



STRONG EDUCATIONAL FOUNDATION TO ADVANCE YOUR CAREER

# Department of Civil Engineering Newsletter

Volume 7 Issue 1

December 2024

### Department Vision:

To be the leading department providing quality education to develop competent Civil Engineers, Entrepreneurs, and innovators to serve the nation.

### Department Mission:

- M1- To provide quality technical education.
- M2- To prepare competent students for employment.
- M3- To focus on developing values and professional skills.

### Program Educational Objectives:

1. To ensure that graduates will have a mastery of fundamental knowledge, problem solving skills, engineering experimental abilities, and design capabilities necessary for entering civil engineering career and/or graduate school.
2. To incorporate verbal and written communication skills necessary for successful professional practice.
3. Demonstrate knowledge of management principles and engineering techniques for effective project management.
4. To prepare graduates to deal with ethical and professional issues, taking into account the broader societal implications of civil engineering

## July-August -September 2024

1. FDP/STTP/ Webinars attended by the faculty members

Faculties from Civil Engineering has attended FDP/ STTP/ Workshop/ Webinars on various topics.

The details are given below.

### FDP/Workshops

Name of faculty	Name of FDP	Date	Place
Dr. P.D. Nemade	NeW IPR 2024 e-Workshop	June 24-29, 2024	Innovative Technology Enabling Centre (InTEC),



			CSIR-IMMT, Bhubaneswar during
<b>Dr. S.J. Kadbhane</b>	AICTE approved One-month online FDP entitled" Revit Architecture" (RRR - 2023)	02 <sup>nd</sup> June to 02 <sup>nd</sup> July 2024	Skill Dezire technologies Private Limited Hyderabad
<b>Dr. A. P. Shelorkar</b>	Research Trends and Future Scope in Civil Engineering RTFSCE-2024	<b>09<sup>th</sup> to 13<sup>th</sup> September, 2024</b>	NIT Jamshedpur
<b>Mr. D.N. Nathe</b>	AICTE approved One-month online FDP entitled" Revit Architecture" (RRR - 2023)	02 <sup>nd</sup> June to 02 <sup>nd</sup> July 2024	Skill Dezire technologies Private Limited Hyderabad

## 2. List of IPR (Patent and Copy Right)

Sr. No.	Name of Patent/Copy Right	Name of Faculty	Application No/Patent no	Date
1	Artificial Intelligence based techniques to monitor and maintain the quality of drinking water supplied to households. <b>(Patent Published)</b>	Manoj B. Patil and others	202241050350A	09/09/2022



3. Educational Visit/Industrial tours/Site Visit/Award/Activity



Expert Session [10/07/2024]





Attending Smart City workshop at IIT Bombay on 10 July 2024 and visit to CTARA, and Civil Engineering Department to tie up for Mentoring IITB Professor with our dept official visit.



Expert Talk organized by Civil Engineering Department on "Design Detailing & recent trends of AI in Trimble Tekla Software" Expert Mr. Jagdish Wani, Sr. Product Specialist, Trimble Solutions India Pvt. Ltd, Navi Mumbai





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Expert Talk organized by Civil Engineering Department on “Role of a Project Manager in Construction” organized by Civil Engineering Department Expert Person: Mr. Gaurav Desai, Project Manager, Gaurav Enterprises, Pune (20/09/2024)





Expert Talk on "Opportunities in the field of Construction Management" organized by Civil Engineering Department Expert Person: Mr. Mahesh Wagh, Project Manager, Kranti Construction (20/09/2024)



F.Y. M. Tech. (CM) Induction Program





Event Description: - A group of BE Civil engineering students, accompanied by Mr. M. B. Patil and Mr. D. N. Nathe, visited Belgaon Daga Village for an educational tour. The visit included planting 147 indigenous plants to promote ecological conservation, studying forest biodiversity, and learning about the local irrigation system. This hands-on experience highlighted the synergy between agriculture and civil engineering, fostering knowledge of sustainable practices. (03/08/2024)





Felicitation of Topper student during Parent Teacher Meet (21/09/2024)



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Industrial Visit to Central Engineering workshop Manmad (30/07/2024)



