

# THIRD-EYE

NEWSLETTER VOLUME 3 ISSUE 2

SESSION : JULY-DEC 2023



NEWSLETTER



DEPARTMENT OF CIVIL ENGINEERING

SHRI SHANKARACHARYA INSTITUTE  
OF PROFESSIONAL MANAGEMENT &  
TECHNOLOGY, RAIPUR



# THIRD-EYE

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## **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 JAIN PRINCIPAL, 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 undertook and 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. The Newsletter 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 3 ,2nd 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'S VISION AND MISSION

## VISION

**“To be a premier technical institute in the country that imparts innovation-driven education to nurture value-based competent future professionals.”**

## MISSION

**The institute will focus on producing competent future professionals by:**

- **Partnering and collaborating with industry and government in 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

## VISION

**To be a pioneer in the field of civil engineering and contribute constructively towards regional, national and global development.**

## MISSION

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



# ACTIVITIES & EVENTS

# COLLABORATIVE ACTIVITIES

## INDEPENDENCE DAY

DATE : 15-08-2023



On August 15, 2023, the Department of Civil Engineering, alongside SSIPMT Cultural Committee & IQAC, Raipur, organized India's 77th Independence Day Celebration at SSIPMT campus. Shri Nishant Tripathi, Chairman (BG) of SSIPMT, along with Dr. Alok Kumar Jain, Principal of SSIPMT, Dr. Manoj Sharma, Principal of SSIPS, and Ms. Sabina Benn, raised the National Flag, resonating with the National Anthem. Following speeches by Dr. Alok Kumar Jain and Chairman Nishant Tripathi, motivating students for their future, the event showcased performances by SSIPMT, SSIPS, and JSCN students. Notably, faculty members and students were honored for their research and competition participation, respectively, concluding with a vote of thanks by Dr. Pranjali Sharma

## AUTOCAD COMPETITION

DATE : 25-11-2023

The Civil Engineering Association, in collaboration with SSIPMT Raipur's Civil Engineering Department, hosted an "AutoCAD Competition" on November 25th, 2023. Dr. Tarun Kumar Rajak and Mr. Ravi Kumar participated, demonstrating their creative prowess with AutoCAD Software. The competition aimed to foster innovation and improve design skills. All participants delivered outstanding performances, receiving participation certificates, while 1st and 2nd place winners were awarded special certificates as a token of appreciation for their exceptional efforts.



## CAREER GUIDANCE

DATE : 08-12-2023



The Department of Civil Engineering, in collaboration with MADE EASY, organized a seminar on Career Guidance for Engineering Graduates on December 8th at the Computer lab (CSF-23). Mr. Shishir Persai, Senior Faculty at MADE EASY, enlightened students about career insights and opportunities post-graduation. He discussed job prospects and various competitive exams like GATE, UPSC, and State Engineering Services. Additionally, he shared preparation strategies and emphasized the importance of maintaining a calm mindset to excel in these exams, providing students with morale-boosting motivation.

# COLLABORATIVE ACTIVITIES

## SURVEY & COMMUNITY

DATE : 05-11-2023



The volunteer conducted a comprehensive survey and community engagement program in the two villages. The primary objective of this endeavor was to assess the extent to which the residents of these villages were benefiting from various government schemes and programs, with a focus on socio-economic conditions and the overall development status of the villages. After the village survey the volunteers along with the Principal ma'am and teachers of the Govt. High School Sarkhi as well as members of Gram Panchayat Sarkhi planted saplings in the school premise.

After plantation the volunteers visited Anganwadi Kendra at the village and interacted with the Anganwadi workers and explained to the children there about the importance of consuming nutritious food, its nutritional content, and motivating them to relish their fruits and vegetables. Later all the volunteers rallied through the village while chanting slogans about voting rights and sharing information on the importance of voting. This endeavor aimed to inspire the villagers to exercise their voting rights in the upcoming elections Under the guidance of U.B.A program officer Mr. Toshan Singh Rathour. the volunteers conducted the event successfully.

## POLLUTION CONTROL DAY

DATE : 02-12-2023

Civil Engineering Department in Association with Institution's Innovation' Council, SSIPMT Raipur Celebrated "NATIONAL POLLUTION CONTROL DAY 2023" on 2nd December 2023 from 11:00 AM. The day is celebrated on theme entitled "Sustainable Development for a Clean and Healthy Planet". The Speaker of this event was Dr. Alok Kumar Jain, Principal, SSIPMT, Raipur. In this program, the speaker shares his views with students on the idea of Sustainable Development for A Clean and Healthy Planet. He talked about the importance of a Sustainable Development of resources to prevent environmental Pollution. Also, He discussed the control environmental pollution. The students attended the session carefully. At last, the speaker also encouraged and motivated the students and wished them great success for their future ahead. Lastly, the speaker was given a vote of thanks by Dr. Tarun Kumar Rajak, Assistant Professor and Head, Department of Civil Engineering, SSIPMT Raipur and the program was concluded.

Shri Shankaracharya Institute of Professional Management and Technology, P.O. Old Dhantari Road, Sijabhar, Muzjahan, Chhattisgarh-492015 Raipur

**NATIONAL POLLUTION CONTROL DAY 2023**  
- An IIC Celebration Activity

Celebrated by  
Department of Civil Engineering  
in Association With  
Institution's Innovation Council (IIC), SSIPMT Raipur

Theme  
**SUSTAINABLE DEVELOPMENT FOR A CLEAN AND HEALTHY PLANET**

Venue : Digital Classroom [CSF-23],  
2nd Floor, Academic Building,  
Date- 2nd December 2023  
Time : 12:00 AM Onwards

**GUEST SPEAKER**  
Dr. Alok Kumar Jain  
PRINCIPAL, SSIPMT, RAIPUR

Faculty Coordinator- Mr. Ravi Kumar Khandel, Assistant Professor, Department of Civil Engineering  
Convener- Dr. Tarun Kumar Rajak, Assistant Professor and Head, Department of Civil Engineering, SSIPMT, Raipur

SSIPMT Raipur social media handles: @SSIPMTR, @SSIPMTRPR, @SSIPMTRAIPUR.CG, @SSIPMT-RAIPUR

# ACTIVITIES BY ACE

## RASS GARBA 3.0

DATE : 20-10-2023



On the auspicious occasion of Navratri, SSIPMT Raipur hosted "RAAS GARBA 3.0," an Intercollege Garba Competition organized by the Association of Civil Engineering on October 20th. Honorable guests including Shri Nishant Tripathi (Chairman, BG), SSIPMT Raipur, and Mrs. Suman Tripathi (Director, JSCN) graced the event as Chief Guests, with Dr. Alok Kumar Jain (Principal, SSIPMT Raipur) as a special guest, and Mrs. Kavita Mandal and Mrs. Indu Singh as judges. The program commenced with the aarti of Maa Durga, symbolized by the lighting of the lamp by our esteemed guests, followed by students from various colleges showcasing their talent in Garba dance and music singing, captivating the audience. Notably, "NINAAD" (Official Band of SSIPMT Raipur) delivered a special performance, adding to the festive fervor. Post-event, guests expressed their appreciation, fostering an atmosphere of joy among students. The program concluded with the distribution of prizes. Dr. Tarun Kumar Rajak, Head of the Civil Engineering Department, along with Prof. Toshan Singh Rathour and all members of TEAM ACE (Association of Civil Engineering) and the Department of Civil Engineering, played pivotal roles in the successful execution of the event.

