AY 2024-25, ISSUE 7

CIVILIZATION

Department of Civil Engineering-Technical Magazine

Editors

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Students Panel:

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Apurva Murkute (TE Civil-A)

SPratik Ippar (SE Civil- A)

Civilization is a magazine that speaks volumes about the hard effort taken by the faculty members and students to plunge in to the areas of research, environmental awareness and latest technologies. We at the department of Civil Engineering, draw the advantage of being multidisciplinary, leading to diverse projects from students and faculty.

Were present a bouquet of vivid specialties showcased through one magazine "Civilization" This magazine will be published every year enhancing the zeal within its stakeholders to achieve beyond the established benchmarks. Let's raise the bar of our magazine by being an inevitable part of it.

Our Inspiration

Shri. Shahu Chhatrapati Maharaj
President, AISSM Society

From Principal's Desk

Dr. D. S. Bormane
Principal AISSMSCOE, Pune.

I'm glad to signify that with commencement of this year 2024, AISSMS College of Engineering has completed 32 grand years of its establishment.

AISSMSCOE as an outcome of academic excellence achieve inconsistently producing University gold medalists and to prankers in different branches of engineering. Faculty is actively involved in research and development. College has number of very high-end analytical, computational and experimental facilities at the disposal of students. We are going to concentrate more upon the Engineering Research activities and use those for students and society welfare.

I am confident that the College is in a position to deliver the best theoretical and practical training to the students and offer the best talent to the employers. I wish all the best to the aspiring students, employers and all other stake–holders in achieving their goals.

All India Shri Shivaji Memorial Society's

College of Engineering

Vision:

Service to Society through quality education.

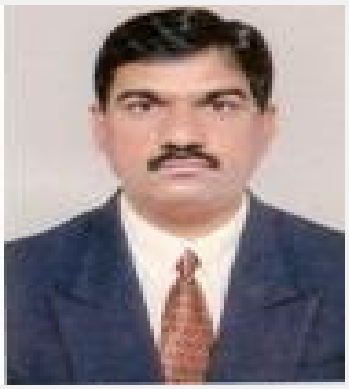
Mission:

- ☐ Generation of national wealth through academics and research.
- ☐ Imparting quality technical education at cost affordable to all strata of the society.
- ☐ Enhancing quality of life through sustainable development.
- ☐ Achieving the distinction of highest preferred engineering college by stake holders.
- ☐ Carrying out high quality intellectual work.

Goals:

- ☐ To inculcate learning habits
- ☐ To create an environment to make the students creative and innovative
- ☐ To promote project based learning.
- ☐ To strengthen industry – institute interaction.
- ☐ To ensure continuous improvement in quality.
- ☐ To develop entrepreneurship skills.
- ☐ To nurture the spirit of team work.
- ☐ To catalyse all – round development of students.
- ☐ To develop technologies for sustainable development.

From Head of Department's Desk...



Dr P B Nangare

Head, Civil Engineering Dept.

It is a matter of great pleasure for me to go through the wonderful contributions made by the students. Hearty congratulations to the editorial team. This magazine is intended to bring out the technical talents in the students and the teachers and to inculcate leadership skills among them. The outside world will come to know about the caliber of the students and the faculty through this magazine.

I extend my thanks to all the contributors for their articles and publications. Reading this magazine would be an inspiration and motivation for all students and staff to contribute even more to the forthcoming issues.

I hope that everyone would continue to give their full efforts to keep the momentum and continue to enhance the standards of the magazine.

Department of Civil Engineering

Introduction

Asthestudentsarenowgearedto explorethevast ocean that invariably allures them and havegamut of Rainbows to be colored, we too as thedepartmentalsohavecertainspecificVision&Missions to be accomplished in the precincts ofthedepartment

Vision

Nurturethetalentincivilengineerstoworkasgloballeader orthedevelopmentofsociety.

Mission

- Providequalityeducationtodevelopcompetentcivilengineers
- Create awareness among students forsustainabledevelopment
- Cultivatetheleadershipqualitiesforbecomingsuccessfulentrepreneurs

ShortTermDepartmentGoals:

- To augment infrastructure and processesfor improvedteachinglearning
- Tocreateawarenessamongststudentsforcompetitive examinations and higherstudies
- ToestablishResearchCentre

LongTermDepartmentalGoal:

1. Todeveloptestingfacilities&Consultancy
2. Toencouragefacultiestopursue
3. DoctorateandPost-Doctorate
4. Toestablishcollaborationwiththereputed
5. Institutesandindustries

