Department of Civil Engineering

University Institute of Technology (UIT)
Rajiv Gandhi Proudyogiki Vishwavidyalaya
(State Technological University of Madhya Pradesh),
Airport Bypass Road, Gandhi Nagar,
Bhopal 462 033, Madhya Pradesh

NEWSLETTER

January-June 2022

UNIVERSITY INSTITUTE OF TECHNOLOGY

INSTITUTE VISION

To disseminate affordable quality technical education for producing globally competent, technically proficient and socially responsible technical manpower to meet global challenges.

INSTITUTE MISSION

To establish University Institute of Technology, RGPV, Bhopal as a centre of excellence for imparting technical education through technological interventions for the sustainable development of the nation.

DEPARTMENT OF CIVIL ENGINEERING

VISION

To create professionally competent graduates with ethical values to serve society and nation sustainably.

MISSION

To develop core competent technical graduates with professional attitude, ethical values and enterprising skills.
To develop civil engineering graduates with cutting-edge technology.

Program Outcomes (POs)

1. **Engineering Knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and Engineering sciences.
3. **Design/Development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work**: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning**: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1: Perform Survey, Testing and Quality Control of materials for Civil Engineering Projects leading to employability and entrepreneurship.

PSO2: Plan, Design and Estimating Civil Engineering Projects with emphasis on sustainable development.

Program Educational Objectives (PEOs)

PEO1: Graduate will be a Professional Civil Engineer with ethical values to serve the society.

PEO2: Graduate will pursue Innovation and Research.

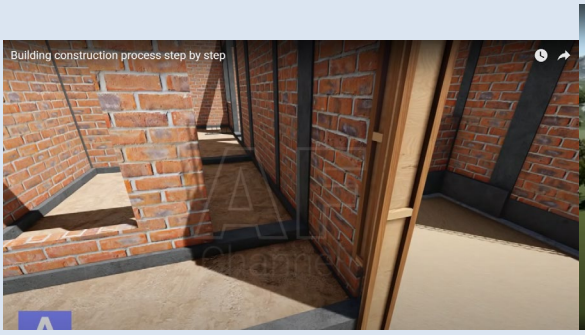
PEO3: Graduate will become an Entrepreneur.

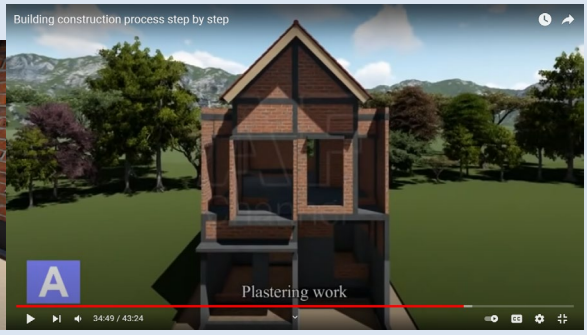
Activities Organized

1. **Demonstration Video on "BUILDING CONSTRUCTION PROCESS STEP BY STEP" on 11/02/2022 by TECHNOPHILIC Students' Club of Civil Engineering**

A demonstration Video on "BUILDING CONSTRUCTION PROCESS STEP BY STEP" on 11/02/2022 by TECHNOPHILIC Students' Club of Civil Engineering Department. The video demonstrated the various steps involved in construction of any building such as cleaning of site, marking of grid lines, excavation of footing, laying of reinforcement in footings, columns beams and slabs, concreting , finishing etc. By this video the students will enhance their knowledge in practical aspects of construction and also take proper precautions at site. The program started with formal inauguration function. Prof. S .S. Kushwah, Head of Civil Engg. Dept gave a welcome speech and motivated students for various civil engineering activities. Then the video was showed demonstrating the various steps involved in building construction from site cleaning and excavation of footing to finishing. And also 1 steps involved in any construction were discussed. Finally vote of thanks was given by Anand Raj Meena. Total no. of participants attended this event were 55. Dr. Aruna Rawat, Asst. Professor, Civil Engg. Dept., UIT-RGPV coordinated the event.

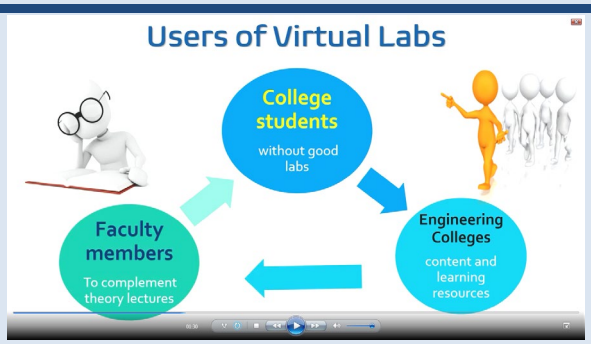
1. Photos:

