# E-NEWSLETTER

# "CIVILIAN-SIGHT"

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## Message:
H.O.D, CIVIL ENGINEERING

Dear Friends,

Civil Engineering Department is imparting technical education since 1957 and progressively achieving its vision and mission. Modern methods of teaching and learning are adopted and more practical-based activities are given importance to the students so that more job opportunities could be generated for the students.

## Editorial Team:

Prof. Archana Tiwari
Dr. Prachi Singh
Dr Hemant Shrivastava

**Students Involved:**
Ashmit Tripathi (B.Tech)
Chitranshi Shrivastava (B.Tech)

# 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 a 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.

# ➡ Award/Prize Received by Faculty

- **Dr. M.K. Trivedi** Received Institutional Meritocracy Award for Year 2022 for significant contribution in Research.

- **Dr. Prachi Singh** Received Institutional Meritocracy Award for Year 2022 for significant contribution in Research.

- **Dr. Abhilash Shukla** Received Institutional Meritocracy Award for Year 2022 for significant contribution in Research.

- **Dr. Prachi Singh** Received International Best Researcher Award for Year 2023 by World Scientific Research and publications Pvt. Ltd., UK

# ➡ Projects Undergoing

- **Dr. M.K. Trivedi** is working as Principal Investigator for project titled **"Source apportionment of the fine particulate matter in ambient air"** under Institute Research Scheme.

- **Dr. Prachi Singh** is working as Principal Investigator for project titled **"Determination and assessment of heavy metal concentration in road dust."** under Institute Research Scheme.

- **Dr. Abhilash Shukla** is working as Principal Investigator for project titled **"Performance enhancement of mortar containing recycled fine aggregate."** under Institute Research Scheme.

- **Dr. Abhilash Shukla** is working as Co-Principal Investigator for project titled **"Development of design parameter and acceptance criteria for use of UHPC of compressive strength between 150 and 200 MPa."** under Border Road Organization agency.

# ➡ Faculty Publications

- Kamal Sharma, **Manoj Kumar Trivedi** (2023). Statistical Analysis of Delay-Causing Factors in Indian Highway Construction Projects under Hybrid Annuity Model. Transportation Research Record, 0(0). https://doi.org/10.1177/03611981231161594

- Kamal Sharma, **Manoj Kumar Trivedi** (2023), "Discrete OBNSGA III Method Based Robust Multi-Objective Scheduling Model for Civil Construction Projects". Asian Journal of Civil Engineering (Springer) 10.1007/s42107-023-00638-w

- Kamal Sharma, **Manoj Kumar Trivedi** (2023), "Modelling the Resource Constrained Time-Cost-Quality-Safety Risk-Environmental Impact Trade-Off using Opposition Based NSGA III". Asian Journal of Civil Engineering (Springer). https://link.springer.com/article/10.1007/s42107-023-00696-0 .

- Sanjay Kumar Vaishnav and **Dr Manoj Kumar Trivedi**, (2023). Performance assessment of sustainable mortar mixes using recycled fine aggregate obtained from different processing techniques. Environ Dev Sustain (2023). https://doi.org/10.1007/s10668-023-03202-3.

- Nayak, M., **Shukla, A**., Vaishnav, S., " Effect of binary and ternary blending of cement on properties of recycled aggregate concrete." Journal of Physics Conference series: 2484 012014, IOP Publishing, pp 1-8.

## ➡ Expert Talk Delivered

- **Dr Abhilash Shukla** delivered lectures in "Quality Control in construction" Training program organized by MPPWD (Gwalior Division)

## ➡ Book Chapter / Book Published with DOI number

- **Prachi Singh (eds.) (2023).** *Environmental Processes and management: Tools and Practices for Groundwater.* Springer, Switzerland. 10.1007/978-3-031-20208-7.

- Sharma, Kamal., Soni, Anurag., **Trivedi, M.K**. (2023). A Particle Swarm Optimization-Based Model for Quality–Safety Trade-Off Optimization Under Constraint Duration and Cost of Construction Project. In: Venkata Rao, R., Taler, J. (eds) *Advanced Engineering Optimization Through Intelligent Techniques*. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-9285-8_12.

## ➡ Patent Published

- **Dr Prachi Singh** published an Indian Patent, title**: A WASTE WATER TREATMENT UNIT WITH ZEOLITE CONVERTOR REACTOR BED**, Patent No. 384077001. May 2023

# Students Achievement

- **Aditya Kaushal B.Tech 1st Year** successfully participated in an online Quiz Competition on **"Republic Day "** conducted by the **ASIMOV ROBOTICS CLUB MITS**.

- **Raviraj Singh B.Tech 1st Year** participated in **"Taare Zameen Par 2.0"** organized by **Artistry, Art Club MITS** on 8th February 2023.

- **Raviraj Singh B.Tech 1st Year** completed a 7-Days Free boot camp on **"Harry Potter Invisibility Cloak with Python and OpenCV"** conducted by **devTown** in January 2023.

- **Surendra Tanwar B.Tech 1stYear** successfully participated in the **"Finance IQ-Inter College Quiz Competition "** conducted by the **Department of Engineering Mathematics and Computing** under the umbrella of **Finance Club** in collaboration with **StockGro on 2nd February 2023**.

- **Vikas Singh B.Tech 1st Year** successfully participated in the event **"Holi -Day "** organized by the **IOT Club MITS** on the occasion of HOLI.

- **Aastha Verma B.Tech 2ndYear** successfully participated in the **"Finance IQ-Inter College Quiz Competition "** conducted by the **Department of Engineering Mathematics and Computing** under the umbrella of **Finance Club** in collaboration with **StockGro on 2nd February 2023**.

