



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (MITS)

(Deemed to be University)

NAAC Accredited with A+ Grade, NIRF India Rankings 2025 - Band: 201-300 (Engg.)

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



14 LIFE
BELOW WATER



EVENTS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)



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EVENTS Conducted in MITS by Departments /Cells

January 2024 - December 2024		Weblink	
S.No	Name of the Events	14	
1	A "Research Talk" was organized by Department of Civil Engineering In Collaboration with Research & Development cell on 28th June 2024.	✓	https://mits.ac.in/assets/pdf/civil/Research%20Talk_28.06.2024-min.pdf
2	A "Research Talk" was organised by Department of CIVIL Engineering In Collaboration with The Research & Development cell on 29th July 2024.	✓	https://mits.ac.in/assets/pdf/civil/Research_talk%20session-29-07-2024.pdf
3	A "Research Talk" was organised by Department of CIVIL Engineering In Collaboration with The Research & Development cell on 30th August 2024.	✓	https://mits.ac.in/assets/pdf/civil/Research_talk_session-30-08-2024.pdf
4	A One Day visit to "CSIR - Structural Engineering Research Centre" visited by Department of Civil Engineering on 26th September 2024.	✓	https://mits.ac.in/assets/pdf/civil/CSIR%20-%20Structural%20Engineering%20Research%20Centre.pdf
5	A "Research Talk" was organised by Department of Civil Engineering in Collaboration with The Research & Development cell on 13th November 2024.	✓	https://mits.ac.in/assets/pdf/civil/Report%20for%20Research%20Talk%20-%204%20on%20From%20Thesis%20to%20Publication%20-%20A%20Step-by-Step%20Approach%20on%2013.11.2024.pdf
6	A "Research Talk" was organised by Department of Civil Engineering in Collaboration with The Research & Development cell on 26th November 2024.	✓	https://mits.ac.in/assets/pdf/civil/Report%20for%20Research%20Talk-5%20on%20Application%20of%20Nanomaterials%20in%20Flexible%20pavement%200on%2026.11.2024.pdf
7	A Three Days International Workshop on "Fundamentals and Recent Trends in Intellectual Property Rights, Startup Development, and Research Publication" was organised by Department of Electronics and Communication Engineering in collaboration with MITS IPFC & MITS IEEE Student Branch Chapter (ComSoc) from 27th to 29th November 2024.	✓	Click here for Report on Event
8	A Guest Lecture on "How to Write Research Proposals, Books, and Papers" was organized by Department of Electronics and Communication Engineering in association with ISTE 24th October 2024.	✓	Click here for Report on Event
9	A Guest Lecture on "Design Thinking, Research and Innovation" was organised by Department of Electronics and Communication Engineering in association with Institute Innovation Council (IIC) on 03rd October 2024.	✓	Click here for Report on Event

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January 2024 - December 2024		Weblink	
S.No	Name of the Events	14	
10	An Online Guest Lecture "Smart Grid and Renewable Energy with AI Tools" was organised by Department of Electrical & Electronics Engineering in association with Institute Innovation Council (IIC) on 16th October 2024.	✓	Click here for Report on Event
11	An Online Guest Lecture on "Fundamentals & Applications of Additive Manufacturing" was organised by Department of Mechanical Engineering in association with ISTE, MITS on 01st October 2024.	✓	Click here for Report on Event
12	An Online Guest Lecture on "Pathway to Success: Career Development & GATE Cracking Strategies for NIT, IIT, IISc, and Global Opportunities" was organised by Department of Mechanical Engineering on 23rd August 2024.	✓	Click here for Report on Event
13	A Career Guidance on "National Eligibility Test (NET) & State Eligibility Test (SET) Examinations" for the Academic Year 2024-2025 was organized by Department of Computer Applications on 06th November 2024.	✓	Click here for Report on Event
14	A One Day National Level Technical Symposium EPICS-2K24 (Enthusiastic Professionals in Cyber Security) was organized by Department of Computer Science & Engineering - Cyber Security on 28th March 2024.	✓	Click here for Report on Event
15	A Career Counselling Session on "Current Market Trends in IT" was organized by Department of Computer Science and Engineering - Artificial Intelligence & Machine Learning in association with the ICT ACADEMY on 29th October 2024.	✓	Click here for Report on Event
16	A Seminar on "Intellectual Property Rights" was organized by Department of Computer Science & Technology in association with Institute Innovation Council on 26th November 2024.	✓	Click here for Report on Event



A Report on Seminar "Impact of Hydraulic Structures on Aquatic Life" was organized by Department of Civil Engineering on 01st November 2023.

Objective:

The primary objective of the seminar was to educate students and faculty members about the environmental impacts of hydraulic structures such as dams, weirs, and canals on aquatic ecosystems. It aimed to highlight the challenges and strategies for sustainable design and management of these structures to mitigate their adverse effects on aquatic life.

Description:

The session covered the following key topics:

1. **Overview of Hydraulic Structures:** Introduction to various hydraulic structures and their purposes.
2. **Impacts on Aquatic Life:** Discussion on how hydraulic structures disrupt natural habitats, migration patterns, and spawning grounds of aquatic organisms.
3. **Case Studies:** Real-world examples of aquatic life being affected by large hydraulic projects.
4. **Sustainable Solutions:** Innovative approaches for designing fish-friendly hydraulic structures, such as fish ladders, bypass systems, and flow management techniques.
5. **Policy and Regulations:** Insights into global and local policies aimed at protecting aquatic ecosystems from the adverse impacts of hydraulic structures.

The seminar concluded with an interactive Q&A session, where participants raised pertinent questions and discussed solutions to reduce ecological harm.

Outcomes Achieved:

The seminar achieved the following outcomes:

1. Increased awareness among students and faculty about the ecological consequences of hydraulic projects.
2. Encouragement to incorporate sustainable practices into the design and construction of hydraulic structures.
3. Development of a deeper understanding of the need for policy frameworks to protect aquatic biodiversity.

Participants:

- **Number of Participants:** 65
- **Target Audience:** B.Tech Civil Engineering students and faculty.

Conclusion:

The seminar on "Impact of Hydraulic Structures on Aquatic Life" was a resounding success. It provided valuable knowledge about the ecological challenges posed by hydraulic structures and inspired participants to think critically about sustainable solutions. The Civil Engineering Department plans to organize similar events to further explore the intersections of engineering and environmental conservation.