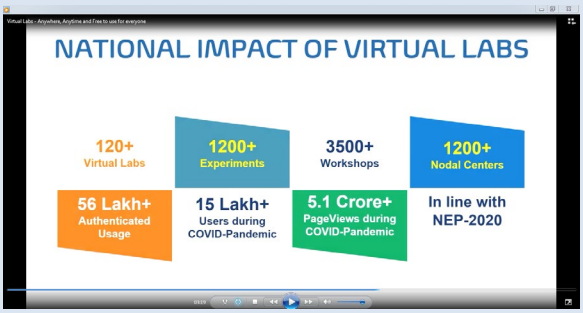




2. Presentation on "Virtual Labs in Civil Engineering"

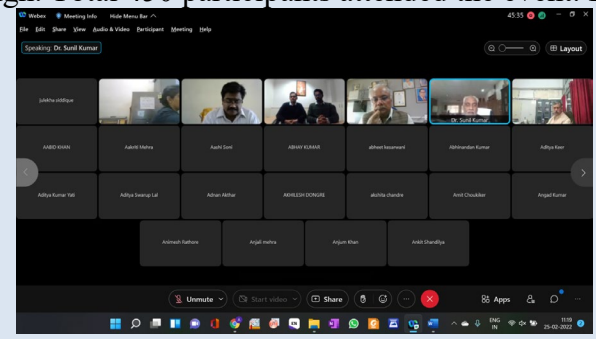
Presentation on "Virtual Labs in Civil Engineering" on 18/02/2022 organized by TECHNOPHILIC Students' Club of Civil Engineering Department. The create an awareness in students for virtual laboratory which is an Initiative of Ministry of Education under the National Mission on Education through ICT. Virtual labs are any place, any pace, any-time, any-type labs. It is a paradigm shift in student-centric, online education. It provides a complete Learning Management System around the Virtual Labs where the students/ teachers can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation. The talk was given by Dr. Aruna Rawat, Asst. Professor, Civil Engg. Dept., UIT-RGPV on Virtual labs in Civil Engineering. She discussed the objectives of Virtual labs and also showed the demo of various virtual labs available in Civil Engineering. Total 67 students participated the event.

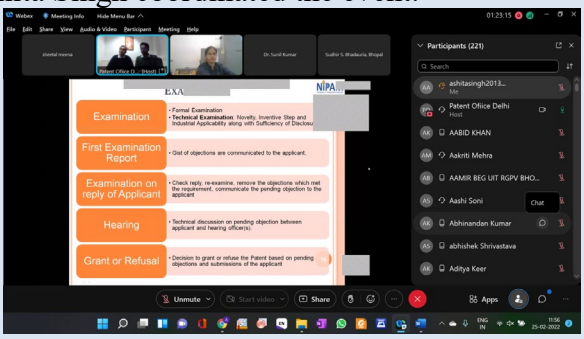


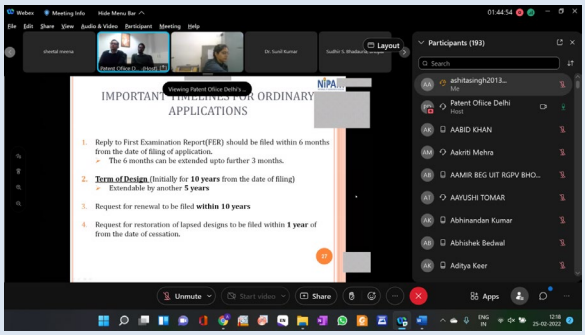


3. Webinar on Intellectual Property Right Awareness Program

Under Aazadi ka Amrat Mahotsav a webinar on "Intellectual Property Right Awareness Program" on 25th February 2022.The welcome note for the event was addressed by Dr. Ashita Singh. Dr. Sudhir Singh Bhadauria, Director, UIT RGPV, Bhopal gave an introduction speech on this occasion. Prof. Sunil Kumar, Honorable Vice Chancellor, RGPV, Bhopal was the chief guest for the event and enlightened the participants. Mr. Divyanshu Mishra Sir, Examiner of Patents & Designs, Mechanical Engineering Section, Specialization in Examination of International Search Authority Applications and Mr. Vaibhav Vivek, Examiner of Patents & Designs, Mechanical Engineering Section, NiPAM training officer delivered and expert talk on the theme of and discussed the "Intellectual Property Right Awareness Program" in detail. On behalf of entire Civil Department, vote of thanks and concluding remarks were presented by Dr. Ashita Singh. Total 450 participants attended the event. Dr. Ashita Singh coordinated the event.







4. Webinar on Introduction to Geosynthetics and its Applications in Civil Engineering

Webinar on Introduction to Geosynthetics and its Applications in Civil Engineering on 04/03/2022. The objectives of the event was to provide the knowledge about various types of geosynethics and its applications in Civil Engineering. Dr. Shankar Singh Kushwah, Professor, Ravindranath Tagore University delivered the expert talk. Total 40 participants attended the webinar. Prof. Amit Rai, Asst. Professor, Civil Engg. Dept., UIT-RGPV coordinated the event.

5. UDGAM by TECHNOPHILIC Students' Club of Civil Engineering

UDGAM an expert talk, online quiz and photography contest held on 5/03/2022 by Department: TECHNOPHILIC Students' Club of Civil Engineering Department. An expert talk was given by Mr Manoj Rao, Art of Living teacher on stress management. He discussed with the students various techniques to reduce the stress in their life and also talked about the importance of meditation and pranayam. He exercised the various stress relaxing techniques. After this a online quiz based on General Aptitude and Technical subjects of Civil Engineering and also photography contest based on theme Recycling Process of Waste materials and nature. Total 67 students participated the event. Dr. Aruna Rawat coordinated the event. The winners of quiz were:

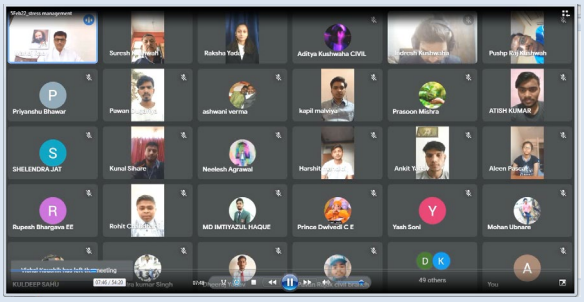
#1 Anas
#2 Siddhi vinayak
#3 Utkarsh

Winners of Photography:

#1 Suhani

#2 Kanishk Shrivastav

#3 Bhanu Gupta

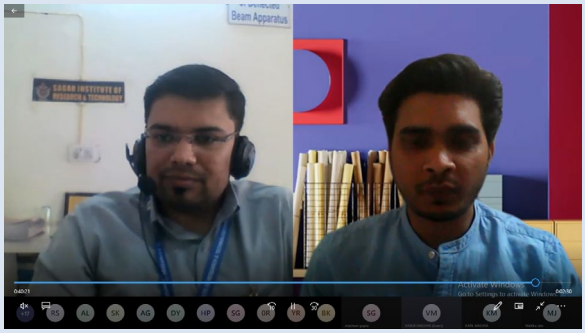


6. Webinar on GREEN BUILDINGS

A webinar on Green Buildings was held on 11th March 2022. Dr. Sharad Soni, Head Civil Engineering Rabindranath Tagore University, Raisen delivered the expert talk. The objective of webinar was to reduce the overall impact of the built environment on human health and the natural environment. Total 76 students participated the event. Prof. Rahul Patel coordinated the event.

