



DEPARTMENT OF CIVIL ENGINEERING

E - Newsletter

"CIVILIANSIGHT"

July – Sept 2024

From the HOD's Desk



Dear All,

Welcome to the latest volume of our departmental newsletter, covering July to September 2024. This edition showcases the exceptional achievements and ongoing efforts of our community at the Department of Civil Engineering, MITS-DU Gwalior. From groundbreaking research to student successes and faculty accolades, this newsletter reflects our commitment to excellence in education and innovation. I commend our faculty, students, and staff for their dedication and contributions. Together, let's continue advancing the frontiers of civil engineering.

*Thanks
Dr Sanjay Tiwari*

Editorial Team

Prof. Archana Tiwari
Dr Prachi Singh

Archit Shrivastava
(B. Tech 2nd 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.
- PEO4 The graduate of the program will be able to exhibit leadership skills, team spirit and ethical practices.

AWARDS AND RECOGNITIONS (FACULTY)

Faculty Publications :-



Dr. Prachi Singh, published paper on “Optimizing trade-off between time, cost, and carbon emissions in construction using NSGA-III: an integrated approach for sustainable development.” Asian J Civ Eng (2024). <https://doi.org/10.1007/s42107-024-01176-9>(SCOPUS)



Prof. Deepanshu Agarwal published paper on “Development of time-cost trade-off optimization model for Indian highway construction projects using non-dominated sorting genetic algorithm-II methodology.” Asian J Civ Eng (2024). <https://doi.org/10.1007/s42107-024-01157-y>

PhD Awarded between July-Sept 2024 :-



Dr. Kamal Sharma and Dr. Shyamveer Singh Chauhan successfully defended PhD final defence under guidance of Dr. MK Trivedi in Sept 2024. Dr. Kamal Sharma awarded PhD Degree on 27August 2024 and Dr. Shyamveer Singh Chauhan awarded PhD Degree on 09 September 2024.

Miscellaneous Activities :-



Dr. Shyamveer Singh Chauhan awarded PhD Degree on 09 September 2024.

AWARDS AND RECOGNITIONS (FACULTY)

NPTEL/ATAL/COURSERA/INTERNSHALA course attended by faculty :-



Prof. Deepanshu Agarwal attended the lecture series of NPTEL Course for Geotechnical Engineering in June - September 2024.



Prof. Shyamveer Singh Chauhan attended the lecture series of NPTEL Course for Indoor Air Pollution(12weeks) in June - September 2024.

JOINING OF NEW FACULTY :-



Prof. Sachin Singh joined the Civil Department of MITS-DU as an Assistant Professor on contract basis this year in August 2024.



Prof. Gyanendra Shakya joined the Civil Department of MITS-DU as an Assistant Professor on contract basis this year in August 2024.

AWARDS AND RECOGNITIONS (FACULTY)



Prof. Amita Singh joined the Civil Department of MITS-DU as an Assistant Professor on contract basis this year in August 2024.



Prof. Ambika Priyadarshini Mishra joined the Civil Department of MITS-DU as an Assistant Professor on contract basis this year in August 2024.

GUEST / EXPERT LECTURE EVENTS

- Er. Pradeep Agarwal (Director Projects, NRIDA) delivered an expert lecture on 31 August 2024 on topic “ Pre - requisite for field internship and DPR preparation for Infrastructure project.” for the students of B. Tech 2nd, 3rd and 4th Year, ME and M. Tech organized by the Civil department.
- Er. Atul Tewari(Consultant and Advisor for Water Projects) delivered an expert lecture on 21 September 2024 on topic “ Pre - requisite and qualities for becoming a Professional Civil Engineer.” for the students of B. Tech 2nd, 3rd and 4th Year, ME and M. Tech organized by the Civil department.

