



## 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 Chaudhary

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

- **Department of Civil Engineering** Organized one day workshop on "Traditional and Innovative Practices in Construction Management" on 26/03/2022.

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

- **Dr Rajeev Kansal** IP Awareness/Training program under National Intellectual Property Awareness Mission / 1 Day/ 27 Jan. 2022 / Controller General Patents, Design & Trademarks, Govt. of India
- **Dr Prachi Singh** attended Two week STTP on "AICTE student learning assessment in association with CIDC (Parakh)" from 10 Jan.2022 to 23 Jan. 2022
- **Dr Prachi Singh** attended Three days STC on "Statistical Package for the Social Science" organized by Shodhyantri Engineering Services from 07 Jan.2022 to 09 Jan. 2022
- **Dr Prachi Singh** participated in one week Professional development program for faculty (virtual mode) on "Materials in Civil Engineering" organized by Vignan Institute of technology and Science, Hyderabad from 21 March 2022 to 26 March 2022
- **Dr Chayan Gupta** attended Two week STTP on "AICTE student learning assessment in association with CIDC (Parakh)" from 10 Jan.2022 to 23 Jan. 2022
- **Dr. Chayan Gupta** attended Five Days International Faculty Development Program on "Advancement of Technology in Civil Engineering" held from 28/02/2022 to 05/03/2022 at Anand International College of Engineering, Jaipur.
- **Dr. Chayan Gupta** attended Five Days Faculty Development Program on "Recent Trends and Advancements for Sustainable Development" held from 08/03/2022 to 12/03/2022 at University College of Engineering, Banswara.
- **Dr. Chayan Gupta** attended One Week Online Faculty Development Program on "Application of AI in Water Resource Management AAWRM-2022" held from 07/03/2022 to 11/03/2022 organized by Rajkiya Engineering College, Sonbhadra.
- **Dr. Jayvant Choudhary** attended Five Days International Faculty Development Program on "Advancement of Technology in Civil Engineering" held from 28/02/2022 to 05/03/2022 at Anand International College of Engineering, Jaipur.
- **Dr. Jayvant Choudhary** attended One Week Online Faculty Development Program on "Application of AI in Water Resource Management AAWRM-2022" held from 07/03/2022 to 11/03/2022 organized by Rajkiya Engineering College, Sonbhadra.

- **Dr. Jayvant Choudhary** attended Five Days Faculty Development Program on "Recent Trends and Advancements for Sustainable Development" held from 08/03/2022 to 12/03/2022 at University College of Engineering, Banswara.
- **Dr Hemant Shrivastava** attended AICTE-QIP Sponsored One Week Online STC on "National Education Policy: Implementation Strategies in Engineering & Technology Institutions", 21.3.2022 to 25.03.2022, MITS Gwl.
- **Dr Abhilash Shukla** attended Two week STTP on AICTE student learning assessment in association with CIDC (Parakh) from 10 Jan.2022 to 23 Jan. 2022

## Patent Published

- **Singh, Prachi et. al**, Machine Learning-Based Recommendation System for Crop Farming . Indian Patent 202211011056. Indian Patent and Trademark Office, 18 March 2022.

## Faculty Publications

- Rajput, J.S., and **Trivedi, M.K.**, “Determination and assessment of elemental concentration in the atmospheric particulate matter: a comprehensive review.” Environ Monit Assess 194, 243 (2022). <https://doi.org/10.1007/s10661-022-09833-9.2>.
- Kamal Sharma, Anurag Soni and **Manoj Kumar Trivedi** (2022), "A Particle Swarm Optimization based model for Quality, Safety trade-off optimization under constraint duration and cost of construction project."
- **Prachi Singh**, "IoT Based Environment Friendly Public Dustbin for Smart Cities", Journal of Architecture and Technology, Vol. 14, Issue 3, pp: 193-199, Mar. 2022, DOI: <https://doi.org/10.37896/JXAT14.03/314718> (SCOPUS).
- **Jayvant Choudhary** published a technical paper titled "Revisiting Current Indian Guidelines for the Selection of Mineral Filler: Need and a Way Forward based on the International Review" in Journal titled "Indian Highways" published by Indian Road Congress, New Delhi.
- **Abhilash Shukla** “Comprehensive review on utilization of waste foundry sand in concrete”, European Journal of Environmental and Civil Engineering, Vol. 26 DOI <https://doi.org/10.1080/19648189.2022.2070778>