7. Webinar on AIRPORT LIGHTING and TRAFFIC CONTROL

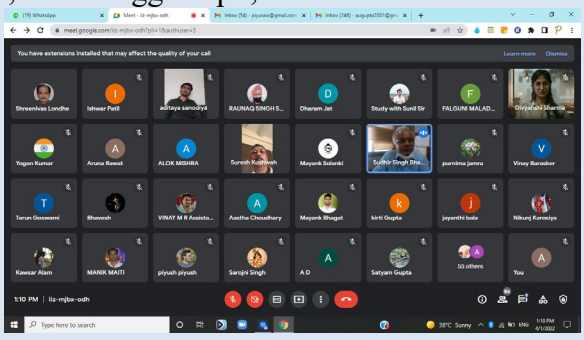
A webinar on Airport Lighting and Traffic Control was held on 12/03/2022. Mr. Nirjhar Gupta, Assistant Professor, Sagar Institute of Research and Technology (SIRT), Bhopal delivered the expert talk. The objectives of the event was to provide knowledge about airport lighting and traffic control and to aware the students about jobs & career in this field. Total 40 participants attended the webinar. Prof. Kapil Malviya, Asst. Professor, Civil Engg. Dept., UIT-RGPV coordinated the event.

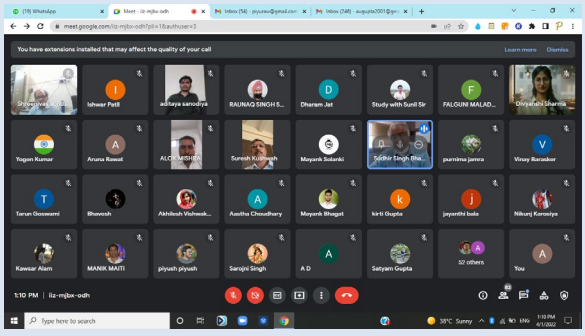


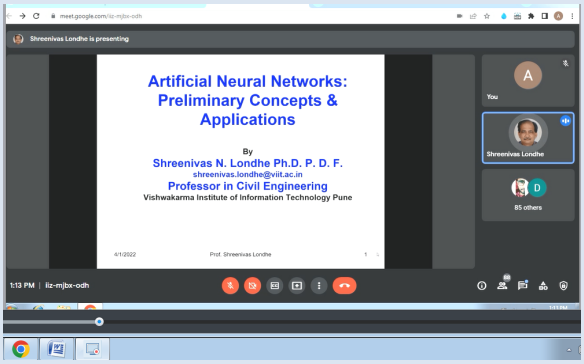
8. Visit to wastewater treatment plant at Damkheda Bhopal on 25/03/2022

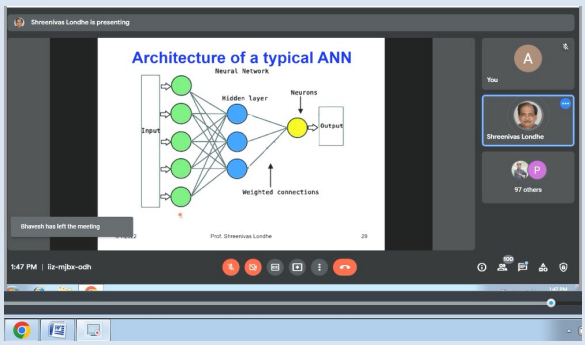
9. Online National Workshop on Artificial Neural Networks and its Applications in Civil Engineering

Online National Workshop on Artificial Neural Networks and its Applications in Civil Engineering was held on 01/04/2022. The aim of this online national workshop was to provide the knowledge of Artificial Neural Networks (ANN) and its applications in civil engineering as in Environmental Engineering, Concrete Technology, Construction technology, Water Resources etc.(1) Prof. Shreenivas Londhe. Professor in Civil Engineering, Vishwakarma Institute of Information Technology, Pune, (2) Dr. Pradnya Dixit, Associate Professor in Civil Engineering, Vishwakarma Institute of Information Technology, Pune (3) Dr. Preeti Kulkarni, Associate Professor in Civil Engineering, Vishwakarma Institute of Information Technology, Pune were the experts for the workshop. Total 266 participants attended the workshop. Dr. Aruna Rawat, Asst. Professor, Civil Engg. Dept., UIT-RGPV coordinated the event.



