THIRD-EYE

NEWSLETTER VOLUME 2 ISSUE 4

NEWSLETTER S
DEPARTMENT OF CIVIL ENGINEERING

SHRI SHANKARACHARYA INSTITUTE
OF PROFESSIONAL MANAGEMENT &
TECHNOLOGY, RAIPUR



THIRD-EYE

220

IN THIS ISSUE

- Chairman's Message
- Principal's Message
- Head of Department's Message
- Vission & Mission
- Activities & Events
 - Collaborative Events
 - ACE Events
 - IGS STUDENT CHAPTER Events
 - Departmental Activities
- Department's Achievements
- Student's Achievements
 - Training & Placement
 - Conferences Attended (Students UG/PG)
 - Conferences Attended (Faculty)
 - Industrial/ Site Visits
 - Internship
- Message from Creative Team
- Message From Editorial Board



SHRI NISHANT TRIPATHI

CHAIRMAN (B G), SSIPMT, RAIPUR

I am delighted to know that Civil Engineering Department of SSIPMT is bringing out their Bi-Annual News Letter showcasing their activities, initiatives and achievements in addition to technical articles. Civil Engineering is one of the oldest recognized branches of engineering that, even today for most of the old timers Engineer implicitly meant Civil Engineer. It could be because all their activities could be visibly seen in the form of roads, buildings, bridges, dams, airports etc. The other engineering disciplines may change with times in evolving, reshaping, merging etc. but civil engineering will maintain its unique identity. In-spite of being the oldest discipline, it is still evolving and many new developments are taking place, to make their constructions less costly and affordable, environment friendly and more safer. Lot of research activities are going on in the form of low cost housing, green buildings, constructions which can withstand severe weather and natural calamities. I am happy that Department of Civil Engineering at SSIPMT is keeping up with times by framing and teaching syllabus which includes current trends and also carrying out research activities. The innate desire to bring this newsletter shows their unique identity. I compliment the faculty of Civil Engineering Department for their initiative and wish them all the best in all their future Endeavours.



DR.ALOK KUMAR JAINPrincipal, SSIPMT, Raipur

Education is not only an act of acquiring knowledge but learning a skill to lead life and forming one's personality. This is an ennobling process of growth. I can broadly say that we have excelled in every initiative that we undertookand we have stood together in facing the challenges in realizing quality education. SSIPMT has been actively involved in various activities that have brought to light the hidden talents of the college students and faculty. I am happy to note that the Department of Civil Engineering is coming out with their Bi-Annual Newsletter. TheNewsletter is presenting a glimpse of the growth of the Department on many fronts. I congratulate the department for their commitment towards the provision of excellent all round education for our students. I also wish them to move forward with confidence, pride and enthusiasm.



DR.TARUN KUMAR RAJAK

HOD, Civil, SSIPMT, Raipur

I am very happy that our Civil Engineering Department is releasing the volume 2 , 4th issue of Department Newsletter Each issue of this newsletter is a proud milestone of our events that marks our growth, unleashes our imaginations and measures our professionalism. This issue also carries out the vibrant faculty and student creations. Newsletter is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculty who are continuously supporting the students for their academic excellence. I congratulate the editorial team for their great efforts to make this news letter as a reality. Also I invited the readers of 'Newsletter' for contribution and suggestions.

"Never stop fitting until you arrive at your destined place - that is , the unique you. Have an aim in life continously acquire knowledge, work hard , and have perseverance to realise that great life" - A. P. J. Abdul Kalam

INSTITUTE VISON AND MISSION

"To premier be technical institute in country the that innovationimparts driven education to nurture value-based future competent professionals."

The institute will focus on producing competent future professionals by:

- Partnering and collaborating with industry and government in producing knowledge and addressing socially relevant problems.
- Creating infrastructure and good practices that foster innovation-based education.
- Providing experiences that lead students becoming good engineers.

DEPARTMENTAL VISION AND MISSION

it

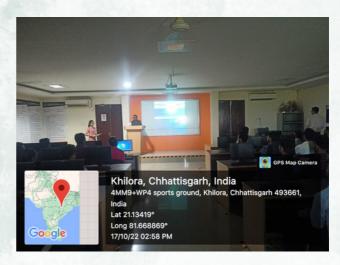
of Civil field the Engineering and contribute constructively towards regional and national development."

"To be a pioneer in

- To create and sustain an academic environment that will equip students with value based engineering knowledge and broad set of skills.
- To mold the students with inquisitive attitude that will enable them to apply innovative and ethical thinking.
- To develop competent professionals and entrepreneurs to take responsibilities and challenges for betterment of society.