## RESEARCH PAPER WRITING SKILLS

DATE : 04-12-2023



Shri Shankaracharya Institute of Professional Management and Technology, Raipur

Department of Civil Engineering & IGS Student Chapter, SSIPMT RAIPUR

Presents A Seminar on Research Paper Writing Skill

**Speaker**  
Dr. Tarun Kumar Rajak  
Assistant Professor & Head  
Civil Engg. Department  
SSIPMT, Raipur

Venue : Digital Classroom [CSF-23],  
2nd Floor, Academic Building,  
Time : 11:00 AM Onwards  
Date : 04 December 2023

FACULTY COORDINATOR - MR. RAVI KUMAR KHANDEL  
ASSISTANT PROFESSOR, CIVIL ENGG. DEPARTMENT  
SSIPMT, RAIPUR

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The Department of Civil Engineering at SSIPMT Raipur, in collaboration with the IGS Student Chapter titled "RESEARCH PAPER WRITING SKILLS" on December 4, 2023, starting at 11:00 AM. Dr. Tarun Kumar Raja, Assistant Professor and Head of the Department of Civil Engineering at SSIPMT Raipur, served as the esteemed speaker for the event. The seminar aimed to enhance participants' proficiency in research paper writing, offering valuable insights and strategies for effective scholarly communication.

## RESEARCH PAPER WRITING SKILLS

DATE : 25-09-2023

The Department of Civil Engineering at SSIPMT, Raipur, organized a one-day seminar on "RESEARCH PAPER WRITING SKILLS" on September 25, 2022, with Mr. Anurag Wahane, Assistant Professor, as the speaker. The seminar covered essential aspects such as research paper types, topic selection, writing process, journal article formats, peer review processes, and journal selection criteria. Mr. Toshan Singh Rathour expressed gratitude towards the speaker. The event facilitated valuable insights into effective research paper writing, making it a resounding success.



Shri Shankaracharya Institute of Professional Management and Technology, Raipur

Department of Civil Engineering & IGS Student Chapter, SSIPMT RAIPUR

Presents A Seminar on Research Paper Writing

**Speaker**  
Mr. Anant Kumar  
Assistant Professor  
SSIPMT, Raipur

Venue : Digital Classroom [CSF-23],  
2nd Floor, Academic Building,  
Time : 10:00 AM Onwards  
Date : 25 September 2023

FACULTY COORDINATOR - MR. TOSHAN SINGH RATHOUR  
ASSISTANT PROFESSOR, CIVIL ENGG. DEPARTMENT

CONVENER : Dr. TARUN KUMAR RAJAK, HOD, CIVIL ENGG. DEPARTMENT

SSIPMT Raipur | SSIPMTR | SSIPMT.raipur.cg | SSIPMT-raipur

# DEPARTMENTAL ACTIVITIES

## AUTOCAD AUTODESK

DATE : 05-12-2023

SSIPMT Raipur's Department of Civil Engineering arranged a Value Added Certificate-Course on "AUTO CAD SOFTWARE" for B.tech 3rd semester students from December 5th to December 15th, 2023. AutoCAD equips users with tools like grid, snap, and object tracking, facilitating the creation of accurate drawings. Its significance lies in ensuring precision, and vital in discipline like architecture engineering, manufacturing.



Shri Shankaracharya Institute of Professional Management and Technology, Raipur

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
VALUE ADDED CERTIFICATE COURSE  
for  
**AUTODESK AUTOCAD A**  
DATE : 05/12/2023 TO 15/12/2023

VENUE: DIGITAL CLASSROOM [CSF-23] ,2ND FLOOR ,  
ACADEMIC BUILDING

SYSTEM REQUIREMENT  
ATLEAST 2 GB RAM , 500 GB HDD , 1 GB GRAPHIC CARD

COURSE COVERED BY  
MR. RAJAN KUMAR SINGH  
ASSISTANT PROFESSOR  
SSIPMT, RAIPUR

FACULTY COORDINATOR - MR. RAJAN KUMAR SINGH  
ASSISTANT PROFESSOR, CIVIL ENGG. DEPARTMENT  
CONVENER - DR. TARUN KUMAR RAJAK , HOD, CIVIL ENGG. DEPARTMENT

## COMPETITIVE GUIDANCE

DATE : 08-11-2023

SSIPMT Raipur's Department of Civil Engineering organized an "Expert Session on Competitive Guidance" on November 8, 2023, held online at 7:00 PM. Mr. Kamlesh Kumar Chandrakar, Assistant Professor at RITEE, Raipur, served as the esteemed speaker, welcomed by Mr. Rajan Kumar Singh. The webinar highlighted the benefits and significance of various competitive exams in civil engineering, along with their career prospects. Attendees actively participated, and all queries were addressed effectively. The speaker also motivated and wished students success in their future endeavors. The event concluded with a vote of thanks from Mr. Divyarth Manas.



SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT AND TECHNOLOGY, RAIPUR

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
EXPERT SESSION ON  
**COMPETITIVE GUIDANCE**

Resource Person  
KAMLESH KUMAR CHANDRAKAR  
ASSISTANT PROFESSOR  
DEPARTMENT OF CIVIL ENGINEERING  
RITEE RAIPUR

08 NOV 2023  
7:00 PM ONWARDS

Made of Event:  
Online On Google Meet

Joining link-<https://meet.google.com/jxx-tyab-ytp>


Faculty Coordinator  
Mr. Rajan Kumar Singh  
Assistant Professor  
Department of Civil Engineering  
SSIPMT Raipur

Mr. Divyarth Manas  
Assistant Professor  
Department of Civil Engineering  
SSIPMT Raipur

## SOFTWARE TRAINING

DATE : 11-09-2023

SSIPMT Raipur's Department of Civil Engineering arranged a Value Added Certificate-Course on "BUILDING DESIGN & ANALYSIS" for 7th-semester students from September 11 to September 23, 2023. This course provides comprehensive training for designing RCC buildings. It is structured for beginners, covering basic property creation, modeling, load application. Advanced topics include ensuring structural safety and economic viability. Practical application occurs during structure execution, emphasizing the software's relevance in real-world scenarios.