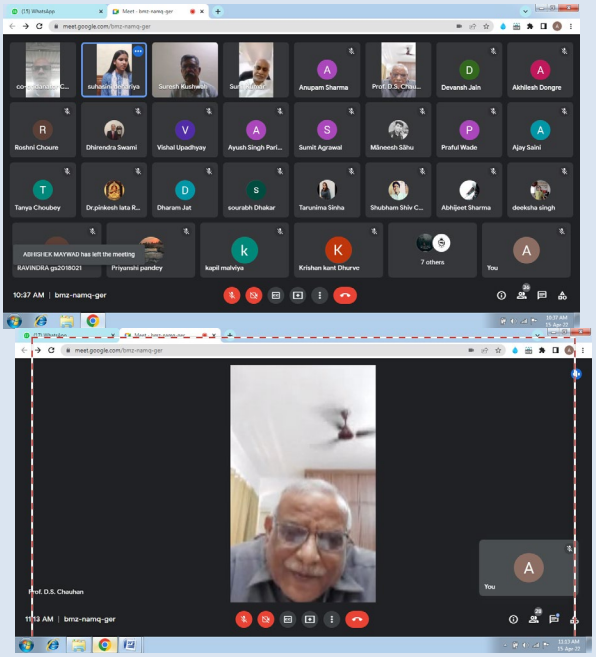


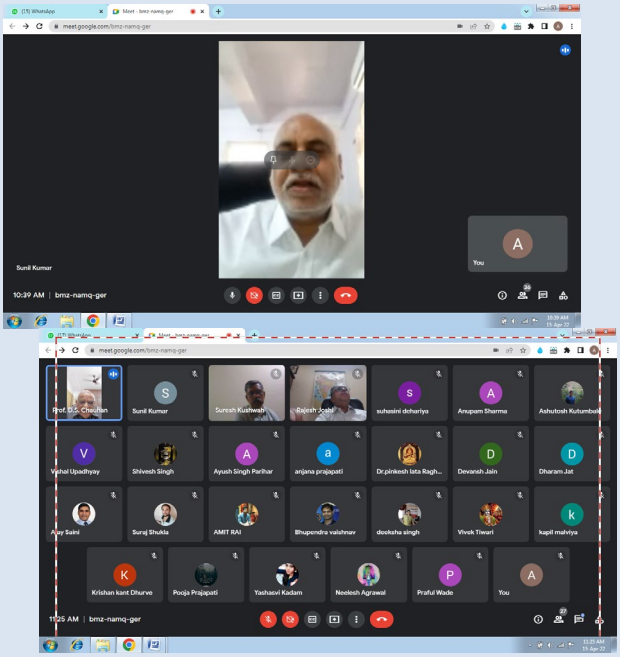




10. <u>आज़ादी का अमृत महोत्सव ऑनलाइन व्याख्यान विषय - "भारतीय वांग्मय में सद्गुण सम्पन्न देशभक्ति"</u>

आज़ादी का अमृत महोत्सव ऑनलाइन व्याख्यान विषय - "**भारतीय वांग्मय में सद्गुण सम्पन्न देशभक्ति**" course: 15h April, 2022. Prof. D. S. Chouhan, Former, Vice Chancellor, LPU (2006-07), JUIT-HP (2007-09),UTU(2009-13),GLA(2013-19) delivered the talk. Department of Civil Engineering, UIT RGPV, Bhopal celebrated "Aazadi ka Amrat Mahotsav" by organizing an online expert talk on "**भारतीय वांग्मय में सद्गुण सम्पन्न देशभक्ति**". The welcome note for the event was addressed by Dr. Suresh Singh Kushwah, Head, DoCE, UIT RGPV, Bhopal. Prof. Sunil Kumar, Honourable Vice Chancellor, RGPV, Bhopal was the chief guest for the event and enlightened the participants. Prof. D. S. Chouhan delivered the expert talk and discussed the virtue patriotism and positive attitude has to be developed for the development of our nation. Concluding remarks were presented by Dr. Suresh Singh Kushwah, Head, DoCE, UIT RGPV, Bhopal. Total 56 participants attended the talk. Dr. Aruna Rawat, Civil Engineering Department coordinated the event.





11. National Workshop on "Robotic Total Station and DGPS" on 6th May 2022

National workshop on Robotic Total Station and DGPS was held on 6th May 2022. Mr. Akhilesh Shukla, Asst. Manager, Allterra solutions LLP Trimble Geospatial, Mr. Girish Kandpal, Application Engineer, Allterra solutions LLP Trimble Geospatial were the experts for the national workshop. Dr S.S. Kushwah, Head and Rahul Patel coordinated the event. Total 105 students participants attended the workshop.

12. Alumni Meet 2022 (Blended mode) 07 May 2022

Alumni meet 2022 was held in Department of Civil Engineering on 07/05/2022 in blended mode. Total 42 alumni attended the meet. Prof. S. S. Bhadauria, UIT-RGPV, Bhopal, Prof. S. S. Kushwah, Head Department of Civil Engg. Prof. Saleem Akhtar, Prof. Amit Vishwakarma, Dr. Satish Ku. Jain, Dr. Aruna Rawat, Dr. Aslam Hussain, Dr. Ranjeet Joshi, Prof. Devansh Jain were present on this occasion.

Our alumnus Snehil Tripathi (batch 2013) book on An Introduction to Madhya Pradesh General Knowledge was also inaugurated on this occasion.

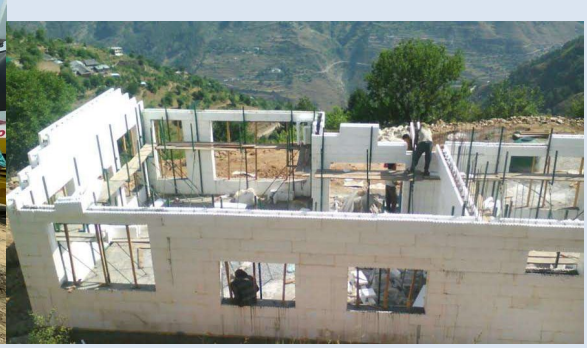
13. Online Quiz Competition on the theme "GREEN BUILDING MATERIALS AND TECHNOLOGIES"

Online quiz competition on the theme on the theme Green Building Materials and Technologies under Indian Green Building Council (IGBC) Students' Chapter was held on 10/05/2022. Total 47 students participated the quiz. The winner's of quiz were:

1. Ujjval Tiwari
2. Siddhivinayak Chourasiya
3. Tarun Nathani

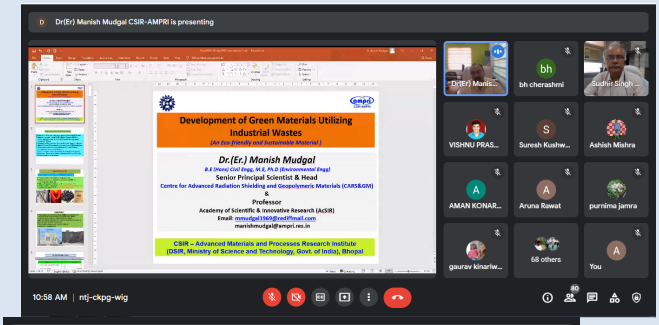
14. Site Visit on 11/5/2022 to Bhouri residential Building under IGBC Students' Chapter

