

NEWSLETTER

JULY-DEC 2023

Edited By: Dr. S.M. Narulkar, HOD CE-AMD, Prof. M.K. Laghate

Assistant Prof. Pranav Thepe, Assistant Prof. Namrata Khede, Mr. Mohammed Zeeshan Khan (M.Tech Student)

Vision of the Department

A strong source in Civil Engineering Field making significant contribution to human resource development considering dynamic needs of the society.

Mission of the Department

M1: To generate experts in Civil Engineering field, useful for the Nation and society.

M2: To develop students for accelerated socio-economic growth in professional and challenging environment of industries in modern world.

M3: To motivate the students to apply the knowledge of Civil Engineering, preserving human values.

EXPERT LECTURE DELIVERED



Dr. S. M. Narulkar (HOD, CE-AMD) delivering Lecture.

Dr. S. M. Narulkar (HOD, CE-AMD) delivered following Lectures:

- 1) On 19th July 2023 in the National Workshop on “Waste to wealth-Recent Trends and technological advancement in treatment of wastewater” (17th - 22nd July 2023) the topic of the lecture was, “TREATED SEWAGE INFLOW IN PIPLIYAHANA LAKE – A CASE STUDY.
- 2) On 6th of December, 2023 three lectures delivered in the ATAL Course on, “ANALYTICAL AND STATISTICAL TECHNIQUES FOR APPLIED RESEARCH AND INNOVATION” at Government College of Engineering, Aurangabad. The three topics were as follows:
 - (i) Inferential statistics and hypothesis testing.
 - (ii) Goodness of fit of probability distributions and hypothesis testing.
 - (iii) Time series analysis.
- 3) On 11th January delivered a Lecture in the ATAL Course on “Geo-environmental Engineering & Sustainable Infrastructure Development” at MEDI CAPS UNIVERSITY INDORE on 11th January 2024 the Topic: Liquid Waste Management – A Case Study of Piplyahana Lake and Regional Sewage Treatment Plant.



Dr. V. R. Rode and Dr. Pare as an External Expert

Academic and Administrative Audit of Chameli Devi Engineering College as a whole and also its various departments by Dr V. R. Rode as an External Expert along with Dr Pare.- On 23rd September 2023.

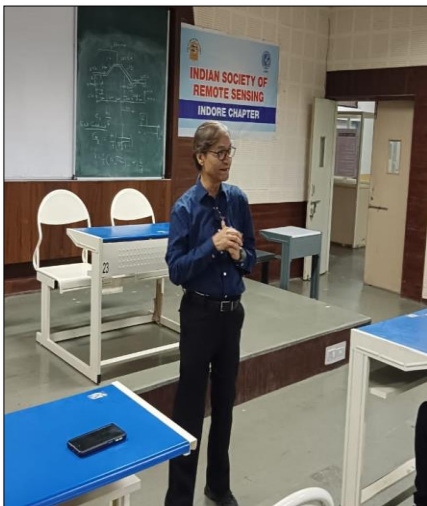


Dr. V. R. Rode as Chief Guest

Dr V R Rode (Senior Professor of the Department and Professor In-charge Sports Activities of the Institute) was Chief Guest for RGPV State Level Athletics Tournament (23-24) in Chameli Devi Group of Institutions, Indore.



Dr. S. M. Narulkar (HOD, CE-AMD) addressing the new batch of B. Tech students.



Dr. H. K. Mahiyar addressing the new batch of B. Tech students.



Dr. S. B. Ajmera addressing the new batch of B. Tech students.



Mr. M. K. Laghate addressing the new batch of B. Tech students.

Expert Lecture delivered in Induction Programme for the new batch students of B. Tech by the Professors of Civil Engineering and Applied Mechanics Department in 2023. The eminent Professors who delivered the lectures were Dr. S. M. Narulkar (HOD, CE-AMD), Dr. H. K. Mahiyar, Dr. S. B. Ajmera, Mr. M. K. Laghate, Mr. D. Dohare, Mr. Vivek Tiwari and Mr. Tarun Kumar Narnaure.

AWARDS RECEIVED BY FACULTY MEMBERS



Mr. Vivek Tiwari receiving Young Concrete Technologist Award.

Mr. Vivek Tiwari was awarded Young Concrete Technologist Award on 22nd September 2023 organised in association with MP Government and Ultratech.



Mr. Vivek Tiwari receiving Das Gupta award.

Mr. Vivek Tiwari was Awarded Das Gupta award on 22nd December 2023.