COLLABORATIVE ACTIVITIES

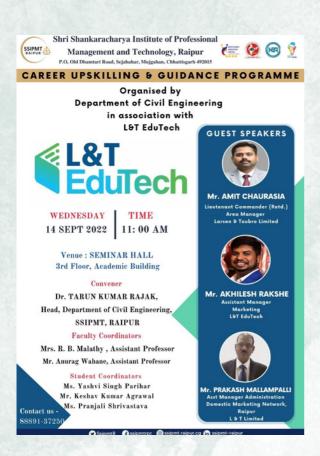




24 AUGUST 2022

Department of Civil Engineering with the association of Institute Innovation Council SSIPMT, Raipur has organized one day workshop on "Innovation, R & D Investment and Productivity in Chhattisgarh". This workshop was held on 24th August 2022 at Academic Building, CSF-23, Digital Classroom, SSIPMT, Raipur. The Speaker of this event – Dr. J. P. Patra, Professor & Head, Department of Computer Science Engineering was gave insights on Research and Development and Innovations to the participants.

COLLABORATIVE ACTIVITIES





14 SEPTEMBER 2022

Department of Civil Engineering, SSIPMT, Raipur and L&T EduTech hosted a One-day Seminar (offline mode) on "Career Upskilling & Guidance Programme" on 14th September 2022 at 11:00 AM The Speaker of this event - Lieutenant commander Amit Chaurasia sir, Area Manager, Head of the L&T EduTech. Mr.Akhilesh Rakshe sir, Asst. Manager, Mr. Prakash Mallampalli sir, Marketing Head was welcomed by Dr. Tarun Kumar Rajak (Head of the Department Civil Engineering, SSIPMT and Joint Secretary IGS Raipur Chapter) & Dean of Training and Placement Mr. Nitin Jain. In the seminar, speaker has discussed about the various industries of L&T. The core objective of the program is to enhance the technical acumen and professional understanding of the students, making them industry-ready.

COLLABORATIVE ACTIVITIES





25 NOVEMBER 2022

IIC SSIPMT Raipur in association with Department of Civil Engineering organized a One day workshop on "Basics of intellectual Property Rights for faculty member and students. Intellectual Property Right plays a key role in gaining advantages position to promote economic growth of our nation. To create awareness about the need and importance of Intellectual Property Rights (IPR) among the faculty and students through workshops. This workshop was held on 25th November 2022 at Academic Building, CSF -23, Digital Classroom, SSIPMT Raipur. The speaker of this event - Dr. Saket Ranjan Praveer, Professor, Department of Management Studies. The workshop turned out to be quite knowledgeable session as it provided the required insight of the topic to participants.

COLLABORATIVE ACTIVITIES





02 DECEMBER 2022

IIC in association with Department of Civil Engineering and IGS student Chapter, SSIPMT Raipur Organized a seminar on National Pollution Control Day 2022 on 2nd of Dec, National Pollution Control Day is celebrated on 2nd Dec annually to remember the people who lost their life in Bhopal Gas Tragedy in year 1984. Dr. Alok Kumar Jain, Principal, SSIPMT Raipur was the speaker of the session. He gave his valuable thoughts on Pollution, its prevention and protecting the environment by conserving natural resources by strengthening economic growth through more efficient production and less need for household businesses and communities to handle frame.

COLLABORATIVE ACTIVITIES



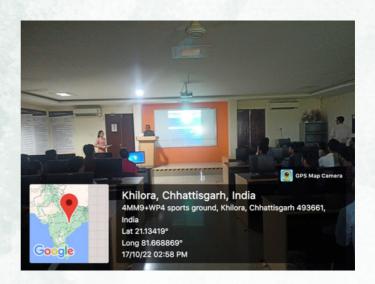


13 OCTOBER 2022

Department of Civil Engineering with the association of Institute Innovation Council SSIPMT, Raipur has organized one day "ICT Training for Faculty Members". This training was held on 14th October 2022 at Academic Building, CSF-23, Digital Classroom, SSIPMT, Raipur. The Speaker of this event – Mr. Manish RK Sahu, Assistant, Department of Mechanical Engineering gave insights on insight on a series of ICT tools that implicitly support creative learning and innovative teaching. He guided all the faculty members very effectively throughout the session. The Training program aimed at developing the leadership skills as well as improving the capacity of teachers.

COLLABORATIVE ACTIVITIES





17 OCTOBER 2022

Department of Civil Engineering, SSIPMT, Raipur and Institute Innovative Council Celebrated the "National Innovational Day 2022" (offline mode) on 17th October 2022 at 1:00 PM. The Speaker of this event were Dr. Alok Kumar Jain , Principal , Shri Shankaracharya Institute of Professional Management and Technology Raipur and was welcomed by Dr. Tarun Kumar Rajak (Head of the Department Civil Engineering, SSIPMT and Joint Secretary IGS Raipur Chapter). In the seminar, speaker has discussed about the inventors and encourage young people to be creative and innovative.