Program Educational Objectives(PEOs):

1. To produce civil engineering's who will befully aware ofthe impact of their work on society, both nationally and globally.
2. To achieve a high level of technical expertiseto succeedincivil engineeringpractice andresearch.
3. To develop civil engineerswhoacquireprofessionalism,leadershipandcommitmenttoprofessionaldevelopmentthroughlifelong

ProgramSpecificOutcomes (PSO's)

Graduateswillableto:

1. **PSO1:**Exhibit technical knowledge in planning,analysis, design and managementfor infrastructural development.
2. **PSO2 :**Applytheinnovativetechnologiestoaddress CivilEngineeringproblemsofthesociety.
3. **PSO3:**Enhanceprofessionalabilitiestomeet

CONTENTS

PUBLICATIONS

Effects of variations in the Design Parameters of Cantilever Retaining Wall

Mrs. S A Chavan

Abstract- *Building behavior in seismic forces is dependent on the structural configuration of the building. Regular buildings have more stable and predicted behavior than irregular ones. Irregular configuration in plan and in elevation is one of the major causes of the failure of buildings during earthquakes. Vertical irregularity is more vulnerable than horizontal Irregularity. In vertical irregularity, the stiffness irregularity below the mid-height of the building is affected more than the irregularity above the mid-height. The Soil Structure Interaction (SSI) effects on the vertical irregularity of the RC medium-rise building are analyzed by using 3D and Lump mass models in SAP 2000NL. In the present study, medium hard strata soil is considered to predict the effect of SSI through indirect methods. In the present paper total of eight models of buildings are considered and studied based on the vertical irregularities criteria of mass and stiffness as per IS 1893:2016. Initially, all lumped mass models are considered as linear elastic with fixed based and SSI effect, later on, the same stick models are converted into the elastoplastic stick models by evaluating the yield displacement and yield strength of the 3D model over pushover analysis. The results of the time domain form are analyzed by considering seismic parameters such as fundamental time period, base shear, and displacement of irregular buildings. It is observed that the 3D model is more difficult to analyze than the lump mass model but results obtained by the 3D model are realistic and much identical to that of the lump mass model. Base shear is observed less for the ground floor double height model and middle floor double height model than the other irregularities. However, the displacement response of the middle floor double height model is observed more than the other building. It has been observed that the stiffness irregularities are affected more in the severe earthquake for the SSI effect.*

Conference paper First Online: 24 November 2024 pp 49–60

Establishment of Relationship Between Coagulant and Chlorine Dose Using Artificial Neural Network'

- Dr *D V Wadkar, Dr. P B Nangare, Dr. G C Chikute*

Abstract: *Multiple treatment phases are involved in a water treatment plant (WTP), but coagulation and disinfection are the most crucial for producing safe and clear water. Determining the optimal coagulant and chlorine doses in the laboratory is time-consuming and poses a significant challenge in water treatment. To streamline this process, artificial neural network (ANN) models have been developed to predict the chlorine dose based on the coagulant dose. Studies comparing various ANN models indicate that the radial basis function neural network (RBFNN) model provides excellent predictions (R = 0.999). In modeling with radial basis function neural networks (RBFNN) and generalized regression neural networks (GRNN), the spread factor was varied from 0.1 to 15 to achieve a stable and accurate model with high predictive accuracy. Employing soft computing models to define the coagulant and chlorine doses has proven highly beneficial for the management of WTPs, significantly enhancing the efficiency and accuracy of dosing predictions.*

July 2024 Iranian Journal of Science and Technology - Transactions of Civil Engineering 48(1) DOI:10.1007/s40996-024-01546

Design Parameters of Material Composites in Functionally Graded Concrete Layers

- Dr *V N Patil*

Abstract: *Functionally graded materials (FGMs) have gained attention in the construction industry due to their ability to exhibit varying properties over their volume, tailored for specific performance requirements. This review focuses on the application of the FGM to cement-based materials, particularly concrete. Researchers have utilized a range of cementitious materials, including various cement types, fly ash, and fine and coarse aggregates from natural and crushed sources, to develop functionally graded concrete. Standardized testing techniques, like split tensile strength, bending/flexural strength tests, and compressive strength tests, have been u sed in experimental research to evaluate how these materials perform. The review provides a comprehensive overview of the materials employed and the testing methodologies adopted across multiple studies, highlighting the potential benefits of functionally graded cement-based materials in enhancing the functionality of construction elements.*

International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) Vol 11, Issue 12, December 2024

