



CIVIL ENGINEERING DEPARTMENT

E - NEWSLETTER

“ CIVILIANSIGHT ”

INSIDE THIS ISSUE:

- ❖ Departmental Achievement
- ❖ FDP/STC Attended
- ❖ Projects Undergoing
- ❖ Publications
- ❖ NPTEL/ATAL/COURS ERA/Internshala courses attended by faculty
- ❖ Activity organized
- ❖ Expert talk delivered
- ❖ Students Achievement
- ❖ Any Other Achievement

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

Students Involved:
Himanshi Agrawal (B.Tech. 4th 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.

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

- **Dr. Prachi Singh** attended national webinar on "Indoor Air Quality & Ventilation concerning Covid-19 Pandemic" organized by CSIR-CBRI Roorkee on August 26-27, 2021.
- **Dr. Prachi Singh** attended national webinar on "GST Sensitization" organized by Department of Mathematics MITS Gwalior on 27 August 2021.
- **Dr Hemant Shrivastava** attended Two Weeks Online Industrial Training on “ANSYS Software” organized by The National Small Industries Corporation Ltd on Aug 9-19, 2021.
- **Dr. Jayvant Choudhary** attended 5-Day National level Faculty Development Programme on “Data Science : A Research Perspective” conducted by Center of Excellence in Data Science and Artificial Intelligence - Department of Computer Applications during 23rd -27th August 2021.
- **Dr. Jayvant Choudhary** participated in Five Days FDP on “IPR Awareness and Patent Prosecution” organised by Department of Electronics and Communication, Oriental Institute of Science and Technology, Bhopal during 13th - 17th July 2021.
- **Dr. Jayvant Choudhary** participated and successfully completed the Webinar on ‘Indoor Air Quality & Ventilation Concerning Covid-19 Pandemic’ organized by CSIR-CBRI during August 26-27, 2021.
- **Dr. Jayvant Choudhary** attended a Webinar on "Well Foundation: Construction Practices" organized by Ultratech Cement Limited on September 4, 2021.
- **Prof. Renuka Darshyamkar** attended a webinar on “Advances in Subsurface Mechanics for Energy and Environment (ASMEE)-2021” organized by IIT Madras on July 4, 2021.

Faculty Publications

- Aditi Tiwari, **M. K. Trivedi** (2021), “Practical Tool for Development of Non-Dominated Optimum Front in Time–Cost Trade-off analysis”, J. Inst. Eng. India Ser. A **102**, 1073–1088 (2021). <https://doi.org/10.1007/s40030-021-00554-9>
- **Choudhary, J.**, Kumar., B., and Gupta, A., (2021), Utilization of Waste Glass Powder and Glass Composite Fillers in Asphalt Pavements, Hindawi Advances in Civil Engineering Volume 2021, Article ID 3235223, page 17, <https://doi.org/10.1155/2021/3235223>.
- **Aditya Kumar Agarwal**, Shyamveer Singh Chauhan, **Dr M. K. Trivedi (2021)**, "Evaluation of Water Quality Index of Surface Water for Morena Region, Madhya Pradesh, India" in International Conference on Civil Engineering, Architecture and Sustainable Infrastructure at Babu Banarsi Das University, Lucknow from 23 - 24 September 2021.
- Mohit Gupta, **Archana Tiwari**, "Self-Compacting Concrete Containing Plastic Bag Waste Fibres Partially Replace by Sand", IJRASET, Vol 9, Issue 8, Aug 2021.
- Akash Tiwari, **Manoj Kumar Trivedi**, "Analysis of Resource Moment Approach and Release & Rehire Approach for Resource Optimization in Construction Project", IJRASET, Vol 9, Issue 9, Sep 2021.
- Ashish Sharma, **Dr. Sanjay Tiwari**, "Fuzzy Multi-Objective Genetic Algorithm Based Resource Constrained Time-Cost Trade-Off Model under Uncertain Environment", IJRASET, Vol 9, Issue 8, Aug 2021.
- Mohit Bittharia, **Archana Tiwari**, "Quality Management Practices in Building Construction through Questionnaire Survey", IJRASET, Vol 9, Issue 7, July 2021.
- Anshul Singh Baghel, **Gautam Bhadoriya**, "Adapting Extensive green Roof system as Sustainable Building Design in INDIA", IJRASET, Vol 6, Issue 9, September 2021.