ACE ACTIVITIES





30 SEPTEMBER 2022

On the auspicious occasion of Navratri, "The RAASGARBA 2.0" was organized by the Association of Civil Engineering and Cultural Committee of Shri Shankaracharya Institute of Professional Management and Technology, Raipur, on 30th September. In which Hon. Shri Nishant Tripathi (Chairman, BG), SSIPMT Raipur and Mrs. Suman Tripathi (Director, JSCN), were present as Chief Guest. Dr. Alok Kumar Jain (Principal SSIPMT, Raipur) as special guest and Ms. Tiya Ambani as judge.

ACE ACTIVITIES





20 NOVEMBER 2022

Department of Civil Engineering & Indian Geotechnical Society (IGS) Student Chapter, SSIPMT, Raipur in association with NIT Raipur conducted a Faculty Development Programme on Geo-Environmental & Geo-Transportation Engineering from 27th June to 1st July 2022. By this we got the opportunity to get knowledge and update ourselves with the state of the art in the field of Geotechnical, Geo-Transportation & Geo-Environmental Engineering from eminent educationalists from different deemed institutes of the Country.

IGS ACTIVITIES





17 OCTOBER 2022

Department of Civil Engineering and IGS Student Chapter SSIPMT, Raipur. Hosted one day workshop on the topic "Soil Exploration". The Guest Lecturer of today's Webinar Mr. SAGAR TUKRANE, Assistant Professor at Sanjivani College of Engineering, Maharashtra was welcomed by Dr. TARUN KUMAR RAJAK (Head, Department of Civil Engineering, SSIPMT). It was a very knowledgeable webinar and great concept and idea regarding the introduction of soil exploration, methods of Site Exploration and soil investigation. The process of collection of soil data for the assessment soil properties at a site through series of laboratory and field investigation is collectively called Sub-soil Exploration.

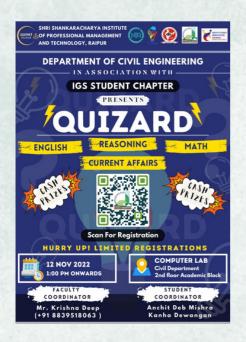
IGS ACTIVITIES



17 OCTOBER 2022

Department of Civil Engineering, SSIPMT, Raipur and IGS Student Chapter SSIPMT, Raipur hosted a One-day Seminar (online mode) on "Research Paper Writing 2022" on 17th Oct 2022 at 11:00 AM onwards through google meet link. The Speaker of this event – Dr.Manish Kumar, Assistant Professor, SRMIST Tiruchirappalli, was welcomed by Dr. Tarun Kumar Rajak (Head of the Department Civil Engineering, SSIPMT, and Joint Secretary IGS Raipur Chapter). In the seminar, the speaker discussed the various key points about research paper writing.

IGS ACTIVITIES



12 NOVEMBER 2022

Department of Civil Engineering is association with IGS Student Chapter SSIPMT Raipur organized a seminar, discussion and demonstration on the topic "Working Models and their Preparation" on 14th May 2022. Through this seminar students were able to understand the importance of practical implications and applications of their technical knowledge in daily aspects. The whole event was organised to work on the principle on "Project Based Learning" is a prerequisite of Technical Learning Process. The Faculty Coordinator was Mr. Divyarth Manas, Assistant Professor, Department of Civil Engineering.

IGS ACTIVITIES





30 NOVEMBER 2022

Department of Civil Engineering and IGS Student Chapter SSIPMT, Raipur Organized Design & Drafting Competition on 30th November 2022, Venue Computer lab (CSF-23). This is a contest Design & Drafting to expose students to design drawing and the construction industry. The contest provides recognition to students for creative design, successful problem solving and craftsmanship in preparing architectural drawings. Entries are evaluated for detail, accuracy and originality of work.

DEPARTMENTAL ACTIVITIES



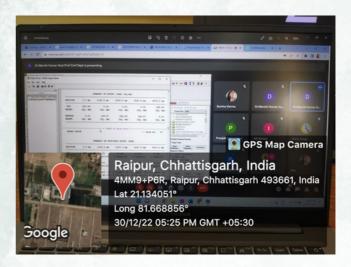


08 DECEMBER 2022

Department of Civil Engineering in association with MADE EASY Organized a seminar/technical session on Career Guidance for Engineering Graduates on 8th of Dec, Venue Computer lab (CSF-23). The session was conducted to make the students aware about their career insights and also different career opportunities available after becoming a graduate. Mr. Shishir Persai, Senior Faculty, Made Easy was the speaker of the session. He gave his valuable thoughts on different job-related opportunities after engineering for students.