## Projects Undergoing

- **Dr. Manoj Trivedi** is undertaking a project on "Source apportionment of the fine particulate matter in ambient air" under IRS-2021 of amount 2,70,750/-.
- **Dr. Prachi Singh** is undertaking a project on "Determination and assessment of heavy metal concentration in road dust." under IRS-2021 of amount 2,85,000/-.
- **Dr. Abhilash Shukla (Co-PI)** in "Development of design parameter and acceptance criteria for use of Ultra high performance concrete of compressive strength between 150 MPa to 200 MPa (Project given by BRO, Grant - 50 Lakhs)

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

- **Dr. Jayvant Choudhary** Successfully completed NPTEL-AICTE one week FDP on the course "Expansive Soil" in the session Jan-March 2022.
- **Dr. Chayan Gupta** Successfully completed (Gold Medal) NPTEL-AICTE one week FDP on the course "Expansive Soil" in the session Jan-March 2022.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Orientation Towards Technical Education & Curriculum Aspects" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Professional Values, Ethics, Ecology & Sustainable Development" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Communication Skills, Modes & Knowledge Dissemination" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Instructional Planning and Delivery" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Technology Enabled Learning & Life Long Self Learning" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Creative Problem Solving, Innovation and Meaningful R & D" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Effective Modes of Student Assessment and Evaluation" with distinction.
- **Dr. Chayan Gupta** Successfully completed 8-week NITTT Online Certification Course titled "Institutional Management & Administrative Procedures" with distinction.
- **Dr. Prachi Singh** Successfully completed 8-week NITTT Online Certification Course titled "Orientation Towards Technical Education & Curriculum Aspects" with distinction.
- **Dr. Prachi Singh** Successfully completed 8-week NITTT Online Certification Course titled "Professional Values, Ethics, Ecology & Sustainable Development" with distinction.

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- **Dr Jayvant Choudhary** Successfully completed 8-week NITTT Online Certification Course titled “Institutional Management & Administrative Procedures” with distinction.

## Award/Prize Received by Faculty

- **Dr. Manoj Kumar Trivedi** Received “Best Research Award-2020-21” at MITS Gwalior.
- **Prof. Aditya Kumar Agarwal** Received Award on MITS Day for Significant Contribution in NPTEL examination.
- **Dr. Jayvant Choudhary** Received Institutional Meritocracy Award for Year 2021 for significant contribution in Research.

## Activity Organized

- **Dr S K Jain** organized Two weeks short term course on “Applications of geosynthetics in infrastructure projects” from 17-28 January 2022.
- **Dr. Prachi Singh** organized (organizing team member) AICTE-QIP Sponsored One Week Online STC on "National Education Policy: Implementation Strategies in Engineering & Technology Institutions", 21.3.2022 to 25.03.2022, MITS Gwl.
- **Dr Hemant Shrivastava** organized one day workshop on “Road Design Through IIT PAVE Software” on 12.02.2022

## Expert Talk Delivered

- **Dr. Jayvant Choudhary** delivered an expert lecture on topic “Laboratory Quality Control Tests on Cement and Concrete” at a Short Term Course (Online Mode) funded by NRIDA and conducted by Indian Institute of Technology (BHU), Varanasi on 12th February 2022.
- **Dr Chayan Gupta** delivered an expert lecture on topic “Recent Trends in Geotechnical & Geoenvironmental Engineering” on 18 Feb 22 at RNTU Raisen MP.

## Students Achievement

- **Adarsh Singh B.Tech 1<sup>st</sup> Year** Participated in “**Workshop on Autodesk REVIT**” organized by S.O.F.T on 9<sup>th</sup> & 10<sup>th</sup> January 2022.
- **Adarsh Singh B.Tech 1<sup>st</sup> Year** Participated in the Webinar on “**Cyber Case Studies**” organized by MITS Gwalior on 11<sup>th</sup> February 2022.
- **Adarsh Singh B.Tech 1<sup>st</sup> Year** Participated in the “**Webinar on Child Abuse Awareness**” organised by LIGHT GWALIOR SITHOULI on 28<sup>th</sup> January 2022.
- **Adarsh Singh B.Tech 1<sup>st</sup> Year** Participated in “**Blender Workshop**” organized by ISTE STUDENTS CHAPTER MITS in 29<sup>th</sup> & 30<sup>th</sup> January 2022.
- **.Sudeep Dwivedi B.Tech 1<sup>st</sup> Year** Participated in “**Skyroads BGMI Championship Season-1**” on 12<sup>th</sup> February 2022.
- **Aastha Verma B.Tech 1<sup>st</sup> Year** Participated in “**Cyber Case Studies**” organized by the department of Engineering mathematics & Computing, MITS Gwalior on 11<sup>th</sup> Feb 2022.