AI-Human Co-Evolution: Feedback Loop Design, Organizational Innovation, Ethical Considerations and Workforce Dynamics

- Dr V N Patil

Abstract: *This research paper explores the intricate relationship between artificial intelligence (AI) and human evolution within organizational structures, ethical considerations, and workforce dynamics. It examines the development of AI-human feedback loops, the transformative effects of AI on organizational innovation, ethical dilemmas, and the evolving workforce landscape. The study employs a mixed-methods approach, integrating qualitative insights and quantitative data analysis to provide a comprehensive understanding of AI-human co-evolution. AI-human co-evolution is transforming industries through adaptive feedback loops, fostering continuous learning and optimization in both artificial intelligence and human decision-making. Organizations leverage AI to drive innovation, enhance efficiency, and create new business models while addressing ethical challenges such as bias, transparency, and accountability. As AI reshapes workforce dynamics, there is an increasing need for reskilling, upskilling, and redefining human roles to ensure collaboration rather than displacement. This paper explores the design of AI-human feedback loops, their impact on organizational innovation, ethical considerations, and workforce transformations, highlighting strategies for sustainable and inclusive AI integration.*

Nanotechnology Perceptions 20No.5(2024) 1709–172 ISSN 1660-6795

Automated Detection of Lower-Grade Gliomas Using Deep Learning with UNet and EfficientNet-B7 Detecting lower-grade gliomas (LGGs) remains a significant challenge in neuro-oncology due to their complex nature and variable clinical behaviors

- Dr V N Patil

Abstract:. *Detecting lower-grade gliomas (LGGs) remains a significant challenge in neuro-oncology due to their complex nature and variable clinical behaviors. Accurate identification and classification of LGGs are crucial for devising effective treatment strategies and improving patient outcomes. This study presents an innovative approach to LGG detection leveraging advanced deep learning techniques, outperforming traditional image segmentation methods. The research emphasizes the use of the UNet model, enhanced with an EfficientNet B7 backbone, to achieve superior accuracy in automatic LGG prediction. By integrating these cutting-edge technologies, the proposed framework not only streamlines the detection process but also enhances the precision of diagnosis. This approach provides valuable insights that can significantly aid in the early identification and management of LGGs. Furthermore, the proposed method focuses on overcoming limitations associated with traditional techniques, such as manual segmentation inaccuracies and computational inefficiencies. The adoption of deep learning enhances the model's ability to analyze intricate patterns and subtle variations in medical imaging, leading to more reliable and consistent results. By advancing the automation of LGG detection, this research contributes to the ongoing development of diagnostic tools in neuro-oncology, potentially reducing diagnostic delays and enabling personalized treatment approaches. The findings pave the way for future advancements in integrating artificial intelligence into medical imaging and neuro-oncology practices*

Journal of Information Systems Engineering and Management2025,10(33s)e-ISSN:2468-4376https://www.jisem-journal.com

Performance-based analysis: for vulnerability assessment of vertical irregularities in reinforced concrete structure with soil-structure interaction

-Mrs. S A Chavan

Abstract: *Abstract Vertical irregularity is one of the major causes of the failure of the structure. Buildings with vertical irregularities are widespread and unavoidable during rapid urbanization in almost all countries. The safety of such buildings is most important against vulnerability in an earthquake. The vulnerability of structures is assessed using the damage indices of fragility curves. These fragility curves were developed using the HAZUS method, which is used to find the probability of structural damage due to various seismic excitations. This fragility curve determines the probability of none, slight, moderate, extensive, and complete damage to the structures. These fragility curves help to identify the vulnerability percentage of vertical irregularities compared to the regular building. Research also reveals that the vulnerability of the irregular building is similar to the vulnerability identified in terms of roof displacement, base shear, and drift ratio using the THA method. This research also helps to determine the possibility of damage being observed for the structures carrying stiffness and mass irregularities. It is found that stiffness irregularity is more vulnerable than mass irregularity. An increment in collapse probability is observed in stiffness and mass irregularity on the ground floor. Considerable slight to moderate damage possibility is observed in mass irregularity models, and collapse possibility is observed high in stiffness irregularity models. Also, it is observed that the SSI affects adversely on the structures.*

ISSN: 23644176 DOI: 10.1007/s41062-025-01890-6, Publisher: Springer International Publishing; Springer; IEC; Berg

Predicting Air Pollution Levels in Pune, India using Generative Adversarial Networks

