



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
DEEMED UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

E - Newsletter

"CIVILIANSIGHT"

Oct – Dec 2024

From the HOD's Desk



Dear All,

Welcome to the latest volume of our departmental newsletter, covering October to December 2024. This edition showcases the exceptional achievements and ongoing efforts of our community at the Department of Civil Engineering, MITS-DU Gwalior. From groundbreaking research to student successes and faculty accolades, this newsletter reflects our commitment to excellence in education and innovation. I commend our faculty, students, and staff for their dedication and contributions. Together, let's continue advancing the frontiers of civil engineering.

*Thanks
Dr Sanjay Tiwari*

Editorial Team

Prof. A. K. Saxena
Dr. Prachi Singh
Prof. Ambika Mishra

Archit Shrivastava
(B. Tech 2nd Year)

VISION

To develop Civil Engineers of global standards with leadership skills to serve society.

MISSION

- 1.To foster academic development by offering state-of-the-art technical education at U.G. and P.G. levels through advanced teaching learning methodologies and facilities.
- 2.To impart skills to the students for keeping pace with the advances in techniques and technologies.
- 3.To promote research activities in various fields of Civil Engineering and inter disciplinary areas.
- 4.To provide solutions in various domains of Civil Engineering for societal development.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1 The graduate of the program will have successful career in various domains of Civil Engineering.
- PEO2 The graduate of the program will be able to practice civil engineering in infrastructure industries, public sector undertakings and as an entrepreneur.
- PEO3 The graduate of the program will be able to pursue higher education for knowledge enhancement.
- PEO4 The graduate of the program will be able to exhibit leadership skills, team spirit and ethical practices.

AWARDS AND RECOGNITIONS (FACULTY)

Faculty Publications :-



Dr. Sarvesh Kumar Jain published paper on "Measuring Linkages of Place-Related Constructs at City Scale—A SEM Approach to Perception"; <https://doi.org/10.1007/s40030-024-00847-9>; Authors: Rebecca Singh Jadon, Sarvesh Kumar Jain and Alok Sharma; (SCOPUS)

PhD Awarded between Oct-Dec 2024 :-



Dr. Shyamveer Singh Chauhan was awarded PhD on 3 October 2024 titled fuzzy neural network approach of water quality index in Gwalior chambal region.

NPTEL/ATAL/COURSERA/INTERNSHALA course attended by faculty :-



Dr. Sarvesh Kumar Jain attended the lecture series of NPTEL Course for Advanced Reinforced Concrete Design 12 Weeks July-October 2024 NPTEL (IIT Hyderabad) and achieved topper rank among top 5% of the course candidates.



Prof. Ambika Priyadarshini Mishra attended the lecture series of NPTEL Course for Sustainable Engineering Concepts and Life Cycle Analysis July-Sep 2024 21-11-2024 NPTEL (IIT Kharagpur)

EVENTS: CONFERENCES

Inaugural Session of 6th International Conference on Sustainable and Innovative Solutions for current challenges in Engineering & Technology (ICSISCET-2024) on 26 October 2024 attended by the Head of Civil Department Dr. Sanjay Tiwari and other faculty members. Dr. M K Trivedi chaired a session titled “TS04: Sustainable Computing and Information Technology” in the conference.



GUEST / EXPERT LECTURE EVENTS



Er. Brajesh Singh Tomar (Director, WRM, Ambuja Cements) delivered an expert lecture on 19 October 2024 on topic “Applications of watershed management” for the students of B. Tech 2nd, 3rd and 4th Year, ME and M. Tech organized by the Civil department.

EVENTS: INDUSTRIAL VISIT

The Department of Civil Engineering at MITS-DU in collaboration with Student Chapter(ICI) and Student Chapter(IWWA) hosted an Industrial Visit coordinated by Prof A. K. Saxena and Dr Hemant Shrivastava on 19 October 2024.



Miscellaneous Activities: –

Consultancy Services were provided for different Government and Private Agencies like CPWD, NAGAR PARISHAD, PHE, NEW INDIA & SONS and many other Agencies.