DEPARTMENTAL ACTIVITIES



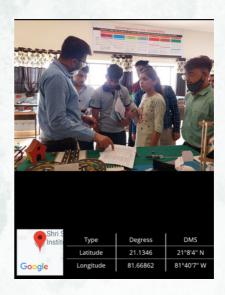


29-31 DECEMBER 2022

Department of Civil Engineering, SSIPMT, Raipur has organized a Teachers Training Programme on "Structural Analysis and Design Using Staad Pro Software". This programme was held online on 29th Dec 2022 to 31st Dec 2022. By this Teachers Training programme we got the opportunity to learn new skills and knowledge about Structural Analysis and Design Using Staad Pro Software. The objective of the Training Program is to familiarize the faculties about the basics of the STAAD Pro software.

DEPARTMENTAL ACTIVITIES





30 DECEMBER 2022

Department of Civil Engineering in association with IIC organized a Technical Competition on Theme – Innovation. The topic was "Working Models & Their Preparation – A Small step towards Project based learning". Through this Competition, students were able to understand the importance of practical implications and applications of their technical knowledge in daily aspects. Preparation of Working Models and their demonstration through their applications in different aspects of engineering increases the ability of students towards research and different methodologies. The whole event was organized to work on the principle of "Project Based Learning" is a prerequisite of Teaching-Learning Process.

STUDENT ACHIEVEMENT

PLACEMENT

BYJU'S



Vidhi Sharma 6 LPA

INFOSYS



Bhavika baghel 3.6 LPA

COLLABRA SERVICES PVT. LTD



Priyanka saxena
2.5 LPA



Srikant sarda
2.5 LPA



Shree tiwari
2.5 LPA

RPR CONSTRUCTION



Mayank Sinha

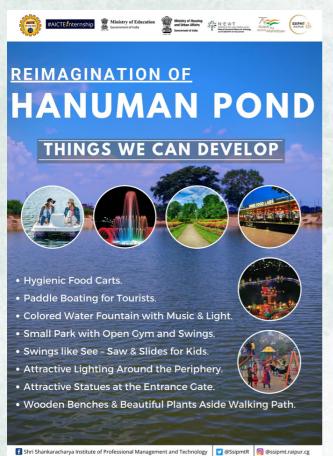


1.5 LPA

Rahul banjare

DEPARTMENT'S ACHIEVEMENTS

MISSION AMRIT SAROVAR





The Honorable Prime Minister Shri NARENDRA DAMODARDAS MODI launched a mission known as "Mission Amrit Sarovar" on 24th April 2022 to conserve the water for future. Shri Shankaracharya Institute of Professional and Management Technology, Raipur has been selected in the Mission Amrit Sarovar - JAL DHAROHAR SANRAKSHAN which involves rejuvenation and protection of water body of "Hanuman Pond". The team consists of 15 no. of students from Department of Civil Engineering, SSIPMT Raipur, Mr. Toshan Singh Rathour (INO), ULB officers Mr. Yogeshwar Upadhyay (CMO, Patan-Durg) and Mr. Thaneshwar Verma (Sub-Engineer, Patan-Durg). The present report described the observation between 20th July to 05th August.

STUDENT ACHIEVEMENT

SMART INDIA HACKATHON

धान के भूसे और नारियल के बुरादा से बनाया प्लाईवुड, इससे बचेंगे पेड़

एजुकेशन रिपोर्टर मिलाई

सिविल इंजीनियरिंग के विद्याधियों ने पेड़ों का कटाने बचाने और पर्यावरण की रक्षा की दिशा में एक नवाचार किया है। धान के भूसे नारियल के बुरादे को संघनित कर प्लाईवुड बनाया है। यह सामान्यत: बाजार में मिलने वाले प्लाईवुड का विकल्प भी है और उससे अधिक मजबूत भी है। श्रीशंकराचार्य इंस्टीट्यूट ऑफ ग्रोफेशनल मैनेजमेंट एंड टेक्नोलॉजी रायपुर के सिविल विभाग के भाव इंजीनियरों ने यह काम किया है। इसके लिए उन्हें अंगोल आंध्रप्रदेश में हुए स्मार्ट इंडिया हैकाथॉन-2022 में प्रथम स्थान प्राप्त किया। एक लाख रुपए के इनाम जीते।