-S P Khedekar

Abstract: *Fuel combustion, industrial and factory exhausts, and mining activities contribute to air pollution. Predicting and evaluating the quality of air is a field of study that is growing in importance. This research builds a Generative Adversarial Network (GAN) air quality prediction model. A pre-trained accurate model was applied to predict pollutant levels in air at a given location based on historical data. The prediction GAN model utilized pollutants datasets of Particulate matter (PM2.5 and PM10), Nitrogen dioxide (NO2), Carbon monoxide (CO), and Ozone (O3) between 2016 and 2021 in Pune, India. The Root Mean Square Error (RMSE) statistical measure was used to assess the model's performance accuracy. The close alignment between real and predicted values underscores the high precision of the GAN model in forecasting air pollutant levels.*

ETASRVolume:14|Issue:5|Pages:17405-17413|October2024|
https://doi.org/10.48084/etasr.8512Online: 10 September 2024

Optimal allocation of non-linear viscous dampers for building structures.

-*Dr A A* Manchalwar

Abstract: *By incorporating passive energy dissipation methods, structural integrity can be maintained under cyclic loads caused by seismic activity. This study aimed to evaluate the performance of viscous dampers by employing finite element method (FEM) simulations via SAP2000 software on seven-story reinforced concrete (RC) frame structures. First, dampers are positioned at the edge of each level to analyze the structure's response to four seismic datasets. The utilization of dampers significantly mitigates damage characteristics such as displacement and drift. Nevertheless, logistical constraints render it impractical to install dampers on every floor. Consequently, a positional optimization employing evolutionary algorithms is conducted to identify the most favorable damper locations, considering configurations with four and eight dampers. By minimizing a predefined objective function, the optimization procedure identifies optimal positions. Subsequently, the results for the optimal locations are compared with those of the no damper case and full damper case*

June 2024 Asian Journal of Civil Engineering 25(6):1-13 DOI:10.1007/s42107-024-01093-x

Vibration control of structure using inelastic tuned mass damper

- Dr. P B Nangare, Dr.A A Manchalwar

Abstract*: Currently, earthquake-resistant design standards are based on the expectation that structures will undergo inelastic behavior during major seismic events, often resulting in ductile behavior with notable damage in steel and reinforced concrete buildings. Passive control systems are commonly employed to shield buildings from earthquake-induced damage. This study focuses on examining a building with a top floor serving as a tuned mass damper (TMD) through base isolation. The top story acts as the TMD, with an isolation system placed at the bottom of this upper floor. Made of concrete, this TMD possesses the same damping ratio as the primary building structure. The effectiveness of this Base Isolated TMD is assessed by comparing analysis results obtained through Time History Analysis. This comparison reveals that the Base Isolated TMD significantly enhances the building's seismic performance when compared to a structure lacking a TMD*.

June 2024 Asian Journal of Civil Engineering 25(6):1-12 DOI:10.1007/s42107-024-01078-w

Damage classification and segmentation in extended shear tab connection using convolutional neural networks and transfer learning

-Dr P R Satarkar

Abstract: *The joint is one of the most critical parts of a building structure. In steel buildings extended shear tab (EST) connection is becoming an attractive alternative for light to moderate end shear connections due to its simplicity and economy. Detection and prediction of cracks in connections perform an important job in the maintenance of steel structures. Currently, the structural inspections of such joints are conducted by manually which is a tedious and expensive. It is essential to detect damages in joints in order to ensure structural safety. In this study a two-phase convolutional neural network (CNN) using transfer learning is presented for detection and segmentation of cracks and damages in component parts of an EST connection. Different pretrained networks using transfer learning, including AlexNet, GoogLeNet, ResNet-101 and VGG-16 are considered for crack and damage detection. The undamaged, cracked and damaged images of component parts of sixteen EST connections were generated through the finite-element simulation which were used to develop the CNN model. Segmentation and detection results show that VGG-16 model appears to give the best results with 100% precision and accuracy, followed by ResNet-101, and AlexNet, and finally GoogLeNet gives the least performance among the four methods selected. This study will be resourceful for quick reference for those who are working in structural health monitoring field.*

October 2024 Asian Journal of Civil Engineering 26(1):221-236 DOI:10.1007/s42107-024-01185-8

Experimental of pre-processed natural fiber reinforced concrete'