FACULTY RETIREMENT



Dr. (Mrs.) Vandana Tare at IEEE Women's Conference in Raipur



The Retirement Party hosted by Dr. (Mrs.) Vandana Tare



Retirement of Dr. (Mrs.) Vandana Tare



Teachers and Staff members of Civil Engineering and Applied Mechanics Department



Dr. (Mrs.) Vandana Tare handing over the HoD charge to Dr. S. M. Narulkar

The highly esteemed and admired Dr. (Mrs.) Vandana Tare retired from the institution in August 2023. The glimpses of her retirement function and the party are depicted in the photographs. The retired teachers and Staff members of Civil Engineering and Applied Mechanics Department graced the function. . Her career is an inspiration for everyone, and she has been the true mentor and guide for all the students. Wishing her a great and happiest future ahead from SGSITS.

CONSULTANCIES DONE BY DEPARTMENT



Dr. V. R. Rode, Mr. M. K. Laghate and Mr. Vivek Tiwari (Faculty members of SGSITS) with NHA officials at Mortakka Bridge

- Bridge Monitoring and Testing was completed by Dr. V. R. Rode, Mr. M. K. Laghate and Mr. Vivek Tiwari (Faculty members of SGSITS) in association with NHA officials of Mortakka Bridge over Narmada River in Khandwa.

RESEARCH PROJECT COMPLETED

A research project sponsored by the NRIDA, New Delhi on, 'Performance Evaluation of CC pavements in rural roads' was accomplished by Dr. (Mrs) Vandana Tare and Mr. Tarun Kumar Narnaure. The sanctioned amount was Rs. 20 Lakhs of Rupees.

M.TECH THESIS COMPLETED

Dr. S. M. Narulkar (HOD, CE-AMD)

- Design and analysis of urban intersection under heterogenous traffic conditions.
- Flooding modelling of the catchment area of Gandhi sagar dam using SWAT model.
- Reliability of Non-Destructive test on low volume cement concrete pavement.
- Time series analysis of monthly vehicle registration in Indore RTO.

Dr. (Mrs.) V. Tare

- Laboratory Evaluation on Performance of SBS/PMB Mixture containing High Percentage of RAP with glass waste.
- Pavement Design and rehabilitation of rural road using FDR Test.
- Distresses analysis of cement concrete pavement in low volume roads (A Case Study).

Dr. Rakesh Kumar Khare

- Non-linear seismic performance of Indore Metro Pier.
- Elastoplastic bending analysis of thick plate with robotic hook.
- Seismic performance of coupled RC Shear wall.

Professor Mileen K. Laghate

- Seismic repose of RCC Building with shear wall at different positions and vertical openings.
- Comparative study between SRC and Shear Wall to improve interstorey drift distribution of steel.
- Optimisation of plan geometry of steel diagrid structure with buckling resistant braces.
- Seismic behaviour of longed span roof trusses structure supported on RCC Column.

Dr. Sunil Kumar Ahirwar

- Performance Evaluation of Pavement using Waste Tyre Rubber for Expansive Soil Subgrade.
- Response of Pavement Base Layer using Geocell.

Mr. Devendra Dohare

- Development and Performance Analysis of a Vermifiltration based Bio-Filter System (A Laboratory Model) for efficient wastewater treatment.
- Sustainable Plant based alternatives to Single use Plastic for circular economy in takeaway culture.
- Design of floating Island for Rejuvenation of Nalanda Sarovar, PTC Indore, Madhya Pradesh-A Case Study.
- Design and Modification of Air Purifier using IOT System.
- Process parameter characterization and output valorization of an anaerobic digestion.
- Temporal trends and winter festival related variation in PM10 and PM2.5 levels in Indore City. A 2019-2022 analysis using open air.
- Evaluation of energy performance Index of a green building focused on energy efficiency – A Case Study.

Mr. Vivek Tiwari

- Optimisation of building design for various Bay Spacing Configuration.
- Analysis and Design of advanced Truss Bridge for Military operation.

Mr. Tarun K. Narnaure

- Experimental study on Steel Slag and Fly Ash with zycotherm in Hot mix asphalt.
- Laboratory evaluation of performance of SBS, PMB mixture containing high percentage of RAP.

FDP's and WORKSHOPS COMPLETED BY FACULTY MEMBERS

- Dr. S.K. Ahirwar participated in workshop organised by Civil Department of IIT Indore on “Emerging Technologies for Transportation Safety”.
- Dr. S.K. Ahirwar successfully completed the Faculty development Program (FDP) in “Sustainable Engineering Concepts and Life Cycle Analysis”.
- Mr. Devendra Dohare has participated in Faculty Development Program (FDP) on “Trending Softwares in Civil Engineering” from 04th August 2023 to 10th August 2023.

FDP's and WORKSHOPS COMPLETED BY FACULTY MEMBERS



Mr. Devendra Dohare receiving certificate for GIAN Course.

- Mr. Devendra Dohare has successfully completed GIAN course on “Bioremediation of Hazardous Waste” held at IIT, Indore from 11th December 2023 to 20th December 2023.