STUDENTS ACHIEVEMENTS/AWARDS

FIRST YEAR STUDENTS | JULY - SEPTEMBER 2024

- Abhiraj Rajawat (BTCE24O1003) B. Tech First Year has successfully participated in Checkmate-Chess Tournament organized by the Outreach Club of MITS-DU on 28 September 2024.
- Rohit Gaur (BTCE24O1074) B. Tech First Year has successfully attended the Coding Ninjas Webinar organized in association with Coding Ninjas by Podosphere Club of MITS-DU on 28 September 2024.
- Sahil Shrivastava (BTCE24O1077) B. Tech First Year has successfully participated in Checkmate-Chess Tournament organized by the Outreach Club of MITS-DU on 28 September 2024.
- Shiva Singh Bhadauriya (BTCE24O1083) B. Tech First Year has actively participated in the Swachhta Hi Seva campaign organized by the NSS Units, MITS-DU Gwalior, MP on 19 September 2024.
- Shivendra Patel (BTCE24O1084) B. Tech First Year has successfully participated in Checkmate-Chess Tournament organized by the Outreach Club of MITS-DU on 28 September 2024.

STUDENTS ACHIEVEMENTS/AWARDS

SECOND YEAR STUDENTS | JULY - SEPTEMBER 2024

- Aditya Narayan (0901CE231007) B. Tech Second Year has successfully participated in the Tech Trivia organized by the IOT Club of MITS-DU on 7 September 2024.
- Aditya Pratap Singh (0901CE231008) B. Tech Second Year has successfully participated in the RBI@90 Nationwide Online Quiz 2024 on 21 September 2024.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in the Tech Trivia organized by the IOT Club of MITS-DU on 7 September 2024.
- Anubhav Sahu (0901CE231015) B. Tech Second Year has successfully participated in the Brain Byte 2.0 organized by the IOT Club of MITS-DU on 21 September 2024.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated and secured 1st Prize as a Winner in the Brain Byte organized by the IOT Club of MITS-DU on 4 August 2024.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated in Engineers Talk organized by the MBP, Gwalior Unit on 15 September 2024.

STUDENTS ACHIEVEMENTS/AWARDS

SECOND YEAR STUDENTS | JULY - SEPTEMBER 2024

- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully completed a Technical Visit of Tighra Dam, Gwalior and got opportunity to learn the history, importance and future of Tighra Dam which was organized by the Vigyan Bharti, Madhya Bharat Prant, Gwalior Unit on 15 September 2024 on the occasion of Engineers Day.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully participated in the Brain Byte 2.0 organized by the IOT Club of MITS-DU on 21 September 2024.
- Archit Shrivastava (0901CE231020) B. Tech Second Year has successfully attended the Coding Ninjas Webinar and won 3rd Prize organized in association with Coding Ninjas by Podosphere Club of MITS-DU on 28 September 2024.
- Jatin Kirar (0901CE231049) B. Tech Second Year has done an internship as a trainee at Royal Dream Planner, Gwalior from 20 June to 2 September 2024.
- Pranshu Sharma (0901CE231067) B. Tech Second Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Ramam Sharma (0901CE231073) B. Tech Second Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.

STUDENTS ACHIEVEMENTS/AWARDS

SECOND YEAR STUDENTS | JULY - SEPTEMBER 2024

- Ramendra Pratap (0901CE231074) B. Tech Second Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Tikam Maida (0901CE231098) B. Tech Second Year has successfully participated in Checkmate-Chess Tournament organized by the Outreach Club of MITS-DU on 28 September 2024.
- Vikas Choudhary (0901CE231104) B. Tech Second Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Naman Shrivastava (0901CE231110) B. Tech Second Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | JULY - SEPTEMBER 2024