Shri Shankaracharya Institute of Professional Management and Technology, Raipur

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
VALUE ADDED CERTIFICATE COURSE  
for  
CSI ETABS  
DATE : 11/09/2023 TO 23/09/2023

VENUE: DIGITAL CLASSROOM [CSF-23] ,2ND FLOOR , ACADEMIC  
BUILDING

SYSTEM REQUIREMENT  
ATLEAST 2 GB RAM , 500 GB HDD , 1 GB GRAPHIC CARD

COURSE COVERED BY:  
MR. ANURAG WAHANE  
ASSISTANT PROFESSOR  
SSIPMT, RAIPUR

FACULTY COORDINATOR - MR. RAJAN KUMAR SINGH  
ASSISTANT PROFESSOR, CIVIL ENGG. DEPARTMENT  
CONVENER - DR. TARUN KUMAR RAJAK , HOD, CIVIL ENGG. DEPARTMENT

# DEPARTMENTAL ACTIVITIES

## DESIGN & DRAFTING COMPETITION

DATE : 01-12-2023

Raipur's Department of Civil Engineering hosted a Design & Drafting Competition on December 1, 2023, at the Computer Lab (CSF-23). The event featured design and drafting tasks utilizing architectural software like AUTOCAD and REVIT, providing valuable exposure to students in civil engineering. This competition aimed to enhance participants' skills in architectural software while fostering creativity.

SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT & TECHNOLOGY, RAIPUR  
Old Dhantari Road, P.O. Sujanpur, Majghana, Raipur (C.G.)

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
**DESIGN AND DRAFTING COMPETITION**

QR CODE

RULES:-  
1) YOU CAN USE ANY CAD SOFTWARE FOR DESIGNING THE GIVEN TASK .  
2) MAXIMUM TIME FOR COMPLETING THE TASK IS 2 HOURS.  
3) PARTICIPANTS ARE ALLOWED TO BRING THEIR LAPTOP FOR THE COMPETITION.

DATE:- FRIDAY, 01 DECEMBER 2023      TIME:- 1:00PM ONWARDS

VENUE:- COMPUTER LAB, 2ND FLOOR  
ACADEMIC BUILDING, SSIPMT

FACULTY COORDINATOR: MR. RAJAN KUMAR SINGH  
STUDENT COORDINATOR: DIBIN DINESEN

SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT AND TECHNOLOGY, RAIPUR

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
**DEBATE COMPETITION**

November 20th, 2023 | 1pm Onwards

VENUE: COMPUTER LAB, 2ND FLOOR, ACADEMIC BUILDING.

DEBATE TOPICS  
• Education  
• Current Affairs  
• Economy  
• Environment  
• Elections

"For good ideas and true innovation, you need human interaction, conflict, argument, debate."

Student Coordinator: Ms. Divyanshi Sahu  
Faculty Coordinator: Mr. Divyarth Manas

## DEBATE COMPETITION

DATE : 20-11-2023

The Department of Civil Engineering at SSIPMT Raipur organized a Debate Competition to foster critical thinking and public speaking skills among students. Guided by coordinator Divyarth Manas, the event attracted enthusiastic participation from various teams, showcasing their intellectual prowess on topics ranging from elections to economic policies. Structured rounds allowed participants to delve into pressing societal issues, honing their abilities to articulate well-reasoned arguments and engage in meaningful discourse.

## INNOVATIVE APPROACHES IN CE

DATE : 25-11-2023

Department of Civil Engineering, SSIPMT, Raipur Organized a Faculty Development Programme (FDP) on "Innovative Approaches in Civil Engineering". This programme was held online on 11th December 2023 to 15th December 2023. Through this faculty development programme, the faculties got the opportunity to get knowledge about the recent innovative works in the field of Civil Engineering. This program run for five days by the expert speakers of the institute.

SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT AND TECHNOLOGY, RAIPUR

FIVE DAYS  
FACULTY DEVELOPMENT PROGRAMME  
ON  
**"Innovative Approaches in Civil Engineering"**  
HYBRID MODE  
11th - 15th December 2023

Organized by  
DEPARTMENT OF CIVIL ENGINEERING  
Organizing Committee  
Chief Patron: Shri. Nishant Tripathi  
Secretary-SGES: Dr. Tarun Kumar Rajak  
Chairman (BG), SSIPMT, RAIPUR: Dr. Abh Kumar Jain  
Principal, SSIPMT, Raipur: Dr. R.R. Malathy  
Assistant Professor, Department of Civil Engineering

ABOUT THE HOST INSTITUTE  
Shri Shankaracharya Institute of Professional Management & Technology (SSIPMT), Raipur is overseen by Shri Gangajali Education Society (SGES), Bhalai. The institute is established under the arrangement of resolution 28, outlined under M.P. Vishwavidyalaya Act/1973, approved by AICTE and affiliated to Chhattisgarh Swami Vivekanand Technical University, Bhalai. SSIPMT is accredited by two important bodies in Technical Education i.e. NBA and NAAC. It fosters an understanding of technical and management education to harvest skilled engineers for society. SSIPMT has worked round the clock to achieve this aim in the north-western state of Chhattisgarh. The skilling program, organized by The IDEA Lab at SSIPMT is an endeavor to equip the students with the knowledge of the latest technologies. IDEA Lab would serve as an infrastructure for students/faculty to take up and promote multidisciplinary education and research.

Programme Coordinator: Mr. Anurag Wahane  
Assistant Professor, Department of Civil Engineering, Mob. No. +91-8889137250  
Email id: anurag.wahane@ssipmt.com

VENUE: The programme will be held at SSIPMT, Raipur, Academic Block, Second Floor, CSF-23.

IMPORTANT DATE  
Last Date of Registration - 10/12/2023

REGISTRATION & GUIDELINES  
There is no registration fee for faculty from AICTE approved Institutions, Participants from Industry, and Research Scholars. Registration for the program may be done by filling the Registration Form online. Reg. Link: <https://forms.gle/Y8dURZEA91Nwz8>

OUR SPEAKERS

11 DEC 2023	Mr. Anant Kumar Assistant Professor CED, SSIPMT, Raipur
12 DEC 2023	Dr. R.R. Malathy Assistant Professor CED, SSIPMT, Raipur
13 DEC 2023	Mr. Tushan Singh Rathour Assistant Professor CED, SSIPMT, Raipur
14 DEC 2023	Mr. Rajan Kumar Singh Assistant Professor CED, SSIPMT, Raipur
15 DEC 2023	Mr. Parvej Alam Assistant Professor CED, SSIPMT, Raipur

TOPIC COVERED

- Recent Advances in Construction Technologies
- Recycled Aggregate Based Concrete
- Fly ash Concrete Subjected to High Temperature
- Geopolymer Concrete from Alkali-activation of Fly ash and Slag
- Self-Compacting Concrete with Sustainable Materials

WHO CAN PARTICIPATE  
The program is open to all members of AICTE/UCC Affiliated Institutes/Universities i.e. faculty Members/Research Scholars/PG Students/ Government Employees/Industry Persons.