विद्यार्थियों को यह चुनौती स्वच्छ भारत मिशन (ग्रामीण) जल शक्ति मंत्रालय से मिला था। विषय था रैपिड डिकंपोजीशन ऑफ वेस्ट मटेरियल इन रूरल एरियास। इसके तहत विद्यार्थियों ने करीब चार महीने से काम करना शुरू किया। इस टीम में ट्रिकंकल देवांगन, अक्षत सिंह राजपृत, अभिषेक वर्मा, आकाश साहू, आदित्य सिंह भुआल और प्रतिमा साहू शामिल थीं। उनके मेंटर थे अनुराग वहाणे और अनंत कुमार।



अंगोला में हुए हैकाथॉन में एसएसआईपीएमटी के विद्यार्थियों ने जीता पहला पुरस्कार।

प्लाईवुड के लिए पेड़ों को काटना नहीं पड़ेगा, यह काफी सस्ता होगा

संस्था के सिविल इंजीनियरिंग विभागाध्यक्ष डॉ. तरूण कुमार रजक ने बताया कि परंपरागत तरीके से केबिनेट का निर्माण प्लाईबुड से किया जाता है। इसके लिए हर साल 15 करोड़ पेड़ काटे जाते हैं। इसकी तुलना में सिर्फ 5 करोड़ पौधे ही लगाए जाते हैं। इन्हीं बातों को ध्यान में रखते हुए टीम ने प्लाईबुड का नया विकल्प खोजा गया। इससे पेड़ों की कटाई करने की अधिक जरूरत नहीं होगी।

लोगों की सहायता के लिए नई-नई चीजें खोजकर लाने की संभावना बढ़ी

संस्था के चेयरमैन निशांत त्रिपाठी ने बताया कि लगातार निर्माण कार्य हो रहे हैं। इसके अनुसार नई-नई चीजों की जरूरत भी पड़ रही है। इसकी वजह से लगातार सिक्लि ब्रांच की मांग विद्यार्थियों के बीच बनी हुई है। इसमें रोजगार और स्वरोजगार की भी असीम संभावनाएं हैं। साथ ही इसमें शोध और नई-नई चीजों को खोजकर सामने लाने की संभावना बढ़ गई है। यही कारण है कि सिक्लि के विद्यार्थी लगातार आगे बढ़ रहे हैं।

The students from the Civil Department of SSIPMT Raipur have won the first prize at the Smart India Hackathon 2022 held in Pune. The team consisting of Twinkle Dewangan, Abhishek Verma, Akshat Singh Rajput, Akash Sahu, Aditya Singh Bhual, and Pratima Sahu competed against several other teams and emerged victorious in their problem statement of "Rapid decomposition of waste in rural areas." The team's innovative solution impressed the judges, and they were awarded a cash prize of 1 lakh rupees. The success of the team can be attributed to the hard work and dedication of the students and their mentors, Anurag Wahane and Anant Kumar. This achievement is a testament to the exceptional talent and skills of the students from SSIPMT Raipur and showcases their ability to develop innovative solutions to pressing issues faced by society.

CONFERENCES ATTENDED(STUDENTS UG)

S.No.	NAME OF STUDENTS	Title of the Paper	Journal/ Conference Name
1	Bhavesh Kumar Kashyap, Harshit Mishra, Mayank Verma, Abhishek Bisen, Shubham Tiwary, Anurag Wahane, Dr. Alok Kumar Jain	Synchronization of Optimized Traffic Signals Designed by Webster method along Six Intersections of Raipur City from Sharda Chowk to Telibandha Chowk	International Conference on Sustainable Technology and Advanced Computing in Electrical Engineering (ICSTACE), 2021
2	Nikhil Sahu,Jay Kumar Sahu, Aditya,Anant Kumar	An experimental investigation of paver block using polypropylene waste and industrial ashes	ICRAMERD22 12th-13th August 2022- SIKSHA 'O' ANUSANDHAN UNIVERSITY
3	Anurag Wahane, Swaraj Padamwar, Devendra Sahu , Jivendra dewangan	Investigation & Validation of Structures with Variation in Location of increased length and Discontinuation of Vertical Element	ICRISET-2021
4	Rishabh Das, Arvind Tandon, Mukesh Sahu, Sneha Patel, Anurag Wahane	Evaluation of Composite Panel Made with Waste Newspaper and Wood Dust	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
5	Krishna Deep , Romendra Yadav , Soumya Chakradhari , Lyukendra Deshahare , Shrijal Dubey	Experimental Study of Compressive Strength and Water Absorption property of Brick by partial replacement of Rice Husk by Fly Ash	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
6	Anurag Wahane, Bhupendra Telasi , Chirag Dewangan , Ish Kumar Sahu , Sarjun Kumar Bharadwaj	Effect of Compressive Strength of Concrete by Replacement of Cement by Rice Husk Ash & Bamboo Leaf Ash	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
7	Pankaj Sahu, Yukta Sahu , Nidhi Ukey , Ashfaque Ali , Anant Kumar	Study of Compressive Strength of Concrete by Partial Replacement of Fine Aggregate with Quarry Dust	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
8	Rajan Kumar Singh , Mrigendra Patel , Rahul Gupta , Balwant Gurjar , Vineet Anchal	Analysis of Pervious Concrete	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)