- Abhishek Jatav (0901CE221002) B. Tech Third Year has successfully participated in the Brain Byte organized by the IOT Club of MITS-DU on 4 August 2024.
- Arth Parashar (0901CE221012) B. Tech Third Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Arth Parashar (0901CE221012) B. Tech Third Year has successfully participated in the Combined Annual Training Camp of National Cadet Corps at Bhind from 22 August to 31 August 2024.
- Arth Parashar (0901CE221012) B. Tech Third Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Harshit Bhargava (0901CE221038) B. Tech Third Year has successfully participated in Checkmate-Chess Tournament organized by the Outreach Club of MITS-DU on 28 September 2024.
- Nikita Kushwah (0901CE221062) B. Tech Third Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Nikita Kushwah (0901CE221062) B. Tech Third Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Payal Shrivastava (0901CE221066) B. Tech Third Year has successfully participated in the RBI@90 Nationwide Online Quiz 2024 on 21 September 2024.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | JULY - SEPTEMBER 2024

- Payal Shrivastava (0901CE221066) B. Tech Third Year has successfully participated in the workshop on Essay Writing Competition organized by the Institute of Engineers(INDIA) and IETE Bhopal Centre at MITS-DU, Gwalior.
- Surendra Tanwar (0901CE221100) B. Tech Third Year has successfully taken part in the Blood Donation Camp and donated blood, organized by Madhya Pradesh State AIDS Control Society(MPSACS) and Indian Red Cross Society held at MITS-DU, Gwalior on 30 September 2024.
- Uday Kumar Hirvane (0901CE221101) B. Tech Third Year has successfully participated in the Tech Trivia organized by the IOT Club of MITS-DU on 7 September 2024.
- Uday Kumar Hirvane (0901CE221101) B. Tech Third Year has successfully participated in the X-Calibre 2024 hosted by the Indian Society for Technical Education Students Chapter Club of MITS-DU held from 27-29 September 2024.
- Vikas Singh (0901CE221104) B. Tech Third Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Vikas Singh (0901CE221104) B. Tech Third Year has successfully participated in the RBI@90 Nationwide Online Quiz 2024 on 21 September 2024.
- Vikas Singh (0901CE221104) B. Tech Third Year has successfully participated in the Tech Trivia organized by the IOT Club of MITS-DU on 7 September 2024.

STUDENTS ACHIEVEMENTS/AWARDS

THIRD YEAR STUDENTS | JULY - SEPTEMBER 2024

- Vikas Singh (0901CE221104) B. Tech Third Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Yogita Parashar (0901CE221111) B. Tech Third Year has successfully participated in Checkmate-Chess Tournament organized by the Outreach Club of MITS-DU on 28 September 2024.
- Yogita Parashar (0901CE221111) B. Tech Third Year has successfully become the Content Head of the Scrabble Club of MITS-DU.
- Abhishek Prajapati (0901CE233D01) B. Tech Third Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Abhishek Prajapati (0901CE233D01) B. Tech Third Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Grasima Berware (0901CE233D07) B. Tech Third Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Grasima Berware (0901CE233D07) B. Tech Third Year has successfully participated in the RBI@90 Nationwide Online Quiz 2024 on 21 September 2024.

STUDENTS ACHIEVEMENTS/AWARDS

FOURTH YEAR STUDENTS | JULY - SEPTEMBER 2024

- Aastha Verma (0901CE211003) B. Tech Fourth Year has successfully participated in webinar session Byte the Bits organized by the Indian Society for Technical Education Students Chapter Club of MITS-DU on 10 August 2024.
- Aastha Verma (0901CE211003) B. Tech Fourth Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Aastha Verma (0901CE211003) B. Tech Fourth Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Adarsh Singh (0901CE211008) B. Tech Fourth Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Adarsh Singh (0901CE211008) B. Tech Fourth Year has successfully completed the online course on Energy Literacy Training of the Energy Swaraj Foundation organized by CSIR.
- Harshvardhan Singh Bhadouriya (0901CE21060) B. Tech Fourth Year has successfully completed his internship under the administrative control of Assistant Engineer, Gwalior, Central Sub Division, CWPD, Gwalior from 25/05/2024 to 10/07/2024.
- Harshvardhan Singh Jaitwar (0901CE21061) B. Tech Fourth Year has successfully completed his internship under the administrative control of Assistant Engineer, Gwalior, Central Sub Division, CWPD, Gwalior from 25/05/2024 to 10/07/2024.

