



## **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

**Students Involved:**  
Himanshi Agrawal (B.Tech. 4<sup>th</sup> 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

- Civil Engineering Department inaugurated a new club “**S.O.F.T Civil Club**” in September 2021.
- Civil Engineering department executed **Consultancy and Material Testing Works** aggregated to amount of INR 6,17,067/- during July-Sept 2021.

## Award/Prize Received by Faculty

- **Prof. Aditya Kumar Agarwal** received Certificate of Appreciation for being recognized as NPTEL Discipline Star by NPTEL.

## Projects Undergoing/Completed

- **Dr. Manoj Trivedi** has completed a Project on "Multi-objective Optimization in Construction Projects using NSGA III", (TEQIP – IRS)
- **Dr. Manoj Trivedi** is undertaking a project on "Development of Optimum Front for Time-Cost Trade-Off in Construction Projects “ (RPS).

## Workshop/FDP/STC/Conference Organized

- **Prof. Aditya Kumar Agarwal** organized One Week STC on Environment Modelling and Practices under AICTE QIP during 21-26 December, 2021 as Coordinator.
- **Dr. Prachi Singh** organized One Week STC on Environment Modelling and Practices under AICTE QIP during 21-26 December, 2021 as Coordinator.
- **Dr. Manoj Trivedi** organized One Week STC on Environment Modelling and Practices under AICTE QIP during 21-26 December, 2021 as Convenor.

## FDP/STC/Webinar Attended by Faculty (Outside the Institute)

- **Dr. Jayvant Choudhary** Completed Five Day Faculty Development Program on "Transportation Geotechnics and Materials for Sustainable Infrastructure" organized by Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur on 13/12/2021 to 17/12/2021.
- **Dr. Chayan Gupta** Completed Five Day Faculty Development Program on "Transportation Geotechnics and Materials for Sustainable Infrastructure" organized by Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur on 13/12/2021 to 17/12/2021.

## Faculty Publications

- **Aditya Kumar Agarwal**, Aditya Singh Tomar, Jay Singh Rajput, Statistical Evaluation of Indoor Air Qualities in the Laboratories of a technical Institute presented in International Conference ICSISCET 2021 Held at MITS Gwalior In November 2021
- **Aditya Kumar Agarwal**, Aditya Singh Tomar, Monitoring of Concentration of PM10 and PM2.5 in Indoor Air in the Laboratories of a Technical Institute, IJISRT, Nov 2021, Vol 11, Issue 6
- Avinash Rathore and **Manoj Kumar Trivedi** (2021), "Delay Factor Analysis for Indian HAM Highway Construction Projects". International Journal for Research in Applied Science and Engineering Technology (IJRASET). <https://doi.org/10.22214/ijraset.2021.39242..>

## NPTEL/ATAL/COURSERA/Internshala Courses Attended by Faculty

- **Dr. Jayvant Choudhary** participated and successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Experiential learning in Geotechnical Engineering" from 06/12/2021 to 10/12/2021 at Visvesvaraya National Institute of Technology
- **Dr. Jayvant Choudhary** successfully attended and completed 12 weeks NPTEL AICTE FDP course on "Introduction to Multimodal Urban Transportation Systems" for Jul-Oct, 2021.
- **Dr. Prachi Singh** successfully attended and completed 12 weeks NPTEL AICTE FDP course on "Wastewater Treatment and Recycling" for Jul-Oct, 2021.
- **Dr. Sanjay Tiwari** successfully attended and completed NPTEL AICTE FDP course on "Optimization Methods for Civil Engineering" for Jul-Oct, 2021.
- **Prof. Aditya Kumar Agarwal** successfully attended and completed 12 weeks NPTEL AICTE FDP course on "Municipal Solid Waste Management for Jul - Oct, 2021.
- **Prof. Gautam Bhadoriya** successfully attended and completed 12 weeks NPTEL AICTE FDP course on "Infrastructure Planning and Management" for Jul - Oct, 2021.
- **Prof. Sarvesh Kumar Jain** successfully attended and completed 12 weeks NPTEL AICTE FDP course on "Dynamics of Structures" for Jul – Oct, 2021.
- **Dr. Chayan Gupta** Participated and successfully completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Experiential learning in Geotechnical Engineering" from 06/12/2021 to 10/12/2021 at Visvesvaraya National Institute of Technology
- **Dr Hemant Shrivastava** attended ATAL FDP on Earthquake Resistant Design and Construction Practices, from 29/11/2021 - 3/12/2021, UIT RGPV, Bhopal

## Activity Organized

- Civil Engineering Department (Coordinator **Dr Hemant Shrivastava**) along with Indian Concrete Institute Gwalior Chapter organized webinar on “Design and Construction of Flexible Pavement ” on 04.12.2021.