CERTIFICATION  
Certificate will be issue to the participants after successful completion of the programme.

P.O. Old Dhantari Road, Sujanpur, Majghana, Chhattisgarh 492015  
info@ssipmt.com      www.ssipmt.com

# DEPARTMENTAL ACTIVITIES

## MX ROAD SOFTWARE

DATE : 03-10-2023

SSIPMT Raipur's Department of Civil Engineering arranged a Value Added Certificate-Course on "MX ROAD SOFTWARE" for 5th-semester students from October 3rd to October 13th, 2023. This course provided comprehensive training in designing RCC and bitumen roads, catering to beginners without prior software experience. Topics included basic property creation, modeling, and load application on roads, ensuring students gained essential skills for road design without prerequisite knowledge of the software.



Shri Shankaracharya Institute of Professional Management and Technology, Raipur

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
VALUE ADDED CERTIFICATE COURSE  
for  
MX ROAD SOFTWARE  
DATE : 03/10/2023 TO 13/10/2023  
VENUE: DIGITAL CLASSROOM [CSF-31], 2ND FLOOR, ACADEMIC BUILDING

SYSTEM REQUIREMENT  
ATLEAST 2 GB RAM, 500 GB HDD, 1 GB GRAPHIC CARD

COURSE COVERED BY:  
MR. RAJAN KUMAR SINGH  
ASSISTANT PROFESSOR  
SSIPMT, RAIPUR

FACULTY COORDINATOR - MR. ANURAG WAHANE  
ASSISTANT PROFESSOR, CIVIL ENGG. DEPARTMENT  
CONVENER : DR. TARUN KUMAR RAJAK, HOD, CIVIL ENGG. DEPARTMENT

## QUIZ COMPETITION

DATE : 03-11-2023



SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT AND TECHNOLOGY, RAIPUR

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
QUIZ COMPETITION  
ENGLISH REASONING MATH  
CURRENT AFFAIRS

Scan For Registration

HURRY UPI LIMITED REGISTRATIONS

3 NOV 2023  
1:00 PM ONWARDS

COMPUTER LAB  
Civil Department  
2nd floor Academic Block

FACULTY COORDINATOR  
Mr. Krishna Deep  
(+91 8839518063)

STUDENT COORDINATOR  
Anchit Deb Mishra  
Kanha Dewangan

SSIPMT Raipur's Department of Civil Engineering organized a One-day QUIZ Competition in offline mode on November 3, 2023, at 01:00 PM in the department classroom. The quiz covered English, Reasoning, Math, and Current Affairs. Mr. Krishna Deep, Assistant Professor, welcomed participants and outlined the rules. Over 50 students competed, with results announced on the same day. Winners received felicitation from Dr. Tarun Kumar Rajak, Head of the Department, in the computer lab. The event garnered praise for its quality questions and overall success.

## SOFT SKILLS

DATE : 30-11-2023

Mr. Gurpreet Singh Saund, Assistant Professor at SSIPMT Raipur, served as the guest speaker for a session focusing on soft skills. Delving into the importance of these intangible attributes, the session aimed to empower students for success in both professional and personal realms. Over 40 students participated, gaining valuable insights. Dr. Tarun Kumar Rajak, Convener and Head of the department, concluded the session with a Vote of Thanks to the speaker, acknowledging the enriching discourse.



SHRI SHANKARACHARYA INSTITUTE OF PROFESSIONAL MANAGEMENT AND TECHNOLOGY, RAIPUR

DEPARTMENT OF CIVIL ENGINEERING  
PRESENTS  
EXPERT SESSION ON  
SOFT SKILLS  
BY

  
SPEAKER  
GURPREET SINGH SAUND  
ASSISTANT PROFESSOR  
DEPARTMENT OF HUMANITIES  
SSIPMT RAIPUR

30 NOV 2023  
1:00 PM Onwards

VENUE  
2ND FLOOR, COMPUTER LAB,  
ACADEMIC BUILDING.

Student Coordinator  
AYUSH SONI (5TH SEM)  
DIVYANSHI SAHU (5TH SEM)

Faculty Coordinator  
Mr. Krishna Deep  
Assistant Professor  
Department of Civil Engineering  
SSIPMT Raipur

# DEPARTMENTAL ACTIVITIES

## ONE WEEK WORKSHOP

DATE : 21-11-2023

The Department of Civil Engineering conducted a one-week workshop from Nov 21 to Nov 25, 2023, focusing on Technical and Life Skill Management. It offered participants a holistic learning experience, addressing technical skills essential to their field and vital life skills for personal and professional growth. The workshop aimed to empower attendees with the knowledge and tools necessary for success in their careers and overall life fulfillment.

**ONE WEEK Workshop on "TECHNICAL AND LIFE SKILL MANAGEMENT"**  
ORGANIZED BY  
DEPARTMENT OF CIVIL ENGINEERING  
SSIPMT RAIPUR  
Shri Shankaracharya Institute of Professional Management and Technology, Raipur  
Time : 1:00 PM Onwards  
21st November 2023 to 25th November 2023  
VENUE : CIVIL COMPUTER LAB CSF, 2ND FLOOR ACADEMIC BLOCK

**EXPERT SPEAKER**  
MS. PRAGYAPATI  
ASSISTANT PROFESSOR  
DEPARTMENT OF CIVIL ENGINEERING  
DR. TARUN KUMAR RAJAK  
ASSISTANT PROFESSOR & HEAD  
DEPARTMENT OF CIVIL ENGINEERING  
MR. ANURAG WAHANE  
ASSISTANT PROFESSOR  
DEPARTMENT OF CIVIL ENGINEERING  
MR. RAJAN KUMAR SINGH  
ASSISTANT PROFESSOR  
DEPARTMENT OF CIVIL ENGINEERING  
MR. DIVYARTH MANAS  
ASSISTANT PROFESSOR  
DEPARTMENT OF CIVIL ENGINEERING

**CHIEF PATRON**  
Mr. Nishant Tripathi  
Chairman (B.G.), SSIPMT Raipur  
**PATRON**  
Prof. (Dr.) Abhishek Jain  
Principal, SSIPMT Raipur  
**PROGRAMME COORDINATOR**  
Ms. Pragna Patel  
Assistant Professor, SSIPMT, Raipur

**ABOUT THE INSTITUTE**  
SSIPMT fosters an understanding of technical and management education to harvest skilled engineers and efficient managers for the society. The global competitive market requires innovation, transformation and application of bold methodologies, knowledge and determination to challenge conventional practices. SSIPMT has rolled round the clock to achieve this aim in the newly born state of Chhattisgarh. We transform raw minds into professionals through our focus on education, research and training practices to support the students gain knowledge to renovate and the power to succeed. The persistent efforts of the management, staff, parents and students together have made it one of the top institutes of technical and management education in Chhattisgarh.