STUDENTS ACHIEVEMENTS/AWARDS

FOURTH YEAR STUDENTS | JULY - SEPTEMBER 2024

- Harshvardhan Singh Jaitwar (0901CE21061) B. Tech Fourth Year has successfully passed the Certification 'C' Examination, held in the year 2024, in A Grade under the Authority of Ministry of Defense, Government of India.
- Himanshi Bhadauriya (0901CE21063) B. Tech Fourth Year has successfully passed the Certification 'C' Examination, held in the year 2024, in A Grade under the Authority of Ministry of Defense, Government of India.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully participated in the Brain Byte organized by the IOT Club of MITS-DU on 4 August 2024.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully participated in webinar session Byte the Bits organized by the Indian Society for Technical Education Students Chapter Club of MITS-DU on 10 August 2024.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully participated in the Tech Trivia organized by the IOT Club of MITS-DU on 7 September 2024.
- Himanshi Bhadauriya (0901CE211063) B. Tech Fourth Year has successfully completed the online course on AI/ML for Geodata Analysis organized by ISRO from 19 August to 23 August 2024.
- Muskan Jayant (0901CE211079) B. Tech Fourth Year has successfully participated in the E-बातचीत organized by the हिंदी समिति Club of MITS-DU on 6 July 2024.

STUDENTS ACHIEVEMENTS/AWARDS

FOURTH YEAR STUDENTS | JULY - SEPTEMBER 2024

- Muskan Jayant (0901CE211079) B. Tech Fourth Year has successfully participated in the E-बातचीत organized by the हिंदी समिति Club of MITS-DU on 6 July 2024.
- Muskan Jayant (0901CE211079) B. Tech Fourth Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Muskan Jayant (0901CE211079) B. Tech Fourth Year has successfully participated in the National Level Gurukul Quest 2024 organized by the Department of Electrical Engineering of MITS-DU on 5 September 2024 on the occasion of Teachers Day.
- Muskan Jayant (0901CE211079) B. Tech Fourth Year has successfully participated in the Tech Trivia organized by the IOT Club of MITS-DU on 7 September 2024.
- Raman Sharma (0901CE211099) B. Tech Fourth Year has successfully participated in the 48 hours Hack'Ndore Hackathon organized by the Indore Municipal Corporation(IMC) from 26 to 28 July 2024.
- Shivam Sahu (0901CE211109) B. Tech Fourth Year has successfully participated in webinar session Byte the Bits organized by the Indian Society for Technical Education Students Chapter Club of MITS-DU on 10 August 2024.
- Shivam Sahu (0901CE211109) B. Tech Fourth Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.
- Shivam Sahu (0901CE211109) B. Tech Fourth Year has successfully participated in Intra University Photography Competition Capture The Moments organized by the Department of Computer Science and Engineering of MITS-DU on 21 August 2024.

STUDENTS ACHIEVEMENTS/AWARDS

FOURTH YEAR STUDENTS | JULY - SEPTEMBER 2024

- Rajvendra Singh Yadav (0901CE223D10) B. Tech Fourth Year has successfully participated in National Space Quiz organized by the Aerospace Club of MITS-DU conducted from 15 August to 23 August 2024 on the occasion of National Space Day.

Media Coverage :-



ग्वालियर सिटी भास्कर 17-09-2024

इंजीनियरिंग डे पर हुए कार्यक्रम, आमंत्रित वक्ता ने बताई वर्तमान में इंजीनियरिंग की स्थिति