- Dr. Shilpi S Bhuinyan

Abstract: *Because of advancements in steel, more steel waste is being created. industries that produce things. The increase in these wastes has a negative impact on the environment, and it also necessitates a lot of space to store them. rather than discarding Reusing these wastes in many businesses is a significant achievement in terms of lowering environmental pollution and supplying inexpensive goods. This led to the motivation for this study, which looked at the impact of lathe scrap fibers produced by Computer Numerical Control (CNC) lathe machine tools on concrete performance. An experimental investigation was carried out on a few test specimens in order to achieve this goal while taking varying fiber contents into account. We measured the slump and workability of concrete made with various lathe trash fibers. In order to determine the compressive strength and splitting tensile strength of the hardened concrete, 150 mm 150 mm 150 mm cubic specimens and cylindrical specimens with a diameter of 100 mm and a height of 200 mm were examined. Lathe waste scrap was divided into four different volume fractions (0%, 1%, 2%, and 3%). The compressive and splitting tensile strength of fiber-reinforced concrete increases with the addition of lathe scrap, however after a certain value of steel fiber content, there is a loss in workability. Furthermore, microstructural analysis was performed to observe the interaction between lathe scrap fiber and concrete. Good adhesion was observed between the steel fiber and cementitious concrete. According to the results obtained, waste lathe scrap fiber also worked as a good crack arrestor. Lastly, practical empirical equations were developed to calculate the compressive strength and splitting tensile strength of fiber-reinforced concrete produced with waste lathe scrap.*

publication at: https://www.researchgate.net/publication/374447558

- *Vishvas More research project under the guidance of Dr. S. S. Bhuinyan entitled "Influence of Pre-Processing treatment for enhanced compatibility and performance of Natural Fibers in concrete" at the 17th Maharashtra State Inter- University research convention Avishkar 2024-25 held at BATU, Lonere during 12- 15 Jan 2025.*

- *Chinmay Kumbhar, Atharva Virkar, Dheeraj Loharm, Pratik Ippar, Shravani Tambe, and Poorva Shinde (Team HimaShield) have secured a spot in the Smart India Hackathon (SIH 2024) Grand Finale, under the guidance of Dr.(Mrs.) V N Patil at Delhi on 11–12 December 2024.*
- *Pranjali Thawri, Sajan Bodele,Vedanti Thorve, Adwait Rao, Jayaanmol Shah, Harshwardhan Thube (Team Astra Codifiers) has made it to the Smart India Hackathon India (SIH 2024) Grand Finale, under the guidance of Dr.(Mrs.) V N Patil at the Bengaluru on 11-12 December 2024.*

- *Manav Pawar, Atharva Nigade, Chahul Pareliwar and Ankita Shinde got selected competition under sustainability at state level, organised by Kalika steel pvt. Ltd. at Jalna, under the Guidance of Dr. S. S. Bhuinyan.*

❖ *Apurva Murkute from TE Civil secured Runner-up position in Table Tennis at Flame Kurukshetra 2025*

❖ *Maitreyee WADATKAR got selected for inter district youth exchange programme from 10th Feb to 14th Feb 2025 under Nehru yuva kendra - Mera yuva Bharat , at Wardha.*

- *Nitin Chakor and Suyash Desale project under the guidance of Dr. S. S. Bhuinyan entitled "Long welded rail thermal expansion" was approved by Central railway.*
- *Sneha Divekar received appreciation for best Project under the guidance of Dr. S.S. Bhuinyan from PCERF - B. G. Shirke Vidyarthi Awards 2025 on 30/01/2025.*
- *Sakshi karande and Yogesh Waghmare have received best performance during internship under builder association of India.*

- *Himanshu Soni, Aryan Tilekar and Prachi Tonde have granted patent on "Smart irrigation system for product AUTOIrrisAI"*
- *Mayuresh Jachak have participated in Zonal round of Avishkar 2024-25, Organized by SPPU, Pune.*
- *Apura Murkute have secured Second position in Handball at ZEST 2025, Organised by COEP.*

❖ AWARDS/RECOGNITION/ Achievements of Faculty Members

- *Dr. U R Awari served as Resource Person for One Day Workshop on 'Implementation of Engineering Mechanics in Context of NEP -2020' in association with SPPU at AISSMS COE on 23.8.2024.*
- *Dr. U. R. Awari served as Resource Person for Workshop on Engineering Mechanics organized by College of Engineering and Research, Yeola on 30.08.2024.*
- *Dr. U. R. Awari invited as Chief Guest for Induction Program of First Year Diploma student of RSCOE Polytechnic on 05.09.2024.*
- *Dr. S. S. Bhuinyan reviewed Research Paper for ALL INDIA SEMINAR: "Emerging Trends in Engineering and Technology: Shaping the Future of Innovation".*
- *Dr. U R Awari inaugurated IEI Student Chapter of E&TC at D Y Patil Institute of Technology Pimpri on 01.10.2024.*
- *Dr. S. S. Bhuinyan has conducted at the National Level on "Steps involved in the preparation of DPR, Initial study and "Draft DPR with Quantity and Costing, Final DPR, and Approval/Sanction Procedure for MoD and MORTH Works" organized by the Border Roads Organization (Ministry of Defense) on 19-01-2025.*

