



CIVIL ENGINEERING DEPARTMENT

E - NEWSLETTER

“CIVILIANSIGHT”

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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. Jayvant Choudhary
Prof. Mohit Aggarwal

Students Involved:

Amit Uikey (B.Tech. 4th Year)
Himanshi Agrawal (B.Tech. 3rd 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.

PEO 4 The graduate of the program will be able to exhibit leadership skills, team spirit and ethical practices.

Departmental Achievement

- U.G. Program - Civil Engineering has been successfully accredited by National Board of Accreditation (NBA) for a period of 3 years (2021 – 2024), the online accreditation visit by the expert committee of evaluators was done during 19 – 21 Feb. 2021.
- Civil Engineering department executed Consultancy and Material Testing Works aggregated to amount of INR 13,01,696/- during Jan-March 2021.

FDP/STC/Workshop Attended (Outside the Institute)

- **Dr. R. Kansal** attended National workshop on “Transition from traditional to blended learning: Challenges & Opportunities-I” jointly organized by IQAC-adhav Institute of Technology and Science, Gwalior & Manav Rachna University, Faridabad, Haryana on 23.01.2021.
- **Prof. Nupur Verma** participated in online National workshop series on “ Transition from traditional to blended learning: Challenges & Opportunities-I” jointly organized by IQAC-MITS, Gwalior & Manav Rachna University, Faridabad, Haryana on 23.01.2021.

NPTEL/ATAL/COURSERA/Internshala Course attended by faculty

- **Prof. Aditya Kumar Agarwal** attended & successfully completed online NPTEL AICTE FDP on “Plastic Waste Management” and earned Elite + Silver Certificate (Jan-March 2021)
- **Prof. Mohit Aggarwal** attended & successfully completed online ATAL FDP on “Environmental Geotechnology" from 04.01.2021 to 08.01.2021 at National Institute of Technology, Surathkal.

Activity Organized

- **Dr. R. Kansal** organized a Technical webinar on “An overview of National Highways Development Project (NHDP): Issues and Seamless Implementation” in association with Indian Concrete Institute (Gwalior Chapter) on 31st January, 2021.

Expert Talk Delivered



- Prof. D. Rastogi delivered expert talk on “Water Conservation Techniques” on 22 March 2021 during World Water Day Celebrations organized in association of IWWA Gwalior Centre and IEI centre Gwalior.



- Prof. D. Rastogi delivered expert talk on “Traffic Awareness” on 25 March 2021 during Rural NSS Camp at Swami Vivekananda Neeadam, Gwalior.

Projects Undergoing

- **Dr. Pankaj Kumar** is undertaking a TEQIP CRS Project on Non-linear Mechanics of Elasto-Flexible Cables using Placement Model.
- **Dr. Manoj Trivedi** is undertaking a project on “Development of optimum front for Time-Cost trade-off for construction projects (RPS AICTE)”.
- **Dr. Manoj Trivedi** is undertaking a project on “Multi-objective optimization in construction projects using NSGA III (IRS TEQIP3)”.
- **Dr. Manoj Trivedi** has submitted a project on “Development of an algorithm for Source identification of particulate matter observations in ambient air on the basis of heavy metals in Gwalior region. (RPS AICTE)”.
- **Prof. Aditya Kumar Agarwal** is undertaking a project on “Development of rationalized Water Quality Index” (TEQIP – IRS).

Faculty Publications

- **Prof. G. Bhadoriya**, “Strength Analysis of Concrete by Using Copper Slag with Replacement of Fine Aggregate” International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P-ISSN 2349-5138 (Journal No. 43602) & 5.75 Impact Factor, Volume & Issue 1, 02/02/2021
- **Prof. Aditya Kumar Agarwal & Pawan Singh**, “Color Removal of Waste Water Treatment Plant in the Vicinity of Gwalior and some suggestions to improve performance” International Journal for Research in Applied Science & Engineering Technology (UGC approved), ISSN No. 2321-9653, Vol. 9, Issue II Feb 2021, DOI- 10.22214/IJRASET.
- **Dr. M.K. Trivedi & Sharma K.**, “Development of Multi-Objective Scheduling Model for Construction Projects Using Opposition-Based NSGA III”, J. Inst. Eng. India Ser. A (2021). <http://dx.doi.org/10.1007/s40030-021-00529-w>
- **Dr. M.K. Trivedi, Dr. Sanjay Tiwari and Adhish Singh Bhadoria.**, “Optimization of risk and disputes in public private partnership in construction industries”. IJRAR (Feb-2021) Volume 8, Issue 1.

Students Achievement

- A total of **27 students** have qualified Graduate Aptitude Test in Engineering (GATE) 2021 organized by IIT Bombay, and **Mr. Rishab Dev** achieved the highest AIR of 492.
- **Aishwary Dwivedi**, Btech 1st Year, participated in “Kingfall 2.0” chess tournament conducted by Sports club.
- **Shiv Kumar**, B.Tech 1st Year, participated in “Clean India Green India cycle rallies” conducted by Rotary club, Patrika Group, Dainik Bhaskar Group.
- **Mohit Singh**, B.Tech 2nd Year, organized “Talktonik” under Digital Learning Group MITS.
- **Mohit Singh**, B.Tech 2nd Year, •co-ordinator in “Technical Skills V/S Management & Marketing” conducted by Digital Learning Group MITS.
- **Mohit Singh**, B.Tech 2nd Year, organized “Game Of Science” conducted by Science Club MITS.
- **Nipurn Runij**, B.Tech 3rd Year, organized webinar of our alum Mr. Hemsingh Patle author of “5 Mins Habits” under Digital Learning Group.
- **Nipurn Runij**, B.Tech 3rd Year, organized Robotics Workshop under Digital Learning Group
- **Nipurn Runij**, B.Tech 3rd Year, organized an online techfest “Failure in Civil Structure” under Digital Learning Group.
- **Shashwat Agrawal**, B.Tech 3rd Year, participated in 23rd M. P. State shooting championship, Indore (10m pistol championship junior men individual)
- **Shashwat Agrawal**, B.Tech 3rd Year, worked as Assistant Total Station Surveyor for surveying “Construction of High-Level Bridge including Approach Road across Tamas river on Goriaya-Rahuta-Garhawa-Barti Khurd road, Satna under Vindhya Construction Company Rewa from Jan-March 2021.
- **Siraj Khan** , B.Tech 3rd Year, worked as a Business Development Intern at Finolearn from March to April 2021.

Activity under NSS

- Prof. D. Rastogi participated in 7 days Rural NSS Camp at Swami Vivekanand Needam, Gwalior between 22/03/2021 to 28/03/2021 and also delivered an expert lecture there.

Media Coverage

इंटरनेशनल लेवल पर भी मौके

बीटेक के बाद आपको प्राइवेट और पब्लिक सेक्टर में जॉब करने के कई मौके मिलेंगे। भारत में कई टॉप सेरामिक कंपनी हैं, जहां अच्छे पैकेज पर काम कर सकते हैं।

इंटरनेशनल लेवल पर भी मौके हैं। आप बिजनेस कर सकते हैं।

आपकी सेलरी एजुकेशन और एक्सपीरियंस पर बेस्ड होगी। सिरेमिक टेक्नोलॉजी में डिग्री रखने वाला स्टूडेंट शुरुआत में 25 हजार से लेकर 50 हजार प्रति माह तक कमा सकता है।

प्रो. डॉ. एमके त्रिवेदी,
एमआइटीएस, ग्वालियर

