 'Clody Dias, Manager, SOBHA Ltd - Bengaluru' is listed. The event details include the date '30.10.2024, Wednesday' and time '10:00 AM'. The organizing bodies are 'Builders' Club, in collaboration with ASCE MITS Student Chapter & IIC'. A list of faculty members and their roles is provided at the bottom, including Chief Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, Co-Patron Dr. C. Yuvaraj, Chief Co-ordinator Dr. Dipankar Roy, Faculty Coordinator Dr. Sonu Kumar Gupta, and Student Coordinator S. Farha Taj.

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Supported Pos: PO 7, PO 8, PO 10, PO 12

SDG :4,9

The poster for '3D BIM Modeling using Revit and Navisworks Manage' features the MITS Madanapalle logo at the top left, followed by the ASCE Student Chapter logo. The title '3D BIM Modeling using Revit and Navisworks Manage' is prominently displayed in the center. Below the title, the training partner 'HABILETE Learning Solutions' is mentioned. The event details include the date '6-11 November 2024' and time '9AM-5PM'. The organizing bodies are 'ASCE MITS Student Chapter, Department of Civil Engineering & ISTE MITS Chapter'. A list of faculty members and their roles is provided at the bottom, including Chief Patron Dr. N. Vijaya Bhaskar Choudary, Patron Mrs. N. Keerthi, Co-Patron Dr. C. Yuvaraj, Chief Co-ordinator Dr. Dipankar Roy, Faculty Coordinator Mr. Vinodh Kumar R, and Student Coordinator A. Vyshnavi.

The ASCE MITS Student Chapter, in collaboration with the Department of Civil Engineering and ISTE MITS Chapter, is organizing a hands-on training session on 3D BIM Modelling using Revit and Navisworks Manage. This comprehensive workshop, scheduled from November 6th to 11th, 2024, at E019, aims to equip participants with industry-relevant skills in Building Information Modeling (BIM). With expert guidance from Habilete

Learning Solutions, attendees will gain practical insights into Autodesk Revit and Navisworks Manage, essential tools for modern construction and infrastructure projects. This training is a valuable opportunity for civil engineering students to enhance their technical proficiency and stay ahead in the evolving field of digital construction.

Supported Pos: PO 1, PO 5,

SDG: 4,9



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The Department of Civil Engineering at MITS, in collaboration with the ASCE MITS Student Chapter and ISTE MITS Student Chapter, organized a guest lecture on "Engineering the Future: A Journey from Defence to Digital Transformation" on November 11, 2024. The event featured distinguished speakers,



A Report on Guest Lecture
"Engineering the Future: A Journey from Defence to Digital Transformation"
Organised by Department of Civil Engineering
In Association with
ASCE – MITS Student Chapter & MITS ISTE Student Chapter
11.11.2024



Dr. Kishore P, Director of Habilete Learning Solutions Pvt. Ltd., Kollam, and Ronnie George Philip, Operation Manager at Ericsson Global Services India. The session provided valuable insights into the technological advancements shaping the engineering industry, with a focus on the transition from traditional defense mechanisms to modern digital innovations. Conducted at Seminar Hall - A, the lecture offered students a unique opportunity to engage with industry experts and understand the evolving landscape of civil engineering and digital transformation.

Supported Pos: PO 1, PO 5

SDG:4



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