## October-November -December 2024

### 1.FDP/STTP/ Webinars attended by the faculty members

Name of faculty	Name of FDP	Date	Place
<b>Mr. P. D. Aher</b>	AICTE Training And Learning (ATAL) Academy Faculty Development Program on Innovative material and construction technologies for sustainable construction practices	23 <sup>rd</sup> December 2024 to 28 <sup>th</sup> December 2024	MET Institute Of Engineering Nashik

### Research Paper Presented/Published

Name of faculty	Name of Paper	Journal/conference	Place
<b>Dr. P. D. Nemade</b>	Navigating Urban Congestion: Exploring Parking Dynamics and Challenges in Pune, Maharashtra	SSRG International Journal of Civil Engineering Volume 11 Issue 12, 43-51, December 2024 ISSN: 2348-8352	<a href="https://doi.org/10.14445/23488352/IJCE-V11I12P104">https://doi.org/10.14445/23488352/IJCE-V11I12P104</a>
<b>Dr.A.P. Shelorkar</b>	Nanostructured Metal Oxide Thick Films and Electrical Conductivity	Lambert Academic Publication	ISBN-978-620-8-22547-6
<b>Dr. S. J. Kadbhane</b>	Soil Structure Interaction Vertical Anchored Foundation with respect to	International Conference on Recent Advances in Structural Engineering December 16-18 -2024	Sardar Vallabhbhai National Institute of Technology
<b>Dr. S. M. Waysal</b>	Effect of mineral addition on properties of cement mortar with PET Polymer	International Conference on Recent Advances in Structural Engineering December 16-18 -2024	Sardar Vallabhbhai National Institute of Technology
<b>Mr. P. D. Aher</b>	Evaluation of effectiveness of Fly Ash as Filler in Biopolymer Mortar	International Conference on Recent Advances in Structural Engineering December 16-18 -2024	Sardar Vallabhbhai National Institute of Technology Surat

### 2. List of IPR (Patent and Copy Right)



Sr. No.	Name of Patent/Copy Right	Name of Faculty	Application No/Patent no	Date
1	IOT Strain Gauge Machine	Dr. Pravin Dinkar Nemade, Sidhhi Babasaheb Wagh, Tejas Anil Bedis, Dr. Krishnadeo Tayappa Patil, Rohan Chandrakant Patil	441952-001	25/12/2024
2	Water Purifier Cum Dispenser (Design Patent)	Dr. Pravin D Nemade, Manoj Bhila Patil, Anuja Kiran Ugale, Savita Anil Thombare	440636-001	14/12/2024
3	Regulated Particulate Separator (Design Patent)	Dr. Pravin Dinkar Nemade, Dr. Madhura Chetan Aher, Dr. Satish Manohar Waysal, Rohan Chandrakant Patil, and Trupti Narendra Jadhav	439417-001	03/12/2024
4	Water Purification Column (Design Patent)	Dr. Pravin Dinkar Nemade, Dr. Sharad Jagannath, Kadbhane Dr. Krishnadeo Tayappa Patil Mrs. Madhura Chetan Aher	400319-001	21/11/2023
5	Auto reading of parameters such as arc length, Theta and horizontal distance using sensors to study kinematics of curvilinear motion. (Copy Right)	Mr. Rohan C. Patil , Monika B. Murkute	L-135292/2023	02/11/2023
6	Combined platform of different floors materials with auto reading of height using sensors for determination of coefficient of restitution. (Copy Right)	Mr. Rohan C. Patil , Monika B. Murkute	L-119893/2022	21/12/2022



Site Visit to Treeland, ABH Developers, Gangapur road, Nashik [23/10/2024]





Site Visit of M. Tech FY at Shreeji Floating Villa, Serene Medows first high-rise structure of Nashik (14/12/2024)





L&T Edutech presentation given by Mr. Murali Narsimhan, Mumbai for academic collaboration for establish Centre of excellence. (12/12/2024)



Dr. K. T. Patil Visited Chalisgaon, Rainwater Conservation projects along with team Winjit and wari foundation (11/12/2024)





Shirdi International Airport Visit (14/10/2024)





Water Treatment Plant, Nilgiri Bag, Nashik Visit (10/10/2024)



Water Treatment Plant, Nilgiri Bag, Nashik Visit (10/10/2024)







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Happy  
New Year  
2025

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## *Editorial Team*

*Chief Editor*  
*Editor*  
*Co-editor*

*Dr. P. D. Nemade*  
*Dr. A. P. Shelorkar*  
*Miss.A.K. Ugale*