**TARGET PARTICIPANTS**  
All the UG Student, Faculty /Academicians, Research Scholar/ Industrialist

**REGISTRATION LINK**  
[https://docs.google.com/forms/d/1FAeG0LSNjYwKqf6t6uN1UG09Z1G1G0ZSxwN10Wyo\\_wd\\_LZPArv/viewform?edit=link](https://docs.google.com/forms/d/1FAeG0LSNjYwKqf6t6uN1UG09Z1G1G0ZSxwN10Wyo_wd_LZPArv/viewform?edit=link)

**NO REGISTRATION FEES**

**CONTACT US**  
Mr. Janki Singh Kumar  
Assistant Professor  
Mobile No. : 988144048  
Ms. Pragna Patel  
Assistant Professor  
Mobile No. : 999217099

## THREE DAY'S TEACHERS TRAINING

DATE : 29-12-2023

The Department of Civil Engineering at SSIPMT, Raipur organized an offline Teachers Training Program on "Artificial Intelligence (AI) in Civil Engineering" from December 29th to 31st, 2023. Participants gained insights into new AI tools and their applications in Civil Engineering. AI offers flexible and advanced features, simplifying tasks for constructors and architects. Its widespread use in the construction industry signifies its potential to enhance efficiency and encourage skill expansion among professionals, promising a simpler future.

Shri Shankaracharya Institute of Professional Management and Technology, Raipur  
P.O. Old Dhanur Bazar, Nijaholur, Majalasa, Chhattisgarh. 492015

**THREE DAY'S TEACHERS TRAINING PROGRAM on AI (Artificial Intelligence) in Civil Engineering**  
Organized by  
Department of Civil Engineering

**DATE** | **TIME**  
29-12-2023 TO 01-01-2024 | 10:00 AM

**TARGET AUDIENCE**  
Faculty members from AICTE approved technical institutions across the country. There is no registration fees.

Venue : Computer Lab, 2nd Floor, Academic Building, SSIPMT, Raipur

**Convener**  
Dr. TARUN KUMAR RAJAK,  
Head, Department of Civil Engineering,  
SSIPMT, RAIPUR  
**Faculty Coordinator**  
Mr. Anant Kumar , Assistant Professor  
Department of Civil Engineering  
SSIPMT, Raipur  
Mo. No. 9753157669, 7999712023

**MODE**  
Hybrid

**REGISTRATION LINK**  
<https://forms.gle/yZhQkvVTHM5ZHgGE8>

**GUEST SPEAKERS**  
Dr. RPS Chauhan  
Professor & Head  
CSE (AI)  
SSIPMT, Raipur  
Ms. Rupali Sharma  
Assistant Professor  
CSE (AI)  
SSIPMT, Raipur  
Mrs. Nehal Kandeale  
Assistant Professor  
CSE (AI)  
SSIPMT, Raipur

## WORKING MODELS & THEIR PREPARATION

DATE : 25-11-2023

SSIPMT Raipur's Department of Civil Engineering hosted a seminar, discussion, and demonstration on "Working Models and their Preparation" for 4th-semester students. The event aimed to emphasize the practical implications and applications of technical knowledge in everyday scenarios. Through this initiative, students gained insights into the significance of working models and their relevance across various engineering aspects. The preparation and demonstration of such models enhanced students' research skills and familiarity with diverse methodologies, enriching their learning experience.

Shri Shankaracharya Institute of Professional Management and Technology, Raipur

**SEMINAR ON "WORKING MODELS & THEIR PREPARATION"**

Organized by  
Department of Civil Engineering

Venue : CSF - 01  
2nd Floor, Academic Building,  
Date- 04th December 2023  
Time : 09 : 30 AM Onwards

**SPEAKER**  
Mr. DIVYARTH MANAS  
DEPT. OF CIVIL ENGG.,  
SSIPMT, RAIPUR

**Convener**  
Dr. Tarun Kumar Rajak,  
Head, Department of Civil Engineering,  
SSIPMT, RAIPUR.

# DEPARTMENTAL ACTIVITIES

## YOGA SESSION

DATE : 23-11-2023

The Department of Civil Engineering atSSIPMT, Raipur, organized a training session on Yoga led by Mr. Nutan Kumar Sahu, a renowned Yoga Trainer. The session aimed to alleviate stress, enhance mental composure, and promote the benefits of Yoga for maintaining optimal physical posture and body shape among students and faculty. Emphasizing the adage, "A Sound mind lives in a Sound body," the session underscored the importance of Yoga in managing daily responsibilities and academic pursuits while maintaining a healthy balance. Recognizing Yoga as essential for overall well-being, the initiative aimed to instill a regular practice of Yoga as a necessary and beneficial aspect of life for individuals of all backgrounds.

SSIPMT RAIPUR

Shri Shankaracharya Institute of Professional Management and Technology, Raipur

INSTITUTION'S COUNCIL  
NSI  
CSE  
DE Lab

Department of Civil Engineering  
PRESENTS  
A Training Session  
On  
**YOGA**

**YOGA TRAINER**  
Mr. NUTAN KUMAR SAHU  
DATA ENTRY OPERATOR  
DEPARTMENT OF CIVIL ENGINEERING  
SSIPMT, RAIPUR

Venue : Seminar Hall  
3rd Floor, Academic Building  
Time : 11:00 AM Onwards  
Date : 23 November 2023

FACULTY COORDINATOR - Mr. PARVEJ ALAM  
ASSISTANT PROFESSOR, CIVIL ENGG. DEPARTMENT  
CONVENER : Dr. TARUN KUMAR RAJAK , HOD, CIVIL ENGG.  
DEPARTMENT

