

**Pillai HOC College of Engineering & Technology, Rasayani**

**Department of Civil Engineering**

**ME (Construction Engineering & Management)**

**Details of ME Projects Completed From 2019-20 to 2023-24**

<b>Year of Passing -2019-20</b>		
<b>Sr. No.</b>	<b>Name of students</b>	<b>Project Title</b>
1	Arya Vijayan	Real Time Monitoring of Fire Energy and Water Leakages in Buildings using Internet of Things
2	Mahesh Singh	Prediction of Labour Productivity of Brickwork Using Artificial Intelligence
3	Payal Dugane	Arbitration: A Case Study in Construction Industry
4	Pradnya Rane	Experimental Analysis of ECC by Replacing Cement with Marble Powder as a Binder by Destructive and Non-Non-Destructive Tests
5	Jadhav Shobhana	Best Feasible Transportation Route Analysis for Delivering Ready Mixed Concrete (RMC)- A Geographic Information System Approach
6	Sandip Patil	Land Change Detection Modelling and Site Suitability Analysis using Remote Sensing and Geographical Information System"
7	Priyanka Bhatkar	A Case Study on Impact of Oil Spills & Tar ball Pollution on the Beaches of Alibagh(Maharashtra)
8	Zende Chhaya	Manufacturing Techniques of Sustainable Recyclable Formwork By A Smart Material Waste Composite Material (WCM) for Infrastructural Projects of Future Cities - A Swachh Bharat Abhiyan Initiative
9	Kamble Reshma	Hydrological Parametric Investigation of Water Distribution Network for Sawale Village, Raigad District Maharashtra) : A GIS Approach”
10	Patil Pallavi	Optimization in Resource Levelling Management- A Re-modified Minimum Moment Approach
11	Mohanlal Choudhary	Application of 4D GIS Model in Construction Management
12	Sheetal Bhosale	An Experimental Analysis and Comparison of Properties of Concrete with Recycled Aggregates and Partial Replacement of Cement With Alccofine
13	Poonam Prasad	Assessment of Application of Value Engineering in the construction Industry and its Comparative Study with Conventional Method

14	Mohammad Hasware	Prediction of Construction Materials Cost Using Artificial Intelligence Tools
15	Harsha Bajpai	Energy Management of Buildings through Sustainable Design
16	Roshni Pai	Exploring the Potentials of Building Performance Tool to Assess the Impact on Energy in Building
17	Riddhesh Mehta	Comparative Assessment of Procurements and Contracts Procedure for Civil Infrastructure Projects
18	Shrijith Nair	Experimental Study for Grey Water Treatment using Green Wall Concept
19	Felix Francis	Evaluation of Wind Energy Potential for Energy Efficient Building.
20	Aditya Shatri	Integrated Land-Use Zoning, using Topographical Data: Optimizing Vacant Space for Urbanization at Akole Taluka, Maharashtra, India.
21	Pravin Shahi	Optimization Measures and Techniques of RCC Structural Assessment with Application of Non-Destructive Test Approach
22	Sanika Kandlekar	Experimental Study of Pervious Concrete by Using Internal Curing Method and Its Viability for Karanjade, Panvel

Year of passing -2020-21		
Sr.No	Name of students	Project Title
1	Tanvi Nijampurkar	Assessment of Sedimentation of Morbe Reservoir Using Remote Sensing and GIS
2	Shrenik Shah	Assessment of Urban Utilities for Mumbai City using 3D Modelling Technique
3	Godase Chetan	Analyzing the Feasibility of Proposed Signal System to Mitigate Traffic Congestion at Shivaji Chowk, Kalyan

Year of passing -2021-22		
Sr. No.	Name of students	Project Title
1	Anamika Jaiswal	Cost Comparative Analysis of RCC Mode of Pavement for Mumbai Coastal Road Project