- *Dr. K. N. Kulkarni has conducted session at the National level on "Inception report and quality assurance plan, draft and final feasibility on organized by the Border Roads Organization (Ministry of Defense) on 21-01-2025.*

❖ Glimpses of Department Activities:

❖ INDUSTRY INSTITUTE MEET

❖ *Dr S. S. Bhuinyan attended IFAT Expo, Mumbai, on 18.10.2024*

❖ *Dr. S.R. Parekar, Mr. C. S. Misal, Dr. A. A. Manchalwar, Mr. C. R. Yeole and students have visited International Expo Constro 2025 in association with PCERF on 31st Jan 2025.*

❖ *Ms. A .M. shete along with students have visited DIPEX 2025- The mahakumbha Technology and Innovation at COEP Technological University Pune on 5/04/2025.*

- *Dr. S.S. Bhuinyan has coordinated With Ultratech Cement Ltd. Technical Head India, Zonal head, regional head, and technical managers on 16/10/2025.*

- *Workshop on "UltraTech Building Products" for inhouse Ultratech Engineers organized by UltraTech Cement Limited and Department of Civil Engineering, AISSMS COE, Pune, on May 2025, 10:00 am onwards. Faculty coordinator – Dr. S. S. Bhuinyan.*

- *Dr. P B Nangare and Dr. S.S. Bhuinyan coordinated for ATE Huber Industry visit at Centre of Excellence Lab.*

❖ INDUSTRY VISITS

❖ *Educational Visit for SE Civil students organised at College of Military Engineering, Pune on 08.08.24 to 09.08.24. Faculty Co-ordinators are Ms. S. P. Khedekar and Mr. C. S. Misal*

❖ *Site visit for SE Civil students organized at MERI Nashik on 17.10.24. Faulty co ordinators are Dr. P. B. Nangare, Mr. U.J. Jadhav, Dr. S. K. Nalawade, Mrs. S. A. Chavan, Mr. C.S. Misal and Ms. S.P. Khedekar*

- *Educational Visit for BE Civil students organized at Sant Tukaram Sahakari Sakhar Karkhana Ltd. Mulshi on 30.09.2024, Faculty co ordinators are Mr. P.R. Modak, Dr. D. V. Wadkar, Dr. G. C. Chikute, Dr. V.S. Chavhan*

- *Dr. S. R. Parekar and Ms. P. R. Satarkar has arranged educational visit for TE Students at B.G. Shirke Construction Technology Ltd. kiwale, 31/07/2024.*
- *Dr. S. D. Nagrale and Dr. S. R. Parekar has arranged educational visit for TE Students at Nandan Probiz, Balewadi, Pune, on 17/10/2024.*
- *Site visit organized for BE Civil students at MBPT, Mumbai on 21.10.2024, arranged by Dr. S. S. Bhuinyan, Dr. V. S. Chavhan, Dr. A. A. Manchalwar, Dr. S. K. Nalawade, Ms. A. M. Shete and Ms. V.V. Rokade*

- Educational Visit under HWRE for TE Civil students to enhance the knowledge in seismology, meteorological constraints and data collection for forecasting on 19.09.24 & 20.09.2024. Faculty co ordintors are Mr. C. R. Yeole and Dr. S. R. Parekar

- Mrs *M S Chiwande, Mr U J Jadhav, Dr P R Satarkar, Mrs S A Chavan and Mrs V Rokade has visited at Construction site at Bharat Ratna Atal Bihari Medical College, Pune 15/04/2025.*
- *Dr. S. S. Bhuinyan and Dr. S. R. Parekar has visited with TE Students for DRCS Subject at Center of Excellence AISSMS COE, Pune, 25/04/2025*
- *Educational Visit organized for ME (CM) students at Ashwini Apartments Erandwane Pune on 08.01.2025 by Dr. K. N. Kulkarni and Ms. S. P. Khedekar.*

- *Educational Visit under DRCS for TE Civil students to enhance the knowledge at Rahul Construction, Opposite to Jupiter hospital, Baner, Pune on 04.04.2025 Faculty coordinators are Dr. S.S. Bhuinyan, Dr. S. Parekar, Dr. P.R. Satarkar, Dr, M.V. Waghmare and Mrs. S.A. Chavan.*