CONFERENCES ATTENDED(STUDENTS PG)

S. No.	Name of Authors	Title	Journal/ Conference Name
1	Ankush Thakre, Dr. Tarun Kumar Rajak	Utilization of Waste Sole Leather with Fly Ash for Self-compacting Concrete	International Conference on Advances in Earth and Environmental Studies
2	Aman Jitendra Dhadiwal, Tarun Kumar Rajak	NSM Technology with GFRP and Sisal Rope Fibre for Flexural Strengthening of RC Beams	ICRAMERD22 12th-13th August 2022- SIKSHA 'O' ANUSANDHAN UNIVERSITY
3	Chandresh, Md. Parvej Alam	To Study the Effect of Geopolymer Concrete by Using Metakolin & Bottom Ash	ICRAMERD22 12th-13th August 2022- SIKSHA 'O' ANUSANDHAN UNIVERSITY
4	Manisha verma , Md. Parvej Alam	Experimental study on metakaolin and nano alumina based concrete	ICRAMERD22 12th-13th August 2022- SIKSHA 'O' ANUSANDHAN UNIVERSITY
5	Abhishek Mishra , Parvej Alam	Finite Element Method and P- delta analysis of G+10 multistorey Frame bulding structure by using etabs software.	SESBT 2022
6	Aajma Kaushal , Himanshu Shrivastava	An Innovation on Properties of Foam Concrete with Different Admixture	International Journal of Scientific Research in Engineering and Management
8	Reena Sahu , Anurag Wahane	Numerical Analysis and Validation of Irregularity in Moment Frame Structure Due to Varying Location of Tuned Mass Damper	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
9	Barkha Verma, Mohd Sadique Khan	Seismic Analysis of Multi-Story RCC Structure with Flat, Grid and Conventional Slab	JETIR
10	Aditi Dubey , Toshan Singh Rathour	Analysis of Bridge Pier as per Different Seismic Zone of India	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
11	Bharat Kumar Dulani , Dr. Tarun Kumar Rajak	Strength improvement of Black Cotton Soil Stabilized with Steel Slag and Rice Husk Ash	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
12	Ujjwal Thakur, Rajan Kumar Singh	Developing an efficient deep learning model for anomaly detection for monitoring the structural health of buildings	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
13	Mukesh Kumar Gupta , Toshan singh Rathour , Sanjay Shukla	Design of an Industrial Structure Using Limit State Method and Working Stress Method by Angle and Compare with Tubular Section	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
14	Menda Babu Rao, Toshan Singh Rathour	Analysis & Design of Composite Prestressed Concrete I-Girder Bridge Using MIDAS Civil	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)

CONFERENCES ATTENDED(STUDENTS PG)

15	Ravi Kumar Khandel , Dr. Tarun Kumar Rajak	Behaviour of Deep Excavation with Diaphragm Wall and Strut Member	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
16	Toshan Singh Rathour , Priya Pal	Parametric Study of Low Calcium Fly Ash Based Geopolymer Concrete	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
17	Md. Parvej Alam , Neeraj Kumar Sahu	A Comparative Study of Waffle Slab	Mathematical Statistician and Engineering Applications
18	Ashish Soni, Parvej Alam	Self-Cured Concrete Using Water Retaining Agents	Mathematical Statistician and Engineering Applications
19	Reena Sahu, Pradeep Kumar Ghosh, Anurag Wahane, Sri Ram Krishna Mishra, Sanket Shrivastava	"Seismic Behavior of Torsional & Mass Irregularity Due to Consideration of Tuned Mass Damper at Different Position of Building"	Mathematical Statistician and Engineering Applications
20	Sagar Dubey, Pradeep Kumar Ghosh, Barkha Verma, Anurag Wahane, Ravi Kumar Khandel	Buckling Analysis of Perforated Hot Rolled Steel Sections	Mathematical Statistician and Engineering Applications
21	Robin Singh, Barkha Verma	Comparative Study of the Seismic Performance of Tubular Frame, Diagrid, Pentagrid, and Hexagrid Structural Systems using ETABS	Mathematical Statistician and Engineering Applications
22	Meraz Ali, Barkha Verma	Analysis of Non-Parallel Lateral Force System Irregularity in RCC Structure Using ETAB	Mathematical Statistician and Engineering Applications
23	Shubham Singh, Barkha Verma	Retrofitting of Skyscraper Building By Using Time History Analysis	Mathematical Statistician and Engineering Applications
24	Ujjwal Thakur, Rajan Kumar Singh, Sanjeev Ashatkar	Developing An Efficient Deep Learning Model For Anomaly Detection For Monitoring The Structural Health Of Buildings	Mathematical Statistician and Engineering Applications