2	Dhondabai Narayankar	Soil Erosion Modelling Using Rusle and GIS of Dehrang Dam Watershed, Panvel, District Raigad, Maharashtra
3	Akash Kadam	Investigation of Performance of Concrete Amended by Metakaolin as Supplementary Cementitious Materials.
4	Divyashree Yadav	Automatic Urban Feature Extraction and its Accuracy Assessment From High Resolution Satellite Data Using Object Based Image Analysis from VHR Satellite Data
5	Pranav Parab	Experimental Investigation on Bamboo Reinforced Manhole Cover as a Sustainable Approach
6	Poonam Patil	Exploring the Use of Waste Plastic Bottles in Flexible Pavement for Sustainable Development
7	Poornima Kashid	Project Management Approach using Enterprise Resource Planning (ERP) in Construction Management
8	Abhishek Lowe	Estimation of rate and time delay for underground Mumbai Metro Corridor by using Monte Carlo Simulation
9	Biradar Shilpa	E Waste- An alternative to partial replacement of coarse aggregate in concrete
10	Liya Clara	An Experimental Investigation on Self-Compacting Concrete using Auramix 300 Plus
11	Sobha Rathod	Experimental Study of Partial Replacement of Cement by Fly Ash and GGBS on Strength and Durability of Concrete
12	Petkar Poonam	Experimental Investigation for High Strength and Durable Concrete With Addition of Admixtures
13	Nitesh Chavan	Effects of Partial Replacement of River Sand By Quarry Dust And Cement By GGBS with Super Plasticizer in Concrete for Sustainability

Year of passing -2022-23		
Sr. No.	Name of students	Project Title

1	Manoj Suryavanshi	Optimization of Cost in Ground Improvement for Upcoming Navi Mumbai International Airport
2	Vishal Ambad	Impact of Controlled Permeable Formwork liner against Chloride Penetration on the concrete structures.
3	Vikas Suresh	Smart Construction Safety Helmet: An Arduino Based Risk and Salary Monitoring and Management Tool
4	Sonali Kadu	Adopting An Appropriate System for Minimizing Wastage of Construction Material for Time and Cost Effectiveness in Navi Mumbai Metro Line-1 Project
5	Amit Kumar Sharma	Construction of Day Lighting System for Reducing Dependency on Buildings on Conventional Lighting and its Management
6	Rajnish SIngh	Analysis of Labour Productivity and Determining the Parameters Which Affect it in Aluminium Formwork System
7	Sinhabarma Nilesh Buddhadeb	Scheduling, Quantity and Cost Estimation of Building Elements using Autodesk Revit
8	Khan Sahil Waquar A Majid	Risk Assessment and Challenges Faced in Repairs and Rehabilitation of Dilapidated Buildings
9	Bhopi Ravina Rajendra	An Experimental Study of Concrete by Partial Replacement Of Fine Aggregate With Bakelite Waste
10	Shweta Panaskar	Analysis of Changes in LULC of Western Ghat by Comparing NDVI & NDWI
11	Prashant Chahare	Cost optimization of water distribution system by installing hydropower plant at Hetwane dam, at Pen ,Dist Raigad

Year of passing -2023-24		
Sr. No.	Name of students	Project Title
1	Mr. Pravin Mukkawar	Compressive Approach and Analysis of Risk Identification and its Mitigation Measures for Successful Large Scale Infrastructure Projects
2	Mr. Santosh Deshmukh	Passive Solar Residential Building Design: An Effective Tool and Sustainable Technique for Warm and Humid Climatic Condition

3	Mr. Vivek Sawant	Planning of Construction Permits
4	Mr. Prashant Lukade	Green Concrete Initiative by Replacing Cement with More Than Fifty Percent Mineral Admixtures for Substructure Concrete
5	Ms. Pranoti Pawar	Analysis of Construction and Industrial Waste to Strengthen Flexible Pavement
6	Mr. Vishal Ambad	Impact of Controlled Permeable Formwork Liner Against Chloride Penetration on the Concrete Structures.
7	Mr. Shubham Shinde	Manufactured and Engineered Truly Fly-Ash Aggregate with Light in Weight (METAL)
8	Ashish Kulkarni	Blockchain Enhanced Automation in Construction Industry: Smart Crowd Funding Contacts and Industry