- *Mr. U. J. Jadhav, Mr. P. R. Modak, Mrs. Amruta Shete and Ms. V. V. Rokade has visited at site for Survey Project at ABMSP's Anantrao college of Engineering Pune , on 13 and 14 /02/2025.*
- *Dr D V Wadkar, Mr P R Modak and Mr V S Bhakare has visited with TE Students at Naidu Sewage Treatment Plant, Pune, on 03 and 04/04/2025.*
- *Dr. P.B. Nangare, Dr. S. K. Nalawade, Dr. V. S. Chavhan, Dr. G. C. Chikute, Mr. C. S. Misal, Dr. A. A. Manchalwar has arranged site visit for B E at Dimbhe dam on Ghot river near Ambegaon, Pune on 27/02/2025.*

- *Dr. U. R. Awari and Ms. Amruta Shete has arranged site visit for ME (Structural Engg) at ABHUVA innovative Pvt. Ltd. Kagal Dist: Kolhapur on 21/02/2025.*

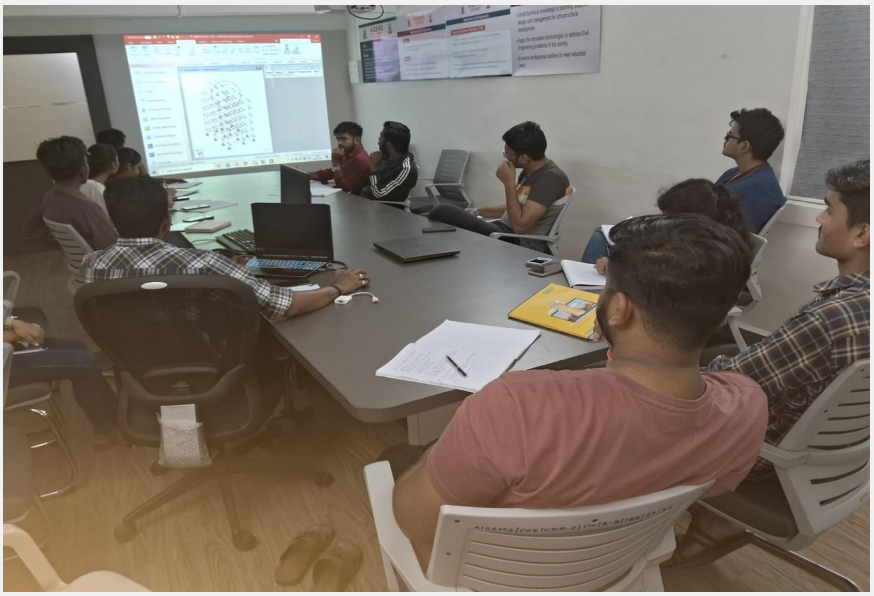
- *Dr. M. V. Waghmare and Dr. A. A. Manchalwar has arranged site visit for ME (Structural Engg) at vertica, Balewadi on 29/04/2025.*

❖ *Dr. G. C. Chikute, Mr. C.R. Yeole, Mr. V. S. Bhakare has visited at Construction site for QSCT subject at Bharat Ratna Atal Bihari Medical College, Pune, on 15/04/2025*

❖ *Dr. S. D. Nagrale, Dr. D.V. Wadkar and Dr. S. P. Khedekar has arranged a site visit for TE students for SWM subject at Transfer section, Ghole road, Pune on 07/04/2024.*

❖ DEPARTMENTAL ACTIVITIES: GLIMPSES

❖ **VALUE ADDED COURSE:** *Department of Civil Engineering, AISSMS COE, Pune in association with Civil Engineering Software Academy (CESA) has arranged value added course of 50 hours on "Software training proposal for industry Preparation of civil Engineering students", Faculty Coordinators are Mrs. S. A. Chavan and Mr. U. J. Jadhav.*



❖ **PARENT'S MEET:** *Dr. K N Kulkarni, Dr. S. S. Bhuinyan and Dr. S P Khedekar had coordinated Parents meet for the Civil Engineering department was scheduled on 26th July 2025.*

❖ **ALUMNI MEET:** *Dr. S P Khedekar, Dr. S. S. Bhuinyan and Dr. K N Kulkarni has coordinated Parents meet for the Civil Engineering department was scheduled on 26th July 2025.*