SSIPMT

# FACULTY PUBLICATIONS

S No.	Name of Authors	Title	Journal/ Conference Name	ISSN Number	Link to article/ paper/ abstract of the article	UGC/SCI/ SCOPUS
1	Md. Parvej Alam	Experimental Investigations on Self-Compacting Concrete with Stainless Steel Slag as a Cementitious material	Eur. Chem. Bull. 2023,12 ( issue 7)	2063-5346	<a href="https://doi.org/10.1007/s42107-023-00782-3">https://doi.org/10.1007/s42107-023-00782-3</a>	SCOPUS
2	R.B MALATHY	A Hybrid Algorithm for Acceleration Harmonic Estimation and Elimination in Shake Table	Iranian Journal of Science and Technology	2228-6160	<a href="https://doi.org/10.1007/s42107-023-00782-3">https://doi.org/10.1007/s42107-023-00782-3</a>	SCOPUS
3	Dr. Tarun Kumar Rajak	Acoustical and heat characterization of recycled fiber reinforced bricks	Material Todays	2214-7853	<a href="https://doi.org/10.1007/s42107-023-00782-3">https://doi.org/10.1007/s42107-023-00782-3</a>	SCOPUS
4	Md. Parvej Alam	Prediction of Compressive Strength of High Strength Concrete Using AI Techniques	Corrosion AND Protection Vol. 51 Issue. 2	1005-748X	<a href="https://doi.org/10.1007/s42107-023-00782-3">https://doi.org/10.1007/s42107-023-00782-3</a>	SCOPUS
5	Rajan Kumar Singh	Integration of Rice Husk Ash and Pond Ash as Partial replacement in Fiber Reinforced Concrete	Journal of Foundation al Research	2395-5635	<a href="https://doi.org/10.1007/s42107-023-00782-3">https://doi.org/10.1007/s42107-023-00782-3</a>	SCOPUS

# FACULTY PATENTS

S. No.	Name of Inventor	Title of Patent	Type of Patent	Date of Awarded / Registered
1	Mr. Anant Kumar, Ms. Barkha Verma, Mr. Divyarth Manas, Mr. Rajan Kumar Singh, Mr. Krishna deep	Real-Time Concrete Crack Detector	DESIGN	06/07/2023
2	Mr. Anurag Wahane	Smart Bank Administrating Device	DESIGN	26/08/2023
3	Mr. Krishna Deep	Post Disaster Assessment Device	DESIGN	07/08/2023
4	Dr. Tarun Kumar Rajak	Soil Sampling Device	DESIGN	20/09/2023
5	Dr. Tarun Kumar Rajak	Portable Computer tab	DESIGN	26/10/2023
6	Mr. Anurag Wahane	Wireless transaction securing device	DESIGN	06/11/2023
7	Mr. Nishant Tripathi, Dr. Tarun Kumar Rajak	Scratch -generating shuttering plate for plastering	DESIGN	06/11/2023

# PATENTS CERTIFICATES

**पेटेंट कार्यालय, भारत सरकार** The Patent Office, Government Of India  
**क्रियान्वन के पंजीकरण का प्रमाण पत्र** | Certificate of Registration of Design

डिजाइन नं. / Design No. 39593-001  
तारीख / Date 14/09/2023  
पारस्परिक तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में वर्णित डिजाइन को WIRELESS TRANSACTION SECURING DEVICE के संदर्भ में, का पंजीकरण, सेमी 14-02 में 1. Prof. (Dr.) Rajinder Kumar Uppal 2. Ankur Biswas 3. Dr. Kiranpal Singh Virk 4. Mrs. G. Thamarasavei 5. Mr. Ranteg Singh Virk 6. Dr. Sheshang Degadwala 7. Mr. Anurag Wahane के नाम में उद्घृत किया और तारीख में कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to WIRELESS TRANSACTION SECURING DEVICE in the name of 1. Prof. (Dr.) Rajinder Kumar Uppal 2. Ankur Biswas 3. Dr. Kiranpal Singh Virk 4. Mrs. G. Thamarasavei 5. Mr. Ranteg Singh Virk 6. Dr. Sheshang Degadwala 7. Mr. Anurag Wahane.

इसके अतिरिक्त, 2000 का डिजाइन नियम, 2001 के उपबंध प्रवधानों के अंतर्गत में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

09/10/2023  
सचिव, पेटेंट कार्यालय, भारत सरकार  
Secretary, Patent Office, Government of India

**पेटेंट कार्यालय, भारत सरकार** The Patent Office, Government Of India  
**क्रियान्वन के पंजीकरण का प्रमाण पत्र** | Certificate of Registration of Design

डिजाइन नं. / Design No. 38133-001  
तारीख / Date 12/03/2023  
पारस्परिक तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में वर्णित डिजाइन को POST-DISASTER BUILDING ASSESSMENT DEVICE के संदर्भ में, का पंजीकरण, सेमी 10-05 में 1. Krishna Deep 2. Dr. Sri Ram Krishna Mishra 3. Tarun Gehlot 4. Pranoy Deb Nath 5. Mrs. Malika Jain 6. Dr. Manish Kumar के नाम में उद्घृत किया और तारीख में कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to POST-DISASTER BUILDING ASSESSMENT DEVICE in the name of 1. Krishna Deep 2. Dr. Sri Ram Krishna Mishra 3. Tarun Gehlot 4. Pranoy Deb Nath 5. Mrs. Malika Jain 6. Dr. Manish Kumar.

इसके अतिरिक्त, 2000 का डिजाइन नियम, 2001 के उपबंध प्रवधानों के अंतर्गत में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

09/10/2023  
सचिव, पेटेंट कार्यालय, भारत सरकार  
Secretary, Patent Office, Government of India

**पेटेंट कार्यालय, भारत सरकार** The Patent Office, Government Of India  
**क्रियान्वन के पंजीकरण का प्रमाण पत्र** | Certificate of Registration of Design

डिजाइन नं. / Design No. 39364-001  
तारीख / Date 25/08/2023  
पारस्परिक तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में वर्णित डिजाइन को PORTABLE COMPUTER TAB के संदर्भ में, का पंजीकरण, सेमी 14-02 में 1. Dr. Umesh Kumar Singh 2. Dr. Tarun Kumar Rajak 3. Dr. Piyush Charan 4. Dr. Krishna Kumar Singh 5. Dr. Sushil Kumar Jamariar 6. Mr. Ajay Kumar 7. Mrs. Shabana Sheikh के नाम में उद्घृत किया और तारीख में कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to PORTABLE COMPUTER TAB in the name of 1. Dr. Umesh Kumar Singh 2. Dr. Tarun Kumar Rajak 3. Dr. Piyush Charan 4. Dr. Krishna Kumar Singh 5. Dr. Sushil Kumar Jamariar 6. Mr. Ajay Kumar 7. Mrs. Shabana Sheikh.