## Expert Talk Delivered

- **Dr. Sarvesh Kumar Jain** delivered expert lecture on “Earthquake Resistant Design by Base Isolation: Concept and Applications” on 02-09-2021 organized by Architecture Department, M.I.T.S. Gwalior

## Students Achievements

- **Anshul Asati B.Tech 4<sup>th</sup> Year** successfully completed a 12 weeks “Mitacs Globalink Research Internship” in October 2021 at École de technologie supérieure – Montréal (online)
- **Himanshi Agrawal B.Tech 4<sup>th</sup> Year** coordinated in organizing 2-days “Garba Nights” on October 21 and 22, 2021.
- **Himanshi Agrawal B.Tech 4<sup>th</sup> Year** organized “Online Zumba Masterclass” on November 16, 2021.
- **Himanshi Agrawal B.Tech 4<sup>th</sup> Year** organized workshop on “Bentley STAAD. PRO and CSI ETABS” on November 19 and 20, 2021.
- **Loveleen Yadav B.Tech 4<sup>th</sup> Year** organized workshop on “Bentley STAAD. PRO and CSI ETABS” on November 19 and 20, 2021.



- **Samiksha Sharma B.Tech 4<sup>th</sup> Year** Coordinated in organizing 2-days “Garba Nights” on October 21 and 22, 2021.
- **Samiksha Sharma B.Tech 4<sup>th</sup> Year** Organized “Online Zumba Masterclass” on November 16, 2021.
- **Himanshu Jha B.Tech 3<sup>rd</sup> Year** Secured position in top 5% of NPTEL Course “Integrated Waste Management for Smart City”
- **Prabhat Sharma B.Tech 3<sup>rd</sup> Year** Organized “Right on Track 2021”, under Sports club MITS held on October 15<sup>th</sup> to 20<sup>th</sup> 2021.
- **Shivani Rathore B.Tech 3<sup>rd</sup> Year** successfully qualified the round 1 of “National Engineering Olympiad 5.0” conducted in December.
- **Vaibhav Sikkewal B.Tech 3<sup>rd</sup> Year** Participated in “5<sup>th</sup> National Engineering Olympiad” conducted in December.
- **Vikas Dhakar B.Tech 3<sup>rd</sup> Year** Attended “One day National Workshop on Cyber Security Issues and it’s Strategic Rescue Solutions for Electric Utilities” organised by National Power Training Institute, Shivpuri on October 30, 2021.
- **Yash Rathore B.Tech 3<sup>rd</sup> Year** worked as a student coordinator for webinar on “Energy Conservation Day” held on December 14,2021.
- **Aman Mourya B.Tech 2<sup>nd</sup> Year** Secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- **Aniket Thakur B.Tech 2<sup>nd</sup> Year** Coordinated the workshop on “Bentley STAAD. PRO and CSI ETABS” on November 19 and 20, 2021.

- **Mohit Shrivastava B.Tech 2<sup>nd</sup> Year** completed online course on “Python for Data Science, AI and Development” through Coursera
- **Mohit Shrivastava B.Tech 2<sup>nd</sup> Year** completed online course on “What is Data Science?” through Coursera.
- **Nikita Mourya B.Tech 2<sup>nd</sup> Year** participated in online “Writing Competition” conducted by October Sky (Rocket Club) MITS, on November 10, 2021.
- **Shiv Kumar B.Tech 2<sup>nd</sup> Year** secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- **Shourya Pratap Singh Chauhan B.Tech 2<sup>nd</sup> Year** secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- **Ganga Rai B.Tech 1<sup>st</sup> Year** participated in “The Fasttrack Internship” held from November 27 to November 30, 2021, by Idigitalpreneur Academy.
- **Ganga Rai B.Tech 1<sup>st</sup> Year** attended the workshop on “Bentley STAAD. PRO and CSI ETABS” on November 19 and 20, 2021
- **Pranjal Dubey B.Tech 1<sup>st</sup> Year** secured Runner-up Position in “R.G.P.V. Gwalior Nodal Cricket Tournament” held on December 27 to December 31, 2021
- **Raman Sharma B.Tech 1<sup>st</sup> Year** participated in “Decrypt It” - The Treasure Hunt organised by ASIMOV Robotics Club, MITS on November 6 and November 7, 2021
- **Raman Sharma B.Tech 1<sup>st</sup> Year** attended “Workshop on Java” organized by Electronics Club, MITS, on December 26, 2021.
- **Utkarsh Singh Tomar B.Tech 1<sup>st</sup> Year** secured Runner-up Position in “R.G.P.V. Gwalior Nodal Basketball Tournament” held on December 24, 2021



## Miscellaneous

- **Prof. Archana Tiwari** conducted NEC for IV Sem students on “Organic Farming”.
- **Dr. Jayvant Choudhary** reviewed a manuscript titled "Accelerated curing potential of cold mix asphalt using silica fume and hydrated lime as filler" International Journal of Pavement Engineering, Taylor and Francis publication.
- **Dr. Jayvant Choudhary** reviewed a manuscript titled "Structural Behaviour of Fly Ash-Based Geopolymer for Roller Compacted Concrete Pavement" Journal of Materials in Civil Engineering, ASCE publication.