आसपास के क्षेत्र को भी राहत देता है तिघरा

इंडस्ट्रियल विजिट

सिटी रिपोर्टर • ग्वालियर | विज्ञान भारती मध्य भारत प्रांत की ग्वालियर जिला इकाई ने इंजीनियरिंग डे के उपलक्ष्य में तिघरा डैम का इतिहास, उपयोगिता और भविष्य विषय पर टॉकशो रखा। इसमें आईआईटीएम, जीवाजी और एमआईटीएस आदि संस्थानों के 75 छात्रों ने भाग लिया। वक्ता के रूप में डॉ. मुकेश पांडेय, इंजी. वीरेंद्र यादव और मयंक मौजूद थे। उन्होंने कहा कि तिघरा ग्वालियर ही नहीं, आसपास के क्षेत्रों की भी प्यास बुझाता है। यही वजह है इसके खाली होने पर पूरे शहर को चिंता होने लगती है। बारिश के मौसम में भी सभी यही जानना चाहते हैं कि तिघरा कितना भरा है और कितना



खाली है। यह इंजीनियरिंग का बेजोड़ नमूना है। सालों बीत जाने के बाद भी यह बेहतर स्थिति में है। दूसरे सत्र में छात्रों को तिघरा डैम का भ्रमण कराया गया। इस दौरान उनके सवाल भी जवाब दिए गए।

योजनाओं को तकनीक का उपयोग कर पूरा करें

इंडियन वॉटर वर्क्स एसोसिएशन और आईआईआईई ने उत्कृष्ट अभियंताओं का सम्मान किया। मुख्य अतिथि जल निगम के परियोजना निदेशक एसके अंधवान थे। उन्होंने कहा कि सभी अभियंताओं को लोक निर्माण के क्षेत्र में कार्य करना चाहिए। तकनीक का उपयोग कर परियोजनाओं को आगे बढ़ाना चाहिए। इस मौके पर रामराज राजावत और राकेश राठौड़ आदि मौजूद थे।



स्वदेश

ग्वालियर - मुख्य संस्करण

17 Sep 2024



विद्यार्थियों ने जाना तिघरा बांध का इतिहास

ग्वालियर। विज्ञान भारती मध्य भारत प्रांत की ग्वालियर जिला इकाई द्वारा भारत रत्न सर मोक्ष गुंडम विश्वेश्वरैया की जयंती पर ग्वालियर के तिघरा बांध पर 'तिघरा डैम का इतिहास, उपयोगिता और भविष्य विषय पर एक इंजीनियर्स टॉक का आयोजन किया गया। जिसमें जीवाजी विवि, आईटीएम, एमिटी, एमआईटीएस, विक्रांत विश्वविद्यालय एवं इंजीनियरिंग/पॉलीटेक्निक महाविद्यालयों के करीब 75 छात्र-छात्राओं ने भाग लेकर तिघरा बांध की संरचना, इतिहास और कार्य विधि के बारे में जाना। इस अवसर पर विशेष रूप से डॉ. मुकेश पाण्डेय, जल संसाधन विभाग के अभियंता वीरेंद्र यादव, विज्ञान भारती के मध्य भारत प्रांत के सचिव इंजीनियर संजय कौरव, प्रांत कार्यकारिणी सदस्य योगेश इंदौरिया, ग्वालियर जिला इकाई के वरिष्ठ उपाध्यक्ष डॉ. राजीव चतुर्वेदी, डॉ. शरदचंद्र श्रीवास्तव, डॉ. आशुतोष खरे, डॉ. विनय सिंह, अमित सोनी, अजय मावई, डॉ. दीपक पाठक सहित अन्य मौजूद रहे।

The Department of Water Resources and Vigyan Bharti, Madhya Bharat Prant Gwalior unit organised a Conference and a Talk on about the Tighra Dam and its history on the occasion of Engineers day on 15 September 2024 in which Archit Shrivastava student of B. Tech 2nd Year attended the conference and got opportunity to learn about the various projects and the networking and functioning of the dam.

Miscellaneous :-

- Dr. R Kansal in Central Facilities as Dean Student Welfare and Prof. at Civil Engineering Department has been retired on 30 September 2024. The department wishes him a joyous retirement filled with gratitude for his years of invaluable service.
- Dr. MK Trivedi in Central Facilities assigned as the Exam Controller this year from September 2024.