STUDENTS ACHIEVEMENTS/AWARDS

FIRST YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Anurag Singh (BTCE24O1013) B. Tech First Year has successfully completed the Prakruti Parikshan during the campaign Desh Ka Prakruti Parikshan and made the campaign a big success on 17 December 2024.
- Anurag Singh (BTCE24O1013) B. Tech First Year has actively participated in the Swachhta Hi Seva campaign organized by the NSS Units, MITS-DU on 22 December 2024.
- Prajjwal sharma (BTCE24O1066) B. Tech First Year has actively participated in the Swachhta Hi Seva campaign organized by the NSS Units, MITS-DU on 22 December 2024.
- Priyanshu (BTCE24O1070) B. Tech First Year has successfully participated in the workshop on Gender Segregation In Occupation organized by Girls Grievance And Gender Sensitization Cell of MITS - DU held on 26 October 2024.
- Priyanshu (BTCE24O1070) B. Tech First Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Saksham Gurjar (BTCE24O1079) B. Tech First Year has successfully participated in the Quiz Competition organized by the Mathematics Club of MITS-DU as a part of the event celebrating Ramanujan's Legacy held on 23 December 2024.
- Vaidehi Saxena (BTCE24O1095) B. Tech First Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Vaidehi Saxena (BTCE24O1095) B. Tech First Year has successfully participated in the Build IQ State Level Quiz Competition organized by the Soft Civil Club of MITS-DU.

STUDENTS ACHIEVEMENTS/AWARDS

SECOND YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully attended the workshop on Entrepreneurial Milestones organized by the Startup Cell Club of MITS-DU on 19 October 2024.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in the Brain Byte 3.0 organized by the FunTech Club of MITS-DU on 28 October 2024.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in a One Day National Level Workshop on Research Paper Writing organized by the Multidisciplinary Learning & Research Club in collaboration with the ISTE Students' Chapter of MITS-DU held on 22nd November 2024.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in the MITS: The Unseen Beauty held by the Holistic Health Club Of MITS-DU on 14 November 2024.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated and secured 1st Prize as a Winner in the Brain Byte 3.0 organized by the FunTech Club of MITS-DU on 28 October 2024.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated in the Assessment for opportunity of the Build-IQ State-Level Quiz Competition organised by the SOFT CIVIL CLUB MITS-DU.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated in the MITS: The Unseen Beauty held by the Holistic Health Club Of MITS-DU on 14 November 2024.

STUDENTS ACHIEVEMENTS/AWARDS

SECOND YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Archit Shrivastava (0901CE231020) B. Tech Second Year has actively participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Devesh Nigam (0901CE231029) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Isha karkhur (0901CE231048) B. Tech Second Year has successfully participated in the Assessment for opportunity of the Build-IQ State-Level Quiz Competition organised by the SOFT CIVIL CLUB MITS-DU.
- Isha karkhur (0901CE231048) B. Tech Second Year has actively participated as a volunteer in IndieRass Fest 2024 organized by Nutrition Ninja Club of MITS-DU held on 18 & 19 October 2024.
- Isha karkhur (0901CE231048) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Isha karkhur (0901CE231048) has successfully participated in the seminar Career and Aptitude Guidance organized by Nutrition Ninja Club of MITS-DU held on 14 October 2024.
- Mahendra Shukla (0901CE231058) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Pranshu Sharma (0901CE231067) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Pranshu Sharma (0901CE231067) B. Tech Second Year has successfully completed Excel Boot Camp course from Lets Upgrade from 19 to 20 December 2024.

