

**Edition 7 AY: 2023-24 (Jan – June)****EDITORIAL BOARD**

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**VISION**

To develop competent Civil engineers to accept need based challenges with a sense of social responsibility.

**MISSION**

**M1:** To implement effective teaching learning process to create competent technocrats.

**M2 :** To impart latest technological trends in the Civil engineering through continuous industry Connect.

**M3 :** To inculcate the sense social responsibility in Student.

**Programme Educational Objectives**

- PEO 1.** Provide socially responsible, environment friendly solutions to Civil Engineering Related broad-based problems adapting professional ethics.
- PEO 2.** Adapt state-of-the-art Civil Engineering broad- based technologies to work in Multidisciplinary work environments.
- PEO 3.** Solve broad-based problems individually and as a team Member communicating effectively in the world of work.

**Programme Specific Outcome**

- PSO 01.** Perform optimal civil engineering construction, Planning and designing Activities of desired Quality at optimal cost.
- PSO 02.** Execute civil engineering construction and maintenance Using relevant Material and equipment

## 1.0 Industrial Visits



Visit to construction site for plastering, Scaffolding. , MBSE, Adgaon, Nashik 01st March 2024



Visit to Solid waste management Plant, Composting, Bio-gas plant, Vilholi, Nashik.5th March 2024





**Visit to Railway Station for Railway components, Railway Station, Nashik Road on date 15th March 2024.**

## **2.0 Expert Lectures**

- |                        |   |
|------------------------|---|
| <b>Name of Topic</b>   | - Training on Emergency Disaster response with fire safety mock drill |
| <b>Resource Person</b> | - Mr. Mohammed Arif Khan , Founder, Mark Martial Arts, Nashik.        |
| <b>Date</b>            | - 13/01/2024, Friday, 10.00am onwards                                 |
| <b>Beneficiaries</b>   | - Second and Third year Civil Engineering Students                    |
| <b>Venue</b>           | - Amphitheatre and MET BKC ground.                                    |







- Name of Topic** - Expert talk on personality Development  
**Resource Person** - Mrs. Ragini Somthankar, Director and Founder, English Learning Academy  
**Date** - 20/03/2024, Wednesday, 10.00am onwards  
**Beneficiaries** - Second and Third year Civil Engineering Students  
**Co-coordinators** - Mr. Swapnil Sonawane. Chief Coordinator- Prof. B.S.Dhande  
**Venue** - Class room no -17 (IOTP-CIVIL DEPT)





## 3.0 Staff FDP /Training



## 4.0 Faculty Paper Published

International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)

| e-ISSN: 2319-8753, p-ISSN: 2347-6710 | [www.ijirset.com](http://www.ijirset.com) | Impact Factor: 8.423 | A Monthly Peer Reviewed & Referred Journal |

|| Volume 13, Issue 4, April 2024 ||

| DOI:10.15680/IJIRSET.2024.1304088 |

### Green Plumbing- for Sustainable Future

Hemangi Khairnar<sup>1</sup>, Parth Kacha<sup>2</sup>, Anuja Pathare<sup>3</sup>, Mrs. Bhagyashri Dhande<sup>4</sup>, Mr. Vikas Pawar<sup>5</sup>

Diploma Student, Department of Civil Engineering, MET-BKC Institute of Technology (P), Nashik, M.H., India<sup>1,2,3</sup>

HOD, Department of Civil Engineering, MET-BKC Institute of Technology (P), Nashik, M.H., India<sup>4</sup>

Lecturer, Department of Civil Engineering, MET-BKC Institute of Technology (P), Nashik, M.H., India<sup>5</sup>

**ABSTRACT:** Green plumbing practices are integral to sustainable water management, offering solutions to mitigate the strain on freshwater resources and reduce environmental impact. This paper explores the principles and technologies behind green plumbing, focusing on innovative approaches such as greywater recycling, rainwater harvesting, and efficient fixture design.

Greywater recycling systems offer a sustainable solution for water reuse in urban environments, where water scarcity and wastewater management are pressing issues. This paper examines the design, implementation, and benefits of greywater recycling systems, which capture and treat wastewater from sources such as sinks, showers, and laundry for reuse in non-potable applications. We discuss the technical aspects of greywater treatment, including filtration and disinfection methods, as well as the potential challenges and considerations for system implementation.