CONFERENCES ATTENDED (FACULTY)

Sn	Title of paper	Name of the author/s	Name of journal/CONFERENCE
1	Experimental Investigation of Concrete with Cementitious Waste Material such as GGBS & Fly Ash over Conventional Concrete	ANANT KUMAR	3rd International Conference on RecentAdvances inMechanical Engineering Research and Development (ICRAMERD-2022)
2	"Effect in mechanical and physical properties of bricks due to addition of waste polyethylene terephthalate"	ANURAG WAHANE	3rd International Conference on RecentAdvances inMechanical Engineering Research and Development (ICRAMERD-2022)
3	Effect of GGBS on Strength Characteristics and Stability of Pond Ash Mixed Soil Embankment	Dr. Tarun Kumar Rajak	ISTCE 2021, IOP Conf. Series: Earth and Environmental Science 982 (2022) 012049 IOP Publishing,
4	Utilization of Waste Sole Leather with Fly Ash for Self- compacting Concrete	Dr. Tarun Kumar Rajak	International Conference on Advances in Earth and Environmental Studies , IOP Conf. Series: Earth and Environmental Science , 1032 (2022) 012002
5	An improved iterative technique for inelastic time history analysis of single degree of freedom (SDOF) elasto-plastic system	Malathy R.B., Bhat G., Dewangan U.K	Journal of Building Pathology and Rehabilitation
6	Assessment of Seismic Response in Building having Diaphragm Discontinuity Irregularity Provided in Different Location	Anurag Wahane , Pradeep Kumar Ghosh , Sri Ram Krishna Mishra	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
7	Effect on the Mechanical Properties of Human Hair as a Fiber in Cement Concrete	ANANT KUMAR, Anurag Wahane, Barkha Verma, Satish Tejwani, Sangeet Sharma	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
8	Indian Standard Mix Proportioning Codes revisions and Discussion	Barkha verma, Anant Kumar , Anurag Wahane , Naman Jain	International Journal of Futuristic Innovation in Engineering, Science and Technology (IJFIEST)
9	Experimental Analysis of Green Paver Block using Waste Material	Divyarth Manas, Himanshu Agrawal, Krishna Deep, Vidhi Sharma, Barkha Soni, Anant Kumar	Mathematical Statistician and Engineering Applications
10	Modern Construction Techniques on Concrete In Extreme Weather Conditions	Krishna Deep, Sarika Ghamforia, Anant Kumar, Divya Tamrakar, Divyarth Manas	Mathematical Statistician and Engineering Applications
11	Effect of its Mechanical Properties on Concrete Mix were sand is Partially Replaced with Industrial Ash	Anant Kumar, Krishna Deep, Anita Chaturvedi, Sarika Ghamforia	Mathematical Statistician and Engineering Applications

INDUSTRIAL/SITE VISIT

7th Semester Field Visit



27 SEPTEMBER 2022

Department of Civil Engineering, SSIPMT, Raipur and IGS Student Chapter SSIPMT, Raipur organized a one-day industrial visit. This field visit was held on 27th September 2022 at Jindal Steel & Power Limited (Machinery Division) in Mandir Hasaud, Raipur, Chhattisgarh. The main aim of the visit was to understand the steel work done by the expertise engineer and technician in the plant and the students can understand the practical application of the work.

INDUSTRIAL/SITE VISIT

7TH SEMESTER FIELD VISIT



23 SEPTEMBER 2022

Department of Civil Engineering, SSIPMT, Raipur, IGS Student Chapter SSIPMT, Raipur & Institute Innovation Council, SSIPMT Raipur in association with Marshal Geotesting Laboratory, Raipur organized a exposure and field visit for problem identification on Plate Load Test. This field visit was held on 23rd September, 2022 at a site in Tilda, Chhattisgarh for the plate load test. The main aim of the visit was to understand the problems during in site working of plate load test and to help the students understand the practical usage of the test.

INDUSTRIAL/SITE VISIT

5TH SEMESTER FIELD VISIT



26 NOVEMBER 2022

Department of Civil Engineering, SSIPMT, Raipur and IGS Student Chapter SSIPMT, Raipur organized a one-day industrial visit. This field visit was held on 29th November 2022 at Multilevel Parking Naya Raipur, Chhattisgarh. The main aim of the visit was to understand the steel work done by the expertise engineer and the students can understand the practical application of the work.