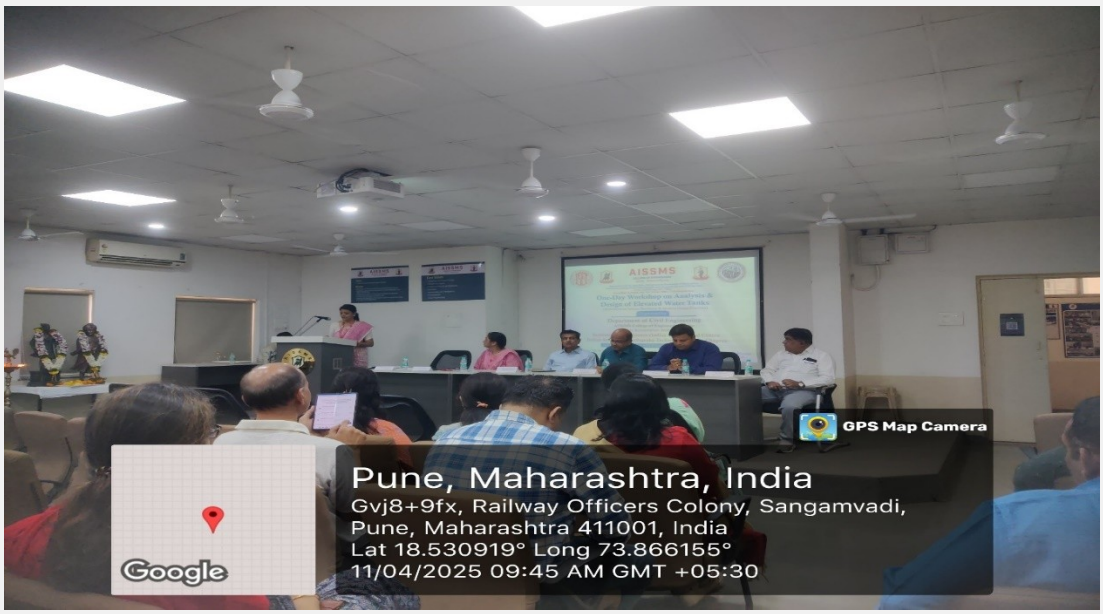
❖ **B.E. FAREWELL :** *Dr. S. S. Bhuinyan and Mr. C.R. Yeole has coordinated BE Farewell for the batch 2025 on 30th April 20225.*

❖ *Students have participated in Two days National Level Event "RAIL-GEOFEST 2025" in the event on 27 and 28 March 2025 under chapters Indian Geotechnical Society and Bureau of Indian Standards, Pune.*

❖ **INDUCTION INAUGURAL FUNCTION:** Induction Program for Civil Engineering students organized during 22.07.24 to 24.07.24

❖ *One Day Workshop on 'Implementation of Engineering Mechanics in Context of NEP -2020' organised by Department of Civil engineering in association with SPPU at AISSMS COE Pune on 23.08.2024. Coordinators are Dr. U. R. Awari and Dr. S. S. Bhuinyan.*

❖ *One-Day Workshop on Analysis & Design of Elevated Water Tanks (With Focus on Seismic Resilience & Modern Design Practices), organised by Department of Civil Engineering In Association with Institution of Engineers (India) - Pune Local Centre Indian Society of Earthquake Technology, Pune Chapter, on 11th April 2025.cordinators are Dr. M. V. Waghmare and Dr. S. R. Parekar.*



- *Two days National Level Event "RAIL-GEOFEST 2025" in the event on 27 and 28 March 2025 organized by Department of Civil Engineering, AISSMS COE in association with Indian Geotechnical Society and Bureau of Indian Standards,Pune. Coordinators are Dr. R. D. Nalawade and Mr. P. R. Modak.*

- *Civil Engineering Department completed the measurement survey of beneficiaries' houses of Kalyan Village for Pradhan Mantri Aawas Yojana under Unnat Bharat Abhiyan initiated by NSS and department of Civil Engineering of AISSMS College of Engineering with Dr. P B Nangare, Dr. V. S. Chavhan, Mr. P R Modak and Mr. C.R. Yeole.*

❖ *Civil Engineering department has completed Tulapur Survey. Coordinators are Dr. P.B. Nangare, Mr. P.R. Modak, Mr. U.J. Jadhav along with civil engineering students*


❖ *National Level symposium "Civispark and ET 2024"has organized successfully on 26th and 27th Sept 2024.*



❖ *Soft Skill Conducted to SE- TE Students.*


❖ *Department of Civil Engineering appreciated all top Three toppers along with their parents from S.E. to B.E. for the AY 2023-24., on 26 th April 2025*

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