इसके अतिरिक्त, 2000 का डिजाइन नियम, 2001 के उपबंध प्रवधानों के अंतर्गत में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

09/10/2023  
सचिव, पेटेंट कार्यालय, भारत सरकार  
Secretary, Patent Office, Government of India

**पेटेंट कार्यालय, भारत सरकार** The Patent Office, Government Of India  
**क्रियान्वन के पंजीकरण का प्रमाण पत्र** | Certificate of Registration of Design

डिजाइन नं. / Design No. 39377-001  
तारीख / Date 26/08/2023  
पारस्परिक तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में वर्णित डिजाइन को SMART BANK ADMINISTRATING DEVICE के संदर्भ में, का पंजीकरण, सेमी 14-01 में 1. Prof. (Dr.) Rajinder Kumar Uppal 2. Dr. S. Rani 3. Dr. Rajesh Kumar Sain 4. Dr. Yabesh Abraham Durairaj Israelvi 5. Dr. Prasad H K 6. Dr. Kshiroda Kumar Sahoo 7. Mr. Anurag Wahane के नाम में उद्घृत किया और तारीख में कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-01 in respect of the application of such design to SMART BANK ADMINISTRATING DEVICE in the name of 1. Prof. (Dr.) Rajinder Kumar Uppal 2. Dr. S. Rani 3. Dr. Rajesh Kumar Sain 4. Dr. Yabesh Abraham Durairaj Israelvi 5. Dr. Prasad H K 6. Dr. Kshiroda Kumar Sahoo 7. Mr. Anurag Wahane.

इसके अतिरिक्त, 2000 का डिजाइन नियम, 2001 के उपबंध प्रवधानों के अंतर्गत में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

09/10/2023  
सचिव, पेटेंट कार्यालय, भारत सरकार  
Secretary, Patent Office, Government of India

**पेटेंट कार्यालय, भारत सरकार** The Patent Office, Government Of India  
**क्रियान्वन के पंजीकरण का प्रमाण पत्र** | Certificate of Registration of Design

डिजाइन नं. / Design No. 39006-001  
तारीख / Date 26/09/2023  
पारस्परिक तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में वर्णित डिजाइन को SCRATCH-GENERATING SHUTTERING PLATE FOR PLASTERING के संदर्भ में, का पंजीकरण, सेमी 08-05 में 1. Mr. Nishant Tripathi 2. Dr. Tarun Kumar Rajak 3. Mr. Vaibhav Arvind Fulari 4. Mr. Prathmesh Rajendra Patil 5. Dr. Sachin Sharma 6. Sufiyah Mirza 7. Dr. Lilesh Gautam के नाम में उद्घृत किया और तारीख में कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 08-05 in respect of the application of such design to SCRATCH-GENERATING SHUTTERING PLATE FOR PLASTERING in the name of 1. Mr. Nishant Tripathi 2. Dr. Tarun Kumar Rajak 3. Mr. Vaibhav Arvind Fulari 4. Mr. Prathmesh Rajendra Patil 5. Dr. Sachin Sharma 6. Sufiyah Mirza 7. Dr. Lilesh Gautam.

इसके अतिरिक्त, 2000 का डिजाइन नियम, 2001 के उपबंध प्रवधानों के अंतर्गत में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

09/10/2023  
सचिव, पेटेंट कार्यालय, भारत सरकार  
Secretary, Patent Office, Government of India

**पेटेंट कार्यालय, भारत सरकार** The Patent Office, Government Of India  
**क्रियान्वन के पंजीकरण का प्रमाण पत्र** | Certificate of Registration of Design

डिजाइन नं. / Design No. 38299-001  
तारीख / Date 04/04/2023  
पारस्परिक तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रती में वर्णित डिजाइन को REAL-TIME CONCRETE CRACK DETECTOR के संदर्भ में, का पंजीकरण, सेमी 10-05 में 1. Mr. Anant Kumar 2. Mr. Divyarth Manas 3. Tarun Gehlot 4. Ms. Barkha Verma 5. Mr. Krishna Deep 6. Mr. Rajan Kumar Singh के नाम में उद्घृत किया और तारीख में कर दिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to REAL-TIME CONCRETE CRACK DETECTOR in the name of 1. Mr. Anant Kumar 2. Mr. Divyarth Manas 3. Tarun Gehlot 4. Ms. Barkha Verma 5. Mr. Krishna Deep 6. Mr. Rajan Kumar Singh.

इसके अतिरिक्त, 2000 का डिजाइन नियम, 2001 के उपबंध प्रवधानों के अंतर्गत में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

09/10/2023  
सचिव, पेटेंट कार्यालय, भारत सरकार  
Secretary, Patent Office, Government of India

# CONFERENCES ATTENDED(STUDENTS UG)

SN	Name of the author/s	Title of paper	Name of journal/CONFERENCE
1	Raunak Prakash, Aryansh Chopkar, Khushi Vyas, Kuldeep Suthar, Mr. Anant Kumar	Effect of waste materials on physical properties of Bituminous Road.	ICFAMMT 2024
2	Bhagat Singh Nayak, Aditya Singh, Shivam Kumar, Lokesh Kumar Dhiwar, Mr Krishna Depp	Retrofitting of R.C.C structure using Bopp epoxy composite	ICMISI 2024
3	Anshul Sakarkar, Parishii Agrawal, Manish Kumar Choubey, Harsh Kumar Sahu, Mr. Anurag Wahane	Effect in Mechanical and Physical Properties of Interlocking Brick Due to Utilization of Shell and Fly Ash	ICFAMMT 2024
4	Anchit Deb Mishra, Karan Sablani, Kanha Dewangan, Manthan Sinha, Mr. Anurag Wahane	Evaluation Of Mechanical And Physical Properties Of Chequered Tile by Utilizing Waste Broken Ceramic Tile	ICFAMMT 2024
5	Mayank Singh, Aditya Pratap Singh, Aman Dongre, Dr.R.B.Malathy	Analysis of 2 span psc composite 1-Girder Bridge using Aircraft loading.	ICMISI 2024
6	Sanjana Sahu, Mr. Toshan Singh Rathour, Khyati Kodopi, Fiza Khan, Somprabha Sonkale	Mechanical properties of concrete by partial replacement of cement with dolomite	ICFAMMT 2024
7	Harsh Kumar Sahu, Harsha Dewangan, Mr. Krishna Deep, Pratibimb Vishwakarma, Sumeet Patel	Fiber Reinforcement in Concrete Using Corn Husk	ICFAMMT 2024
8	Abhigyan Shakar, Balraj Verma, Harsh Kumar Dhruw, Mayush Lonhare, Mr. Anant Kumar	Experimental analysis of paver block made using sugarcane haggasse ash & crushed clay brick	ICMISI 2024
9	Atul Soni, Avnish Kashyap, Nikhil Prajapati, Ashutosh Sahu, Mr. Toshan Singh Rathour	Analysis and design of a residential building by using Staad Pro	ICFAMMT 2024
10	Pratham Verma, Twinkle Sharma, Demin Sahu, Heena Sahu, Mr. Divyarth Manas	Enhancing properties of sustainable concrete using wet paper pulp, Steel slag and glass fibre.	ICASEM 2023
11	Arvind Deb Mishra, Antariksh Chandrakar, Mr. Anant Kumar, Saumya Verma, Aastha Chandrawanshi	Assesment of the Mechanical properties of concrete using Construction and Demolition Waste and Natural fibres	ICFAMMT 2024