## 5.0 Faculty Patent



## 6.0 Qualification up – gradation of faculty

Sr. No.	Name of the staff	Designation	Qualification
1	Mrs. Bhagyashri S. Dhande	HOD	PhD.(App.)
2	Mr. Piyush P. Kadam	Lecturer	PhD.(App.)
3	Mr. Vijay D. Vadnere	Lecturer	M-Tech(App.)
4	Mr. Sanket R. Nimse	Lecturer	PhD.(App.)
5	Mr. Rahul K. Shewale	Lecturer	M.E.(App.)
6	Miss Rajashri B. Nikam	Technical Assistant	B.E. Civil
7	Mrs. Sonali S. Shelke	Technical Assistant	B.E. Civil

## 7.0 Summer 2024 Result

**MET's Institute of Technology Polytechnic**  
DEPARTMENT OF CIVIL ENGINEERING

**Congratulations**  
MSBTE Summer 2024 Exam Toppers

SYCE-A			TYCE-A	
84%	83.87%	77.75%	85.05%	
SYCE-B				
87.50%	82.13%	81.38%	83.21%	81.95%

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RODGAN, NASHIK 422 002 | GOWARDHAN, NASHIK 422 229  
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## 8.0 Final Year Project

### Final Year Project AY 2023-24

Sr. No.	Name of project	Project group Member Names	Name of guide	Type
1	From Trash to Tarmac	Avhad Satyam Maloji	Dr. R.S. Narkhade (Guide)/ Mr. V. D. Vadnere (Co-Guide)	Society-based
		Jagtap Shlok Mangesh		
		Chavan Isha Milind		
2	Green Plumbing- for sustainable Future	Kacha Parth Bharatbhai	Mrs. B.S. Dhande	Society-based
		Khairnar Hemangi Bharat		
		Pathare Anuja Ajaykumar		
3	Wireless EV Charging Roads.	Bachhav Soham Ravindra	Mr. V. Y. Pawar	Study Based
		Ahire Suyash Deepak		
		Shelke Vaibhav Bhawalal		
4	Wireless Charging EV Roads.	Borse Tanish Mangesh	Mr. P. P. Kadam	Society Based
		Shewale Parth Sandeep		
		Ingale Abhishek Dattatray		
5	Permeable Kerb	More Om Pravin	Mr. V. D. Vadnere	Study Based
		Mate Prasad Balasaheb		
		Shinde Rudraksha Jibhau		
6	Cracks and Waterproofing in Civil Structures	Wagh Prathamesh Atul	Mr. S. S. Sonawane	Prototype
		Patil Lochana Anil		
		Bhavsar Shreya Mukund		
7	Glass Fibre Reinforcement Concrete	Chauhan Sangam S.	Mr. R. K. Shewale	Study based
		Yadav Ekta Tushar		
		Kadam Asmita Ganesh		
8	Utilization plastic waste for making ecological Brick	Dongare Shital Rajaram	Mr. Nikhil A. Deore	Study Based
		Sutar Swati Somnath		
		Waghale Vishakha R.		
9	Recycling of Kitchen waste water by Canna Indica Plant	Lagare Gauri Rajesh	Miss. Prachi R. Shelar	Study Based
		Gorave Aditya Bapusaheb		
		Dhawasakar Aachal S.		
10	Extra Underground Tunnel for Future development work.	Kale Swaroop Somnath	Mrs. S. P. Thoke	Study Based
		Bagul Dhiraj Mansaram		
		Karad Yashraj Vijay		
11	Cracks in Building	Jamdhade Sameer Dagdu	Mr. A. J. Bhalerao	Prototype
		Bhondve Vaibhav Rohidas		
		Gangurde Rohit Prabhakar		
12	Design of alternative transportation network in downtown fort way to improve traffic flow and circulation	Chhajed Vaibhav M.	Mrs. S. S. Kanade	Experimental
		Kakad Tanmay Keshav		
		Chaudhari Ishan R.		
13	Review of the Extrusion-Based 3D construction printing Technology	Hiray Sahil Prashant	Mr. S. R. Nimse	Application
		Aute Abhijit Dilip		
		Chaudhari Hiralal Suntilal		
14	Fiber Reinforced Concrete	Sutar Krishna Kailas	Mr. A. J. Bhalerao	Study Based
		Mali Ashwin Ganpat		
		Patil Vivek Dattatray		



9.0 Group photo

THE MET LEAGUE OF COLLEGES

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AS SHARP AS YOU CAN GET

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**MET'S INSTITUTE OF TECHNOLOGY, POLYTECHNIC  
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