Projects Undergoing

- **Dr. Manoj Trivedi** is undertaking a project on “Multi-objective optimization in construction projects using NSGA III (IRS TEQIP3)”.
- **Prof. Aditya Kumar Agarwal** is undertaking a project on “Development of rationalized Water Quality Index” (TEQIP – IRS).

NPTEL/ATAL/COURSERA/Internshala Courses Attended by Faculty

- **Dr. Jayvant Choudhary** participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Recent Advances in Pavement Analysis, Design and Evaluation" from 20/09/2021 to 24/09/2021 at Indian Institute of Technology Jodhpur.
- **Dr. Jayvant Choudhary** participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "CONTEMPORARY TECHNOLOGIES FOR SUSTAINABLE ROAD CONSTRUCTION" from 01/10/2021 to 05/10/2021 at Siksha 'O' Anusandhan deemed to be University.
- **Prof. Mohit Aggarwal** Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Green Technology for Sustainable Life: Indian Perspective" from 2021-07-19 to 2021-07-23 at National Institute of Technology, Silchar, Assam.
- **Prof. Mohit Aggarwal** Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Applications of Remote Sensing and GIS in Water Resources Engineering" from 02/08/2021 to 06/08/2021 at Bharati Vidyapeeth (Deemed to be university) College of Engineering Pune.

Activity Organized

- Civil Engineering Department (Coordinator Dr Hemant Shrivastava) along with Indian Concrete Institute Gwalior Chapter organized webinar on “Design and Construction of Concrete Structure for Metro Rail Projects” on 04.09.2021.

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 Achievement

- **Himanshi Agrawal B.Tech 4th Year** worked as HR intern from July to September, at LucidEdu Bhopal (Online).
- **Himanshi Agrawal B.Tech 4th Year** Participated in “Campus to Corporate” event 14th August (online mode).
- **Himanshi Agrawal B.Tech 4th Year** Participated in online quiz “Tokyo Trivia” organised by IET Student Chapter MITS on August 8,2021.
- **Himanshi Agrawal B.Tech 4th Year** Attended the webinar “The importance of software skills in Civil Engineering Industry” on August 28, 2021.
- **Loveleen Yadav B.Tech 4th Year** worked as Sales and Marketing intern from July to September, at LucidEdu Bhopal (Online).
- **Loveleen Yadav B.Tech 4th Year** attended webinar “The Importance of Software Skills in Civil Engineering Industry” on August 28, 2021.

- **Manas Gupta B.Tech 4th Year** attended the webinar “The importance of software skills in Civil Engineering Industry” on August 28, 2021.
- **Nancy Tiwari B.Tech 4th Year** participated in workshop on DEVOPS organised by ISTE Students’ Chapter MITS on September 17-18, 2021.
- **Saumya Arya B.Tech 4th Year** attended the webinar “The importance of software skills in Civil Engineering Industry” on August 28, 2021.
- **Umesh Dangi B.Tech 4th Year** attended the webinar “The importance of software skills in Civil Engineering Industry” on August 28, 2021.
- **Mohit Singh B.Tech 3rd Year** Participated in “Market Training Program” organised by LucidEdu.
- **Mohit Singh B.Tech 3rd Year** worked as HR intern from July to September, at LucidEdu Bhopal (Online).
- **Shivani Shukla B.Tech 3rd Year** worked as Sales and Marketing intern from July to September, at LucidEdu Bhopal (Online).
- **Prabhat Sharma B.Tech 3rd Year** Organised “Quiz-a-Mania”, online Yoga quiz under Sports club MITS on September 11, 2021.

Miscellaneous

- **Dr. Jayvant Choudhary** reviewed a Journal Paper Titled "Structural Behaviour of Fly Ash-Based Geopolymer Used for Roller Compacted Concrete Pavement" for Journal of Materials in Civil Engineering, ASCE.
- **Dr. Jayvant Choudhary** reviewed a Journal Paper Titled "Accelerated curing potential of Cold mix asphalt using silica fume and hydrated lime as filler" for International Journal of Pavement Engineering, Taylor and Francis .

- **Dr. Jayvant Choudhary** reviewed a Journal Paper Titled "An Experimental Study on Dense Bitumen Mix Impregnated with Septage Ash" for Composites and Advanced Materials, Sage Publications.
- **Dr. Jayvant Choudhary** reviewed a Journal Paper Titled "Development of Soundness Diagnosis Model for Concrete Slab Using Bridge Inspection Data" for Asian Transport Studies, East Asia Society for Transportation Studies.