- **Aastha Verma B.Tech 1<sup>st</sup> Year** Participated in “**Vigyanist**” to celebrate National Science Day at M.I.T.S. Gwalior on 28<sup>th</sup> February 2022.
- **Anurag Rajak B.Tech 1<sup>st</sup> Year** Participated in “**Vigyanist**” to celebrate National Science Day by M.I.T.S in 28<sup>th</sup> February 2022.
- **Ashutosh Baghel B.Tech 1<sup>st</sup> Year** Participated in “**Vigyanist**” to celebrate National Science Day by Science Club, MITS on 28<sup>th</sup> February 2022.
- **Arun Kumar Yadav B.Tech 2<sup>nd</sup> Year** successfully Completed “**Autocad-2D Online Workshop**” and scored an A grade in the final exam conducted by LEARN DELTA on 30<sup>th</sup> March 2022.
- **Arun Kumar Yadav B.Tech 2<sup>nd</sup> Year** Participated in “**Understanding Entrepreneurship from the Mental Perspectives**” held at the Department of Management MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE on 21<sup>st</sup> March 2022.
- **Rishikesh Dirwal B.Tech 2<sup>nd</sup> Year** Participated as a Player in “**2022 Badminton Tournament**” organized by MITS SPORTS CLUB on 26<sup>th</sup> & 27<sup>th</sup> March 2022.
- **Avantkeshwar Tripathi B.Tech 2<sup>nd</sup> Year** Participated in “**Online Quiz on INDIAN Folk Art**” by Art Club MITS in January 2022.
- **Umesh Lodha B.Tech 2<sup>nd</sup> Year** Participated in “**Blender Workshop**” organized by ISTE STUDENTS CHAPTER MITS on 29<sup>th</sup> & 30<sup>th</sup> January 2022.
- **Mohit Shrivastav B.Tech 2<sup>nd</sup> Year** Successfully completed an online course by IBM “**Tools for DATA Science**” on 10<sup>th</sup> February 2022.
- **Mohit Shrivastav B.Tech 2<sup>nd</sup> Year** Participated in My Captain's “**Cryptocurrency Trading Course**” in February 2022.
- **Aditya Singh Kushwah B.Tech 2<sup>nd</sup> Year** Participated in “**NCC-Combined Annual Training Camp**” held at Gwalior conducted by 3 MP Compo Tech (Indep) Coy under NCC GP HQs, Gwalior (M.P) on February 2022.
- **Aditya Singh Kushwah B.Tech 2<sup>nd</sup> Year** Participated in online Chess Tournament “**KINGFALL 2.0**” by Sports Club, Madhav Institute of Technology and Science on 13<sup>th</sup> February 2022.
- **Ashmit Tripathi B.Tech 2<sup>nd</sup> Year** Participated in online course on “**Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies**” by IIRS (ISRO) in March 2022.