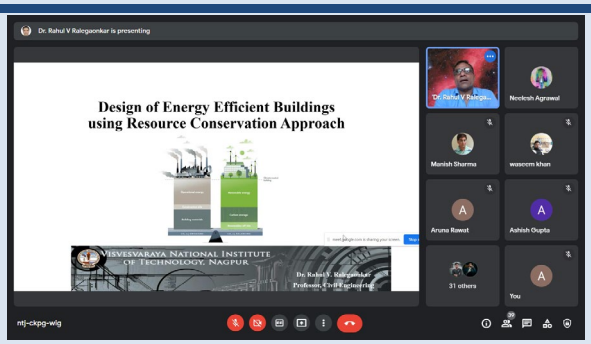
The students of IV and VI Tech Civil Engineering visited the residential building site neat Bouri, Bhopal. The building was constructed using Insulated Concrete Forms. ICF is the most convenient construction system using light weight, hollow, "Self Extinguishing" grade high density EPS (expanded poly styrene) molded forms inter-locking on all six edges to create a buildings load bearing wall shuttering. These are used as a lost shuttering system (shuttering is not removed after concrete pour) to provide an extremely economic and environment friendly method of wall construction. This permanent insulated formwork is the shell for a super fast & energy saving building. No. of participants: 60

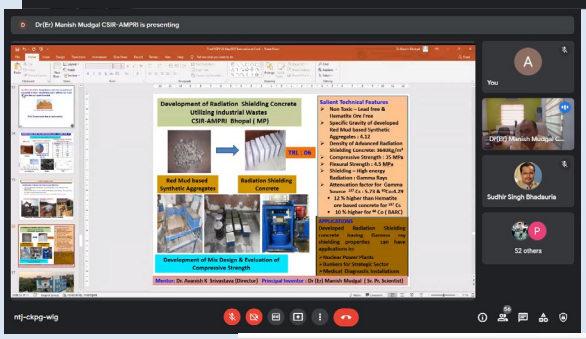


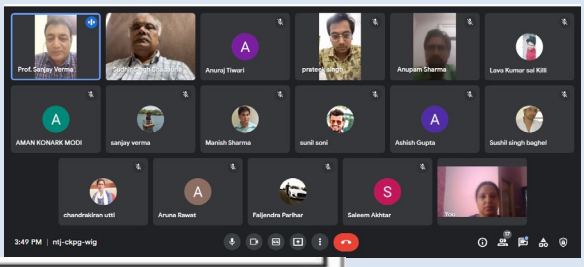
15. 4th International Conference (Online) on "Sustainable Materials and Structures for Civil Infrastructures"

4th International Conference (Online) on "Sustainable Materials and Structures for Civil Infrastructures" was held on 26-27 May 2022. The objective of conference was create an awareness for durable and sustainable, materials and structures for civil infrastructures, are essential for the development of worldwide economy and society. Service-life and life-cycle costing including repair and maintenance expenditure for infrastructure project can be optimized with durable materials and construction methodologies. Use of sustainable material shall help in energy conservation and making infrastructure projects more eco-friendly.
The aim of this international conference is to provide a forum for civil engineering professional community to share advances in research and development in the field of concrete, other alternative construction materials, composites, technologies, innovations and case studies for making construction activities more eco-friendly and economically viable. The program started with formal inauguration function. Prof. S. S. Bhadauria, Director and Chairman, UIT- RGPV, Bhopal and Prof. Suresh Singh Kushwah, Head of Civil Engineering Department, UIT-RGPV, Bhopal, Key note speaker, Dr. Manish Mugdal Senior Principal Scientist, CSIR-AMPRI, Bhopal. and Dr. Aruna Rawat, Secretary, Civil Engg. Dept. UIT-RGPV, Bhopal, faculty members and participants were present on this occasion. The conference was held online platform. Dr. Manish Mugdal Senior Principal Scientist, CSIR-AMPRI, Bhopal delivered a keynote lecture on 'Development of Green Materials utilizing Industrial Wastes". He discussed the various industrial wastes used as replacement fully or partially as construction materials. He also discussed the various works going on in AMPRI Bhopal. He also discussed the geopolymer concrete and its applications. Day second keynote speaker was Professor Rahul Ralegaonkar, Department of Civil Engineering, Visvesvaraya National Institute of Technology (VNIT), Nagpur. He delivered an expert talk on Design of Energy Efficient Buildings using Resource Conservation Approach. Total 74 abstracts were received. and total 53 full length papers were accepted. In all 49 research papers were presented online. The conference covered almost all the themes of civil engineering materials, sustainable materials, and use of industrial and agricultural waste in construction materials like concrete, bituminous mix. Application in Geotechnical Engg., energy efficient and green buildings, Analysis methods and design of pavements. Seismic analysis of civil infrastructures like buildings, bridges, dams etc. Finite element analyses of various structural elements were discussed.
No. of participants: 58, Chairman: Prof Sudhir S. Bhadauria, Director, UIT-RGPV, Secretary: Dr. Aruna Rawat, Asst. Professor, Civil Engg. Dept., UIT-RGPV