RESEARCH PAPERS PUBLISHED

- **Devendra Dohare** “Influence of Steel Chips on the Mechanical and Thermal Properties of Concrete.
- **Devendra Dohare** “Experimental Investigation on Fibre Reinforced Concrete with Coconut Fibres.
- **Tarun Kumar Narnaure, Devendra Dohare** “Experimental Investigation on Self Compacting Concrete with Stainless Steel Slag as a Cementitious Material.
- **Priyank Patel, Tarun Kumar Narnaure, Pranav Thepe and Rajeshwari Kaushal** “Review on Effect of Steel Slag and Fly Ash in Road Construction.

CERTIFICATIONS COMPLETED BY FACULTY MEMBERS

- Mr. Devendra Dohare has participated in Training Program on “Advances in Rock Engineering” from 21st August 2023 to 25th August 2023.
- Mr. Devendra Dohare has successfully completed course on “Construction Management and Practices” organised by NIT, Patna from 14th August 2023 to 19th August 2023.
- Mr. Devendra Dohare has successfully completed Module:3-“Communication Skills, Modes and Knowledge Dissemination”, Module:4-“Instructional Planning and Delivery, Module:5-“Technology Enabled Learning and Life-Long Self Learning”, Module:6-“Student Assessment and Evaluation” and Module:8-“Institutional Management and Administrative Procedures” of National Initiative for Technical Teachers Training by AICTE on September 2023.
- Bridge Level 2 online certification was completed by Mr. Vivek Tiwari from 3rd to 5th October 2023.
- Ms. Megha Patel has successfully completed course on “Foundation Engineering” organised by NPTEL from July 2023 to October 2023.

PG STUDENT SECTION PLACEMENTS

- The following 3 students of M. Tech were placed in L&T Construction in 2023:



Rahul Gupta



Arpit Dalal



Sourabh Sharma

ACHIEVEMENTS



Shubham Kumar with SGSITS Basketball Team



Shubham Kumar on Football field

Shubham Kumar, student of M. Tech Transportation Engineering was the part of winning team of SGSITS in Basketball Nodal Tournament held in IIST Indore on 20th October 2023. He also represented in Football State level.

UG STUDENT SECTION

PLACEMENTS

- The following 23 students of B. Tech Final Year were placed in L&T Construction in 2023:
- Aditi Jha • Deepak Rajput • Krish Salve • Umang Sharma
- Vaibhavi Tiwari • Ramji Mishra • Dhanajay Choudhary • Fardin Sheikh
- Madhusudan • Vicky Singh Kaushwah • Sanyam Jain • Neeraj Agarwal
- Vedant Thakur
- 1 student was placed in Tata Power and 6 students were placed in Alter Infra in 2023.

ACHIEVEMENTS



SGSITS LOGO

Alumni Meet was held for 1998 Batch on 22nd December 2023 and they presented the college with its new Logo.



Aditi Singh
the official media and production club of SGSITS, Indore.

Aditi Singh secured 2nd rank in civil engineering department in first year. She was also anchor and coordinator in college event - KHOJ, organised by GS Production House,



Shivangi Mishra

Shivangi Mishra secured 1st rank in civil engineering department in first year and was anchor in induction programme in 2023.



Yashika Ahirwar and Khushi Bhatia

Yashika Ahirwar 3rd Year and Khushi Bhatia 2nd Year represented Indore Nodal Table Tennis team Won in RGPV State level Table Tennis tournament organized on 21 November 2023 at SATI, Vidisha.



Rushiket D Kute

Rushiket D Kute from Civil-2nd Year Won Gold medal in karate Nodal under 70kg category.



Gunjan Malviya

Gunjan Malviya from 3rd Year B. Tech. (Civil Engineering) secured runner-up in Senior National Netball Championship (MEN & WOMEN) 2023-24 held in Mahbubnagar, Telangana by Association of Telangana.

Drishti Baghel Won in RGPV Nodal Level Inter College Kabaddi Tournament held from 26th to 27th September 2023. She also secured 1st Place in Javelin and Triple Jump in Inter Collegiate Nodal Level Athletics Meet'2023 and Won in Kho-Kho in Inter Collegiate Nodal Level Kho-Kho Tournament'2023 held at Jawaharlal Institute of Technology, Borawan from 22nd – 24th November 2023.



Chirag Trivedi with his Guide and Mentor Mr. Vivek Tiwari

Chirag Trivedi From 3rd Year Civil Engineering received 2nd Rank & Prize Worth ₹750 In Beauru Of Indian Standards Writing Competition. It was held on 28th December 2023.



Geetanjali Masram
Coach and is Wellness Coach, NLP Practitioner.

Geetanjali Masram joined a course on "NLP (Neuro Linguistic Programming)" in April'23. She is trained by Dr. Himanshu Gaur and Somanshu Gaur Sir. Now, she is a Master working as a dedicated Mental a Certified Life Coach, and