STUDENTS ACHIEVEMENTS/AWARDS

SECOND YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Pranshu Sharma (0901CE231067) B. Tech Second Year has successfully completed AutoCaD -2D Workshop Course from Learn Delta and scored an A Grade in the prescribed final examination conducted by Institute on 21 December 2024.
- Prashant Vyas (0901CE231069) B. Tech Second Year has won 2nd position in the Cultural Quiz in Tulsi Mahotsav 2024 organized by the Hindi Samiti held from 25 to 27 October 2024.
- Ramam Sharma (0901CE231073) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Ramendra Pratap (0901CE231074) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Vishnu Sharma (0901CE231106) B. Tech First Year has successfully participated in the Quiz Competition organized by the Mathematics Club of MITS-DU as a part of the event celebrating Ramanujan's Legacy held on 23 December 2024.
- Naman Shrivastava (0901CE231110) B. Tech Second Year has successfully participated in the seminar Career and Aptitude Guidance organized by Nutrition Ninja Club of MITS-DU held on 14 October 2024.
- Naman Shrivastava (0901CE231110) B. Tech Second Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Abhishek Sars (0901CE221003) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Abhishek Sars (0901CE221003) B. Tech Third Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Abhishek Sars (0901CE221003) B. Tech Third Year has successfully participated in the the Assessment for opportunity of the Build-IQ State-Level Quiz Competition organised by the SOFT CIVIL CLUB MITS-DU.
- Bhupendra Dhakad (0901CE221022) B. Tech Third Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Kartik Chandoriya (0901CE221046) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Malkhan Singh Rajput (0901CE221053) B. Tech Third Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Malkhan Singh Rajput (0901CE221053) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Nikita Kushwah (0901CE221062) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Nikita Kushwah (0901CE221062) B. Tech Third Year has successfully participated in the the Assessment for opportunity of the Build-IQ State-Level Quiz Competition organised by the SOFT CIVIL CLUB MITS-DU.
- Pankaj Singh (0901CE221065) has achieved 1st position in Maha Yuddh Season - 2 Tournament 2024 held on 13 October 2024.
- Prince Bhaskar (0901CE221070) B. Tech Third Year has successfully completed the NPTEL course of Municipal Solid Waste Management with a consolidated score of 66%.
- Prince Bhaskar (0901CE221070) B. Tech Third Year has successfully completed the NPTEL course of Geotechnical Engineering Laboratory with a consolidated score of 71%.
- Raviraj Singh (0901CE221080) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Raviraj Singh (0901CE221080) B. Tech Third Year has successfully completed a three month internship as a Graphic Designer at Podosphere, contributing creatively to the rebranding and design of our website.
- Shubhranshu Mouli Shukla (0901CE221094) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Shubhranshu Mouli Shukla (0901CE221094) B. Tech Third Year has successfully completed the Online Course on Remote Sensing and Digital Image Analysis conducted by the IIRS Dehradun, ISRO Govt. of India.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Shubhranshu Mouli Shukla (0901CE221094) B. Tech Third Year has successfully completed the NPTEL course of Geotechnical Engineering Laboratory with a consolidated score of 56%.
- Surendra Tanwar (0901CE221100) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Surendra Tanwar (0901CE221100) B. Tech Third Year has successfully completed AutoCaD -2D Workshop Course from Learn Delta and scored an A Grade in the prescribed final examination conducted by Institute on 21 December 2024.
- Surendra Tanwar (0901CE221100) B. Tech Third Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Uday Kumar Hirvane (0901CE221101) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.
- Uday Kumar Hirvane (0901CE221101) B. Tech Third Year has successfully completed the Mastering Concrete and Quantity Calculations : 2 Hours Live Webinar course at simplified academy and gaining valuable learnings on 11 December 2024.
- Uday Kumar Hirvane (0901CE221101) B. Tech Third Year has successfully participated in the maths quiz MATHEMANIA organized by the Mathematics Club of MITS-DU conducted on 24 October 2024.
- Vikas Singh (0901CE221104) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Yashank Tomar (0901CE221110) B. Tech Third Year has successfully completed the NPTEL course of Municipal Solid Waste Management with a consolidated score of 60%.
- Yashank Tomar (0901CE221110) B. Tech Third Year has successfully completed the Online Course on Remote Sensing and Digital Image Analysis conducted by the IIRS Dehradun, ISRO Govt. of India.
- Grasima Berware (0901CE233D07) B. Tech Third Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.