अपशिष्ट पदार्थों से बनी भवन निर्माण सामग्री इको फ्रेंडली

राजीव गांधी प्रौद्योगिकी विवि में दो दिवसीय अंतरराष्ट्रीय काफ्रेंस का हुआ समापन

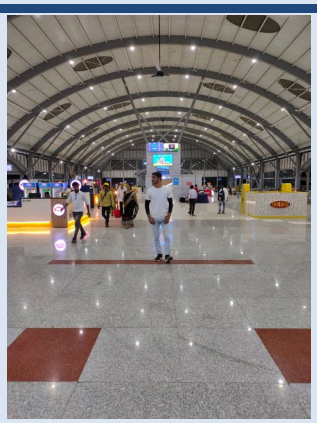
सूत्र प्रदेश संवाददाता, भोपाल

वर्तमान समय में उद्योगों से निकलने वाली अपशिष्ट पदार्थों से भवन निर्माण सामग्री बनाई जा रही है यह प्रचलित सीमेंट की तुलना में पर्यावरण के लिए अनुकूल है इसका उपयोग तेजी से बढ़ा है भवनों के निर्माण में ग्रीन बिल्डिंग सामग्री के उपयोग को बढ़ावा देना चाहिए यह कहना था कांफ्रेंस के चेयरमैन और संचालक सुधीर सिंह भदौरिया का राजीव गांधी प्रौद्योगिकी विश्वविद्यालय के सिविल इंजीनियरिंग विभाग के सस्टेनेबल मैटेरियल एंड सिविल इंफ्रास्ट्रक्चर आयोजित दो दिवसीय अंतरराष्ट्रीय कांफ्रेंस पर मौजूद थे। कार्यक्रम में एएमपीआरआई भोपाल के वैज्ञानिक डॉ मनीष मुगदल ने जियोपॉलीमर कंक्रीट के बारे में बताया। कार्यक्रम के दूसरे दिवस पर बीएनआईटी नागपुर के डॉ. राहुल रालेगांवकर ने एनर्जी एफिशिएंट बिल्डिंग के बारे में जानकारी दी। इस मौके पर प्रो. सुरेश सिंह कुशवाहा विभाग अध्यक्ष मौजूद थे और डॉ अरूणा रावत ने सूत्र संचालन किया।

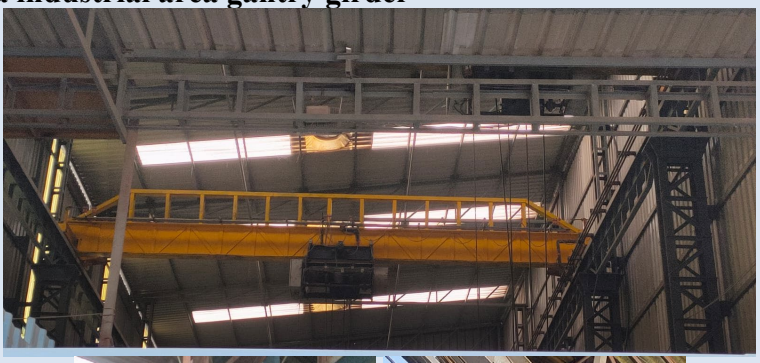
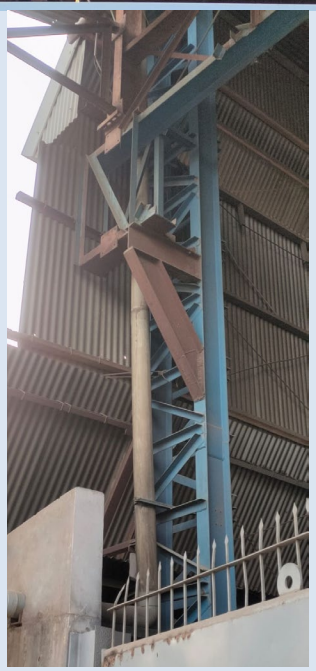
प्रस्तुत हुए 54 कांफ्रेंस शोधपत्रों में ग्रीन बिल्डिंग और इनोवेटिव स्ट्रक्चर संरक्षण में नव विचार भूकंप डिजाइन और संरचनाओं का निर्माण सिविल इंजीनियरिंग में अपशिष्ट पदार्थों के उपयोग रचनाओं का सेवा जीवन जैसे कई महत्वपूर्ण विषय पर शोध पत्र प्रस्तुत किए गए।

Yug Pradesh 28/05/2022

Site visit to Rani Kamlapati railway station



Site visit to Govindpura industrial area gantry girder

Publications by Faculty and Students

Patents:

Saleem Akhtar L-110870/2022, Model for determining the service life of concrete structures (published)

Books:

1. Satish Kumar Jain, Devansh Jain (2022) Construction Planning and Management, Scientific International Publishing House, Mannargudi, TN, ISBN-9789356251908.
2. Devansh Jain, Amit Vishwakarma, Dinesh Gupta (2022) Environmental Protection and Management, Scientific International Publishing House, Mannargudi, TN, ISBN-978-93-5625-171-7.
3. Sanjeev Verma, S S Bhadauria, Saleem Akhtar (Feb 2021), Durability and Service Life of Concrete Structures, Lambart Academic Publishing, 978-620-0-65084-9.

Journals:

1. R Dharmaraj, Sudhir Singh Bhadauria, K Mayilsamy, J Thivya, Alagar Karthick, I Baranilingesan, V Mohanavel, M Muhibbullah, Sameh M Osman (Feb 2022) Investigation of Reinforced Concrete Column Containing Metakaolin and Fly Ash Cementitious Materials, Advances in Civil Engineering, Hindawi, Article ID 1147950, https://doi.org/10.1155/2022/1147950.
2. D. K. Gupta, D. Choudhary, Amit Vishwakarma (April 2022) Microplastics in Freshwater Environment: Occurrence, Analysis, Impact, Control measures and Challenges, International Journal of Environmental Science and Technology;1(32) https://doi.org/10.1007/s13762-022-04139-2.
3. Sanjeev Kumar Verma, Sudhir Singh Bhadauria, Saleem Akhtar (July 2022) Determining Residual Service Life of Concrete Structures Based on Experimental Data, Technological Innovation in Engineering Research, 185-1933, https://doi.org/10.9734/bpi/tier/v6/3418E.
4. Sudhir Singh Bhadauria , Ashita Singh (Mar 2022) Investigating mechanical characteristics of geopolymer concrete under the influence of Nano-fillers, Materials Today: Proceedings, 62(8), 5159-5163,https://doi.org/10.1016/j.matpr.2022.02.504.
5. Batham Geeta, Akhtar Saleem, Rajesh Bhargava (June 2022) Fresh properties of concrete using ultra-fine fly ash and metakaolin (alccofine), International Research Journal of Engineering and Technology (IRJET), 9(6), 2069- 2080.
6. Batham Geeta, Akhtar Saleem, Rajesh Bhargava (June 2022) Manufactured sand concrete: A review, International Research Journal of Engineering and Technology (IRJET), 9(6), 2081-2086.
7. Batham Geeta, Akhtar Saleem, Rajesh Bhargava (June 2022) Fresh, hardened and durability properties of concrete containing mineral admixtures: A review, International Research Journal of Engineering and Technology (IRJET), 9(6), 2357-2374.
8. Batham Geeta, Akhtar Saleem, Rajesh Bhargava (June 2022) Recent Innovations In High Volume Fly Ash Concrete: A Review, International Research Journal of Engineering and Technology (IRJET), 9(6), 2375-2384.
9. Yogita Awasthi , Aruna Rawat (Feb 2022) Project Scheduling of a High-rise Building using Primavera P6, International Research Journal of Engineering and Technology (IRJET) , 9(2), 277-283.