# DEPARTMENTAL ACHIEVEMENTS



## ABOUT THE ACHIEVEMENT

Dr. R. B. Malathy from Department of Civil Engineering, SSIPMT, Raipur was Awarded as Excellent Teacher Award from The Institution of Engineers (India) Chhattisgarh State Center, Raipur on 5Th September 2023 for her valuable contribution in the field of Engineering Education & Research on the occasion of Sixty-Two Teacher's day celebration.



# INTERNSHIPS OFFERED TO STUDENTS

## BATCH : 2021-2025

S. No.	NAME	BATCH	COMPANY
1	Suryansh Tiwari	2021-2025	Space world infrastructure
2	Dibin Dinesan	2021-2025	Civil Guruji
3	Ashwin J Nair	2021-2025	SEPL, Tamnar
4	Tanu Singh	2021-2025	CSEB
5	Disha Sahu	2021-2025	BDM Consultants
6	Priyanshu Ray	2021-2025	Larsen & turbo
7	Kapish sinha	2021-2025	PWD (Vidhan Sabha)
8	Amish Bagde	2021-2025	Ayukt Nagar Palik Nigam, Raipur
9	Sanjivani Jain	2021-2025	SS construction, Jagdalpur
10	Kunal Chandrakar	2021-2025	Archcons creations
11	Dhawal Patel	2021-2025	Government (Mandi board)
12	Pranjal Chaturvedi	2021-2025	PWD
13	Ritik Rojia	2021-2025	Raipur smart City limited
14	Chhayank Yadav	2021-2025	Wallfort Properties Pvt Ltd
15	Soham Sahu	2021-2025	Sahu and Associates
16	Aditya farendra	2021-2025	Rajat Build Tech Pvt.Ltd.
17	Meenakshi Vishwakarma	2021-2025	Sansar Buildcon PVT.LTD.
18	Vivek kushwaha	2021-2025	CRRDA
19	Devika dewangan	2021-2025	BDM Consultants
20	Vaibhav Bharti	2021-2025	Rajat Buildtech Pvt. Ltd.



# I INDUSTRIAL & SITE VISITS



## **FIELD VISIT AT GURU KRIPA BRICKS, RAIPUR**

**3rd September 2023**

The event at Gurukripa Bricks in Raipur effectively tackled challenges in brick manufacturing, fostering a collaborative environment for innovative problem-solving. Through discussions, presentations, and workshops, participants explored sustainable solutions, showcasing a commitment to advancing creative problem-solving in civil engineering. The outcome emphasized valuable insights and encouraged a forward-thinking approach among students in the field.



## **FIELD VISIT AT CMD RAILWAY STATION, NAYA RAIPUR**

### **6th November 2023**

Department of Civil Engineering,SSIPMT, Raipur has conducted the Field Visit at “CMD Railway Station, Naya Raipur”. This field visit was held on 6th November, 2023 at a site in Naya, Raipur, Chhattisgarh. The main aim of the visit was to understand the site work of the railway station. The present railway station of Naya Raipur comprises of multi-storey structures in which ground storey includes basic amenities room such as toilet, staff room, control room and other important amenities. The structure was made with M30 grade of concrete as discussed with the site supervisor. Here, the top of the railway station is covered by the steel structure girder having polycarbonate sheet roof. The station is currently made for 3 main lines. This visit helped the students and the visit was successfully coordinated by Mr. Rajan.



## **FIELD VISIT** AT **SINGHAL ENTERPRISES PVT. LTD, RAIGARH**

### **2nd & 3rd December 2023**

In collaboration with the Institution's Innovation Council, SSIPMT Raipur's Civil Engineering Department arranged an industrial visit to Singhal Enterprises Pvt. Ltd in Village Taraimal, Raigarh, from December 2nd to 3rd, 2023, exclusively for 5th-semester students. Singhal Enterprises Pvt. Ltd specializes in producing sponge iron, Billet waste, Mild Steel Bar, Round Steel Bar, Flat Bars, and other products, with multiple divisions processing various minerals and ores. The use of pellet foundations, known for superior strength and durability, provided practical insights. Students toured each plant division, gaining explanations on operations, functionality, and quality control. This experience enhanced students' practical understanding and highlighted efficient industrial resource utilization, including innovative practices like utilizing waste materials in construction to enhance structural strength and durability.

# CREATIVE TEAM MESSAGE



**DIVYANSHI SAHU**

**B.TECH STUDENT  
CIVIL, SSIPMT**



**ABHINANDAN SINHA**

**B.TECH STUDENT  
CIVIL, SSIPMT**

The engagement of creativity captivates the mind, fostering alternative ways of thinking and enhancing empathy. It enables a profound connection to our inner selves, bridging reflection with purposeful action. Additionally, creativity serves as a catalyst for building strong intercultural bonds, nurturing confidence along the way.

Our gratitude knows no bounds for Dr. Tarun Kumar Rajak, our esteemed Head Of Department, and all the dedicated faculties. Their enlightening presence has bestowed upon us a tremendous opportunity to craft and design the splendid "NEWSLETTER VOLUME 3 ISSUE 2."

# MESSAGE FROM EDITORIAL BOARD



**DIVYARTH MANAS**  
ASSISTANT PROFESSOR  
CIVIL, SSIPMT



**ANANT KUMAR**  
ASSISTANT PROFESSOR  
CIVIL, SSIPMT

As editors of the Civil department newsletter, we wish to express our gratitude to all those who contributed to the success of this endeavor. This edition serves to showcase the various events, activities, and accomplishments within our department. Our aim has been to encapsulate all noteworthy developments in a succinct and informative manner, providing readers with a comprehensive overview of recent happenings

We anticipate that "THIRDEYE" will inspire a multitude of students to step forward and showcase their talents and creativity.

In order to keep the readers widely interested and updated we will off-course 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 ".



**NEWSLETTER VOLUME 3 ISSUE 2**