FOURTH YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Aastha Verma (0901CE211003) B. Tech Fourth Year has successfully completed the NPTEL course of Municipal Solid Waste Management with a consolidated score of 67%.
- Aastha Verma (0901CE211003) B. Tech Fourth Year has successfully completed internship program of One Stop in AutoCAD Civil from 15 November to 31 December 2024.
- Aastha Verma (0901CE211003) B. Tech Fourth Year has successfully completed the NPTEL course of Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modelling with a consolidated score of 61%.
- Abhyudaya Goswami (0901CE211007) B. Tech Fourth Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.

STUDENTS ACHIEVEMENTS/AWARDS

FOURTH YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Akash Dhakar (0901CE211014) B. Tech Fourth Year has successfully completed the Online Course on Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System conducted by the IIRS Dehradun, ISRO Govt. of India.
- Ashutosh Baghel (0901CE211030) B. Tech Fourth Year has successfully participated in the Code Verse which was organized by Indian Society for Technical Education Students Chapter MITS on 14 November 2024.
- Harshvardhan Singh Bhadouriya (0901CE211060) B. Tech Fourth Year has successfully completed the NPTEL course of Municipal Solid Waste Management with a consolidated score of 66%.
- Harshvardhan Singh Bhadouriya (0901CE211060) B. Tech Fourth Year has successfully completed the NPTEL course of Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modelling with a consolidated score of 67%.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully completed the Online Course on Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System conducted by the IIRS Dehradun, ISRO Govt. of India.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully in seminar Career and Aptitude Guidance organized by Nutrition Ninja Club of MITS-DU held on 14 October 2024.
- Kushagra Shakya (0901CE211071) B. Tech Fourth Year has successfully participated in the National Level Quiz Competition "Energy IQ Challenge" organized by the IEI Student Chapter EED, MITS-DU, held on 29th December 2024 in online mode.

STUDENTS ACHIEVEMENTS/AWARDS

FOURTH YEAR STUDENTS | OCTOBER - DECEMBER 2024

- Kushagra Shakya (0901CE211071) B. Tech Fourth Year has successfully participated in The Viral Quiz(TVQ) organized by IETE Students Forum MITS held from 1 to 3 November 2024.
- Kushagra Shakya (0901CE211071) B. Tech Fourth Year has successfully participated in the the Assessment for opportunity of the Build-IQ State-Level Quiz Competition organised by the SOFT CIVIL CLUB MITS-DU.
- Meenesh Rawat (0901CE211075) B. Tech Fourth Year has successfully participated as a member of club in IndieRass Fest 2024 organized by Nutrition Ninja Club of MITS-DU held on 18 & 19 October 2024.
- Muskan Jayant (0901CE211079) B. Tech Fourth Year has successfully participated and awarded for outstanding performance in IndieRass Fest 2024 organized by Nutrition Ninja Club of MITS-DU held on 18 & 19 October 2024.

ME/ M TECH STUDENTS | OCTOBER - DECEMBER 2024

- Rishabh Kumar and Abhishek Thapak completed ME/M Tech during Oct-Dec 2024

Media Coverage :-



The Air Force as a part of Air Force Day Celebrations, organized an event Abhivvyakti 2024 at Air Force Station, Gwalior on 13 October 2024. The event consisted of three competitions: Music Band Competition, Group Dance Competition and Group Skit. The Students of MITS-DU participated in the Music Band and Group Dance competition, where Bandish: The Music Club of MITS secured First position in the music band competition with a cash prize of Rs. 15,000 and Dance Club secured Second position in the group dance competition with a cash prize of Rs.10,000. The student of Civil Engineering **Ayushi Saraswat** from **3rd Year** participated for this event.



The Nritya Sangam - The Dance Club of MITS secured 1st position in Solo Dance and 1st position in Group Dance at the 19th UDBHAV UTSAV - 2024 an International Dance Festival

Miscellaneous :-

- Prof. Archana Tiwari Professor at Civil Engineering Department has been retired on 30 November 2024. The department wishes her a joyous retirement filled with gratitude for his years of invaluable service.
- Dr. MK Trivedi in Central Facilities assigned as the Exam Controller this year 2024.