Conference

S. No.	First Author (First Name, Last Name)	Second Author (First Name, Last Name)	Third Author(First Name, Last Name)	Paper Title	Conference Name and Place	Date and Year
1.	Sushil Singh Baghel	Sudhir Singh Bhadauria	Manish Mudgal	A Review on Durability Properties of Geopolymer Concrete	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
2.	Virendra Kumar Ahirwar,	Suresh Singh Kushwah		A Review on Utilization of Sugarcane Bagasse Ash in Concrete and Mortar	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
3.	Faijendra Parihar	Ashita Singh	Sudhir Singh Bhadauria	A Review on Self-Healing Concrete using Bacteria as Healing Agent	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
4.	Md Imran Husain	Aslam Hussain		Effect of scrap tire rubber with partially replacement of natural aggregate on compressive strength of M30 grade of concrete	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
5.	Faijendra Parihar	Ashita Singh	Sudhir Singh Bhadauria	Comparative Study on CO2-Equivalent Emission due to Production of Conventional and Geopolymer Concrete	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
6.	Anandram Sahu	Hirendra Patidar	Kapil Malviya	Comparative Study of Compressive Strength of concrete by Replacing Fine Aggregate with	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT	26-27 May 2022

				Metallic Dust	RGPV Bhopal	
7.	Sushil Singh Baghel	Sudhir Singh Bhadauria	Manish Mudgal	Effect of Chemical Attack on Performance of Geopolymer Concrete: An Overview	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
8.	Sarvesh Yadav	Suresh Singh Kushwah		Review on the Behaviour of Recycled Polyethylene Terephthalate (PET) Plastic Bottle Waste as Fine Aggregates in Construction Material	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
9.	Satish Kumar Ahirwar	Aruna Rawat		A Review Study on Effect of Soil-structure Interaction of Irregular/Asymmetrical Reinforced Concrete Building	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
10	Toshi Bhavsar	S. S. Kushwah	Aruna Rawat	A Review on Curved Retaining Wall	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
11	Toshi Bhavsar	S. S. Kushwah	Aruna Rawat	Parametric Analysis of Embedded Retaining Walls using Tie Back Wall in Deep Excavation	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
12	Rahul Patel	Suresh Singh Kushwah	Aruna Rawat	Embodied Energy Analysis of Exterior walls of Building	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
13	Prateek Singh Choudhary	Satish kumar Jain	Anupam Sharma	Behavior of Geogrid Reinforced Foundation System Rest on Soft Soil: A Review	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
14	Hirendra Pratap Singh	Anupam Sharma	Prateek Singh Choudhary	Experimental Analysis of the Physical Properties of Papercrete Prepared by Paper Pulp	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
15	Anupam sharma	Amit vishwakarma	S. S. Kushwah	A review study of heavy metals detection in water quality affected by C & D wastes in Bhopal city	4th International conference on sustainable materials & structures for civil infrastructures, Organized by UIT RGPV, Bhopal (M.P.) under TEQIP-III	26-27 May 2022
16	Anupam Sharma			Water quality assessment of city of Bhopal affected by construction and demolition	Sustainable Habitat, Energy, Climate Change and environment Madhya Pradesh Vigyan Sammelan & Expo (MPVS-2021)	22-25 Sec2022
17	Vikas Jain	Suresh Singh Kushwah		A Review on Seismic Analysis of a Multi-Storied Building with Irregularities	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
18	Waseem Khan	Saleem Akhtar	Aruna Rawat, Anindya Basu	Analytical Study of Chloride Attack on Load Carrying Capacity of Reinforced Concrete Beam	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
19	Ashish Kumar Gupta	Sudhir Singh Bhadauria	Aruna Rawat	Free Vibration Analysis of the Tall Reinforced Concrete Chimneys	4th International Conference (Online) on Sustainable Materials and Structures for	26-27 May 2022

					Civil Infrastructures, UIT RGPV Bhopal	
20	Aashish Kumar Jain	Rajesh Bhargava	Aruna Rawat	Vibration Analysis of Steel Silos using Varying Filling Conditions	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
21	Suneel Kumar Soni	Ashita Singh	Sudhir Singh Bhadauria	A review paper on green building and different rating system in India	4th International Conference (Online) on Sustainable Materials and Structures for Civil Infrastructures, UIT RGPV Bhopal	26-27 May 2022
22	Nirjhar Gupta,	Jitendra Patel	Amit Vishwakarma	Urban Organic Waste as a Source of Bioenergy for Electricity Generation in Bhopal, Madhya Pradesh	2nd International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)	24-25 June, 2022