INTERNSHIP

BATCH - 2019 - 2023

S.No	NAME	BATCH	COMPANY
1	PRINCE WANJARI	2018-22	AICTE INTERNSHIP UNDER NHAI
2	UTKARSH SINGH	2019-23	NAYA RAIPUR ATAL NAGAR SMART CITY CORPORATION LTD.
3	ANISH TULSWANI	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
4	AYUSHI LALWANI	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
5	SAMARTH VAIDYA	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
6	KESHAV AGRAWAL	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
7	NEELESH PATEL	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
8	PANKAJ SAHU	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
9	PARTH TIWARI	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
10	ANIKET KAWADISAO	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
11	RUPALI SAHU	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
12	SHAILI YADAV	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
13	SHUBHA UPADHYAY	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
14	YUKTA SAHU	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
15	DEVESH SAHU	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
16	KAMLESH KUMAR SAHU	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR
17	NEERKANT PATEL	2019-23	AICTE INTERNSHIP MISSION AMRIT SAROVAR

INTERNSHIP

18	ANIKET KAWADISAO	2019-23	CAD BRAIN
19	BHEESHMANARAYAN SONWANI	2019-23	CAD BRAIN
20	HARSH CHANDRAKAR	2019-23	CAD BRAIN
21	PRANJALI SHRIVASTAVA	2019-23	CAD BRAIN
22	PRATEEK PATHAK	2019-23	CAD BRAIN
23	PRITHVI SINGH CHUDAWAT	2019-23	CAD BRAIN
24	RACHIT PANJWANI	2019-23	CAD BRAIN
25	SAMARTH VAIDYA	2019-23	CAD BRAIN
26	UTKARSH SINGH	2019-23	CAD BRAIN
27	SANJEET SHARMA	2019-23	CAD BRAIN
28	SHAILI YADAV	2019-23	CAD BRAIN
29	SHREYA KUSHWAHA	2019-23	CAD BRAIN
30	SHRIJAL DUBEY	2019-23	CAD BRAIN
31	VALSA MARY MINJ	2019-23	CAD BRAIN
32	VINEET KUMAR	2019-23	CAD BRAIN
33	YASHVI SINGH PARIHAR	2019-23	CAD BRAIN
34	NIKITA VERMA	2019-23	CAD BRAIN
35	ABHISHEK SAHARE	2019-23	CAD BRAIN
36	GEETANJALI THAKUR	2019-23	CAD BRAIN
37	KAMLESH KUMAR SAHU	2019-23	CAD BRAIN
38	NEERKANT PATEL	2019-23	CAD BRAIN
39	ARVIND TANDAN	2019-23	CAD BRAIN
40	ASHFAQUE ALI	2019-23	CAD BRAIN

INTERNSHIP

41	MUKESH SAHU	2019-23	CAD BRAIN
42	RISHABH DAS	2019-23	CAD BRAIN
43	NIDHI UIKEY	2019-23	CAD BRAIN
44	SHUBHA UPADHYAY	2019-23	CAD BRAIN
45	KESHAV AGRAWAL	2019-23	CAD BRAIN
46	RUPALI SAHU	2019-23	CAD BRAIN
47	YUKTA SAHU	2019-23	CAD BRAIN
48	PANKAJ SAHU	2019-23	CAD BRAIN

CREATIVE TEAM MESSAGE

Creativity engages the mind.

Creativity enables alternative ways of thinking.

Creativity enables empathy.

Creativity connects us to ourselves.

Creativity can connect reflection with action.

Creativity builds intercultural connections.

Creativity nurtures confidence.

We will forever be grateful of Dr.Tarun Kumar Rajak, Our honourable HOD and all faculties for enlightening us from there presence and for giving us a huge opportunity to create and design the "NEWSLETTER VOLUME 2 ISSUE 4".



RISHU AGARWAL

B.TECH STUDENT CIVIL, SSIPMT



ANCHIT DEB MISHRA

B.TECH STUDENT CIVIL, SSIPMT

MESSAGE FROM EDITORIAL BOARD

As the editors of civil department newsletter, let us start by conveying regards to all the members who supported us for making this happen. This newsletter highlights the events activities and achievements and we have tried to capture all the happenings at a glance.

We do hope that "THIRDEYE " will encourage many more students to come forward and express their talent and creativity.

In order to keep the readers widely interested and updated we will offcourse continue the tradition of communicating the significant events and activities of Civil department.

We would also like to thank Dr. Tarun Kumar Rajak (HOD, Civil) for continuous motivation, input and timely drafting of "THIRDEYE".



DIVYARTH MANAS

ASSISTANT PROFESSOR CIVIL, SSIPMT



ANANT KUMAR

ASSISTANT PROFESSOR CIVIL, SSIPMT



NEWSLETTER VOLUME 2 ISSUE 4