- **Aastha Verma B.Tech 2nd Year** participated in the conduct of a one-hour workshop on **"Live Industrial Program on Trending Technologies and Development"** on February 2023.

- **Aastha Verma B.Tech 2nd Year** participated in **"QUIZTRIOTIC"** organized by **IETE Student's Forum MITS** Gwalior on January 26th, 2023.

- **Abhishek Kumar Tiwari B.Tech 2nd Year** participated in **"Engineer's Kitchen"** organized by **Nutrition Ninja Club** on 11th February 2023.

- **Adarsh Singh B.Tech 2nd Year** successfully participated in the **"Finance IQ-Inter College Quiz Competition "** conducted by the **Department of Engineering Mathematics and Computing** under the umbrella of **Finance Club** in collaboration with **StockGro on 2nd February 2023**.

- **Adarsh Singh B.Tech 2nd Year** for Actively participating in **"PROLIFIC "** National level competition to promote Digital Art conducted **by ISTE STUDENTS' CHAPTER MITS from 19th to 23rd March 2023**.

- **Akshita B.Tech 2nd Year** participated in **"Engineer's Kitchen"** organized by **Nutrition Ninja Club** on 11th February 2023.

- **Krapank Dixit B.Tech 2nd Year** participated in the webinar **"The Young Entrepreneur"** organized by **IETE Students' Forum MITS** on 28th February 2023.

- **Nikhil Singh Yadav B.Tech 2nd Year** for **"Winning Stumble Jumble Gaming"** event which was organized by **Skyroads Gaming Club** on 26th March 2023.

- **Nikhil Singh Yadav B.Tech 2nd Year** for completing 7-day boot camp with **Dev Town** on **"PYTHON for Beginners"** conducted by **Developer Student Clubs**.

- **Nikhil Singh Yadav B.Tech 2nd Year** participated in the webinar **"The Young Entrepreneur"** organized by **IETE Students' Forum MITS** on 28th February 2023.

- **Nikita Mishra B.Tech 2nd Year** participated in **"Engineer's Kitchen"** organized by **Nutrition Ninja Club** on 11th February 2023.

- **Nikita Mishra B.Tech 2nd Year** completed **"The Fundamentals of Digital Marketing"** conducted by **Google Digital Garage** on 1st January 2023.

- **Vandana B.Tech 2nd Year** participated in **"Engineer's Kitchen"** organized by **Nutrition Ninja Club** on 11th February 2023.

- **Mohit Shrivastav B.Tech 3rd Year** participated in **"The National Level online Quiz on Emerging Technology"** conducted on the occasion of **MITS Day** on 10th March 2023.

- **Mrigendra Singh Patel B.Tech 3rd Year** successfully participated in the **"Finance IQ-Inter College Quiz Competition "** conducted by the **Department of Engineering Mathematics and Computing** under the umbrella of **Finance Club** in collaboration with **StockGro on 2nd February 2023**.

- **Somyadeep Varshney B.Tech 3rd Year** successfully participated in the **"Finance IQ-Inter College Quiz Competition "** conducted by the **Department of Engineering Mathematics and Computing** under the umbrella of **Finance Club** in collaboration with **StockGro on 2nd February 2023**.

- **Somyadeep Varshney B.Tech 3rd Year** successfully participated in **"Prelims 1"** of the Wipro Earthian Sustainability Quiz, 8th Edition.

- **Somyadeep Varshney B.Tech 3rd Year** successfully participated in **"Prelims 2"** of the Wipro Earthian Sustainability Quiz, 8th Edition.

- **Somyadeep Varshney B.Tech 3rd Year** successfully participated in **"Pre-Quarter Finals"** of the Wipro Earthian Sustainability Quiz, 8th Edition.

- **Chirag Singh Yadav B.Tech 4th Year** for Actively participating in a workshop "अंतरिक्ष प्रौद्योगिकी और इसके अनुप्रयोग" conducted by **IIRS Outreach Programme** on 10th January 2023.

- **Chirag Singh Yadav B.Tech 4th Year** participated in **"The National Level online Quiz on Emerging Technology"** conducted on the occasion of **MITS Day** on 10th March 2023.

- **Chirag Singh Yadav B.Tech 4th Year** successfully attended the "Road to Web Development" seminar conducted by the **Digital Learning Group at Madhav Institute of Technology** on 17th February 2023.

- **Chirag Singh Yadav B.Tech 4th Year** successfully attended the seminar on **"How to start your career as a product manager"** conducted by **Digital Learning Group at Madhav Institute of Technology** on 5th March 2023.

- **Nikhil Sharma B.Tech 4th Year** completed the NPTEL course **"Waste to Energy Conversion"** with an ELITE Certificate in January-March 2023**.**

- **Shivani Shukla B.Tech 4th Year** successfully completed the **"G-20 Summit Quiz"** conducted by **MyGov & Ministry of Education**.

- **Shivani Shukla B.Tech 4th Year** completed the **"Quiz on Women Empowerment Participation in Indian Armed Forces"** conducted by the **Ministry of Defence & MyGov**.

- **Shivani Shukla B.Tech 4th Year** completed the **"Space Quiz"** conducted by **MyGov & ISRO**.

- **Vaibhav Sikkewal B.Tech 4th Year** completed **"The Quiz on Lifestyle for Environment"** conducted by **MyGov & Ministry of Education**.

- **Vaibhav Sikkewal B.Tech 4th Year** completed **"The Swachh Bharat Mission Grameen Phase-II Quiz"** conducted by the **Department of Drinking Water Sanitation & MyGov.**

## ⇨ Miscellaneous

- **Dr. R Kansal** as DSW monitor all club activities in the institute.