WS/FDP /STTP/Seminar/Conference/Training Programme Attended

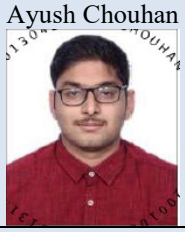
Sr.no.	Name of Faculty	WS/FDP / STTP / SEMINAR / CONFERENCE / TRAINING PROGRAMME	Title of Programme	Name of Institution/ Organization	No. of days	from date	to date
1.	Amit Rai	Webinar	Airport lighting and traffic control	UIT-RGPV, Bhopal	1	12-03-22	
2.	Amit Rai	Webinar	Bhartiya Vangamya me Sadguna Sampann Deshbhakti	UIT-RGPV, Bhopal	1	15-04-22	
3.	Amit Rai	Webinar	Intellectual Property Right Awareness Program	National Intellectual Property Awareness Mission (NIPAM) and UIT-RGPV, Bhopal	1	25-02-22	
4.	Amit Vishwakarma	International conference	4th International Conference (online) Sustainable Materials and Structures for Civil Infrastructures	Civil Department UIT RGPV Bhopal	2	26 -05-22	27-05- 22
5.	Anupam Sharma	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	Civil Department UIT RGPV Bhopal	2	26 -05-22	27-05- 22
6.	Aruna Rawat	FDP	Aspects of Sustainable Construction Practices	AICTE Training And Learning (ATAL) and Government College of Engineering, Nagpur	5	03-01-22	07-01-22
7.	Ashita Singh	FDP	Aspects of Sustainable Construction Practices	AICTE Training And Learning (ATAL) and Government College of Engineering, Nagpur	5	03-01-22	07-01-22
8.	Ashita Singh	International conference	4th International Conference (online) Sustainable Materials and Structures for Civil Infrastructures	Civil Department UIT RGPV Bhopal	2	26 -05- 22	27-05- 22
9.	Ashita Singh	National workshop	Artificial Neural Networks and its Applications in Civil Engineering	Civil Department UIT RGPV Bhopal	1	01-04-222	
10	Aslam Hussain	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	Civil Department UIT RGPV Bhopal	2	26 -05- 22	27-05- 22
11	Kapil Malviya	Webinar	An Introduction To Road Safety Engineering	UIT-RGPV, Bhopal	1	04-03-22	
12	Kapil Malviya	Webinar	IP awareness/Training program under National Intellectual property awareness mission	NIPAM	1	25-02-22	

13	Kapil Malviya	Webinar	Green Building	UIT-RGPV, Bhopal	1	11-03-22	
14	Kapil Malviya	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	UIT RGPV, Bhopal	2	26-05-22	27-05-22
15	Prateek Singh Choudhary	Webinar	Introduction to geosynthetics and its application in civil engineering	UIT-RGPV, Bhopal	1	04-03-22	
16	Prateek Singh Choudhary	Webinar	Airport lighting and Traffic control	UIT-RGPV, Bhopal	1	12-03-22	
17	Prateek Singh Choudhary	Webinar	Green Building	UIT-RGPV, Bhopal	1	11-03-22	
18	Prateek Singh Choudhary	National Workshop	Artificial Neural networks and its application in civil engineering	UIT-RGPV, Bhopal	1	01-04-22	
19	Prateek Singh Choudhary	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	UIT RGPV Bhopal	2	26-05-22	27-05-22
20	Rahul Patel	Webinar	Airport Lighting & Traffic Control	UIT RGPV Bhopal	1	12-03-22	
21	Rahul Patel	Webinar	National Intellectual Property Awareness Mission"	UIT RGPV Bhopal	1	25-02-22	
22	Rahul Patel	National workshop	Artificial Neural Networks and its Applications in Civil Engineering	UIT RGPV Bhopal	1	01-04-22	
23	Rahul Patel	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	UIT RGPV Bhopal	2	26-05-22	27-05-22
24	Saleem Akhtar	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	UIT RGPV Bhopal	2	26-5-22	27-05-22
25	Sudhir Singh Bhadauria	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	UIT RGPV Bhopal	2	26-5-22	27-05-22
26	Suresh Singh Kushwah	International conference	4th international Conference (online) Sustainable Materials and Structures for Civil Infrastructures	UIT RGPV Bhopal	2	26-5-22	27-05-22

Students Achievements

A. Student's achievement in GATE 2022

S.No.	Student name	Enrollment No.	Semester	GATE 2022 score	Rank in GATE 2022
1	Harsh Singh	0101CE181030	8th	465	5964
2	Bhoopesh Kumar Parte	0101CE181018	8th	286	21225

3	Daran Abdullah Khan	0101CE181023	8th	333	14793
4	Abhishek Maywad	0101CE191004	6th	429	7532
5	Ayush Chouhan 	0101CE191018	6th	357	12386
6	Shivam Tiwari	0101CE191058	6th	406	8828
7	Anupam Mishra	0101CE203D01	6th	459	6159
8	Siddhant Mishra	0101CE191063	6th	406	8828

Students participated in extracurricular activities:

Sr. no.	Student's Name	Enrollment No.	Name Of The Activity / Event	Date of Event	Sem.	Name Of The Organizing Institute
1.	Akhilesh Dongre	0101CE211002	Republic Day Parade Delhi Rajpath	26-01-22	1	UIT RGPV
2.	Aman Singh	0101CE191010	State level cricket tournament	07-02-22	6	UIT RGPV
3.	Ayush Singh Parihar	0101CE211012	NIPAM Event	25-02-22	1	UIT RGPV
4.	Asmi Shivalika Verma	0101CE181015	Asmi Shivalika verma	25-02-22	8	UIT RGPV
5.	Devdeep Dwivedi	0101CE203D03	Financial Awareness Program	12-03-22	6	Govt. Polytechnic college

						Damoh
6.	Purnoor Sheikh	0101CE181045	Children's book illustration	15-03-22	6	RIYAZ ACADMEY
7.	Suhasini Dehariya	0101CE191065	It is the CATC camp for "C-certificate" of NCC	21-03-22	6	1MP CTR NCC BHOPAL
8.	Sumit Agrawal	0101CE201063	Online National Workshop on Artificial Neural Networks and its Applications in Civil Engineering	01-04-22	4	UIT RGPV

Agam Sharma (0101CE21ME02) and his team won Cricket Tournament at RKDF University, Bhopal.

Editorial Board

Editors:	Prof. S. S. Kushwah, Head, Civil Engg. Dept., UIT-RGPV, Bhopal Dr. Aruna Rawat, UIT-RGPV, Bhopal
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