- **Chitranshi Shrivastava B.Tech 2<sup>nd</sup> Year** Participated in online course on “**Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies**” by IIRS (ISRO) in March 2022.
- **Chitranshi Shrivastava B.Tech 2<sup>nd</sup> Year** Participated in “**Fundraising Internship at Muskurahat Foundation**” on 23<sup>rd</sup> February 2022.
- **Kushagra Mishra B.Tech 3<sup>rd</sup> Year** Passed “**GATE EXAM**” in 2022.
- **Vivek Singh Dhakad B.Tech 3<sup>rd</sup> Year** Participated in NCC-Camp “**Combined Annual Training Camp (CATC/B-13)**” and Passed “**Certificate-B of NCC**” conducted by 3 MP Girls Battalion NCC Gwalior in February 2022.
- **Bhaskar Gupta B.Tech 3<sup>rd</sup> Year** Passed “**GATE EXAM**” in 2022.
- **Kirti Singh B.Tech 3<sup>rd</sup> Year** Participated in “**Blender Workshop**” organized by ISTE STUDENTS CHAPTER MITS in 29<sup>th</sup> & 30<sup>th</sup> January 2022.
- **Priyanka Dawar B.Tech 3<sup>rd</sup> Year** Successfully Completed “**Learning of soft skills**” by TCS ion career edge-young professional on January 2022.
- **Naimesh Singh Rawat B.Tech 4<sup>th</sup> Year** Passed “**GATE EXAM**” in 2022.
- **Naimesh Singh Rawat B.Tech 4<sup>th</sup> Year** Participated in “**Kona Kona Shiksha**” by National Institute of Securities Markets on 14<sup>th</sup> January 2022.
- **Aditya Chouhan B.Tech 4<sup>th</sup> Year** successfully completed an online course on “**3ds Max 2020, Auto-CAD 2020 Civil & Revit 2020 Civil**” by Micro CADD in February 2022.
- **Saumya Arya B.Tech 4<sup>th</sup> Year** received Award for “**Social Worker**” at Award Night Season 2, International Women’s Day at Gwalior, Madhya Pradesh on 2022.
- **Devesh Modi B.Tech 4<sup>th</sup> Year** Participated in One Day Online Workshop on “**COVID AND ITS VARIANTS: SYMPTOM, PREVENTION AND CURE**” Organized by Department of Electrical Engineering, MITS, Gwalior, MP, India in 19<sup>th</sup> February 2022.
- **Nipurn Runij B.Tech 4<sup>th</sup> Year** Got Product Internship at “**NAVI TECHNOLOGIES**” at Navi Technologies Private Limited in 2022.
- **Ajay Singh Kuwer B.Tech 4<sup>th</sup> Year** Participated in “**Kona Kona Shiksha**” by National Institute of Securities Markets on 14<sup>th</sup> January 2022.
- **Ajay Singh Kuwer B.Tech 4<sup>th</sup> Year** Successfully Completed “**Mendeley Training Course**” by Amity University, Gwalior on 5<sup>th</sup> February 2022.

- **Akash Singare B.Tech 4<sup>th</sup> Year** Participated in “**Kona Kona Shiksha**” by National Institute of Securities Markets on 14<sup>th</sup> January 2022.
- **Akash Singare B.Tech 4<sup>th</sup> Year** actively contributed in Azadi ka Amrit Mahotsav and participated in “**The Launch Event of Awareness Campaigns on HIV, TB and Blood Donation**”.
- **Akash Singare B.Tech 4<sup>th</sup> Year** took part in “**Dare 2 complete Awards**” at Madhav Institute of Technology and Science (MITS), Gwalior in 2022.
- **Shailendra Arya B.Tech 4<sup>th</sup> Year** Participated in “**Sustainable material for construction: Opportunities & Challenges**” organised by Ultratech Cement Ltd. on 5<sup>th</sup> February 2022.
- **Priyam Gupta B.Tech 4<sup>th</sup> Year** Participated in “**Volleyball Tournament**” by MITS SPORTS CLUB on 2<sup>nd</sup> & 3<sup>rd</sup> March 2022 and Participated in “**2022 Badminton Tournament**” by MITS SPORTS CLUB on 26<sup>th</sup> & 27<sup>th</sup> March 2022.
- **Mohamad Siraj Khan B.Tech 4<sup>th</sup> Year** Successfully Completed “**Mendeley Training Course**” by Amity University, Gwalior in 5<sup>th</sup> February 2022.
- **Mohamad Siraj Khan B.Tech 4<sup>th</sup> Year** Participated in the National level Webinar on “**How to use LinkedIn for Effective Career Management**” by Global Head-Talent Transformation, Wipro Digital Operations and Platforms in 28<sup>th</sup> February 2022.
- **Himanshi Agrawal B.Tech 4<sup>th</sup> Year** Participated in “**World Education Day Fair 2022**” organized by Internshala Trainings on 24<sup>th</sup> January 2022.
- **Himanshi Agrawal B.Tech 4<sup>th</sup> Year** Participated in “**WORLD ANTI LEPROSY DAY**” organised by Madhav Institute of Technology and Science, Gwalior in 30<sup>th</sup> January 2022.
- **Manas Gupta B.Tech 4<sup>th</sup> Year** Successfully Completed “**Data Science for Engineers**” NPTEL Course in 2022.
- **Manas Gupta B.Tech 4<sup>th</sup> Year** Successfully Completed “**Python for Data Science**” NPTEL Course in 2022.

## Miscellaneous

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