



LIST OF PROJECTS CONDUCTED

Academic Year: 2022-23

Sr. No.	Name of the Laboratory	Facilities	Title of the Project	Name of the Student
1	Testing of material Laboratory and Concrete Technology	<ul style="list-style-type: none">• Compression Testing Machine• Universal Testing Machine• Muffle Furnace• Accelerated curing tank• Aggregate impact value test apparatus• Aggregate Crushing value test apparatus• Vicat Apparatus• Sieve shaker machine• Sieve sets for cement and aggregate• Pycnometer• Le-chatliers apparatus• Slump cone• Vee-Bee consistometer Apparatus• Compaction factor test Apparatus• Density Buckets for aggregates• Marsh Cone Test apparatus• Permeability Test Apparatus• Concrete mixer• Concrete Vibrating table• Rapid chloride penetration test apparatus• Slump cone apparatus• Cubes moulds• Beam moulds• Cylinder• Weighing Balance• Sieve shaker	Performance Evaluation of Processed Sugarcane Bagasse Ash (PSBA) Blended Cement in Mortar.	Shaikh Mahek Ansar
				Sonar Pratiksha Rahul
				Shirke Aditya Sanjay
				Dhawane Shubham Babasaheb
				Kakade Viraj Venunath
				Yelulkar Aniket Kishor
				Gawande Rahul Lahu
				Chavan Vikas Pundlik
				Shelke Sanket Sanjay
				Ingale Om Ramdas
				Bhadange Disha Dinkar
				Gholap Aniket Ashok
				Pansare Radhika Bhausahab
				Chechare Siddharth Vijay
				Muntode Prasad Balasaheb
				Kadam Ajay Sanjay
				Kale Sharvari Sanjay
				Walhekar Parshuram Rajendra
				Tamnar Suvarna Shankar
				Dhulsaindar Ajay Babasaheb
				Ghodekar Harsh Arun
				Dongare Sushama Vishnu
				Gade Supriya Nanasahab
				Sangale Chetan Gotiram
				Gunjal Sourabh Somnath
				Shinde Akshay Balvanta
				Indoliya Vivek Anil
				Jadhav Shantanu Arun
	Salalkar Shivam Jalindar			
	Nagare Pankaj Karbhari			
	Vikhe Akash Kishor			
	Gavali Rohit Dharmendra			



		<ul style="list-style-type: none"> Thermostatic hot air oven 	<p>Strength and durability performance of masonry bricks produced with melted PET Plastic over the conventional bricks</p> <p>Experimental study on waste plastic wave breakers to reduce effect of waves on seashore and coastal areas.</p> <p>Use of rice husk ash, marble dust, and lime as Smart building materials in Bricks.</p>	<p>Pawar Abhishek Ramesh</p> <p>Thorat Abhishek Rajendra</p> <p>Tanpure Atul Vijay</p> <p>Tambe Ankita Laxman</p> <p>Dighe Mayuri Dhondiram</p> <p>Khare Aditya Sunil</p> <p>Kadu Rutuparn Avinash</p> <p>Pachpute Ajinkya Anil</p> <p>Chavhan Aniket Gorakh</p> <p>Munde Shrinivas Bhaskar</p> <p>Pehere Omkar Vishnu</p>
2	Project Lab	<ul style="list-style-type: none"> Grinder Cutter 	<p>Experimental study on waste plastic wave breakers to reduce effect of waves on seashore and coastal areas.</p>	<p>Tambe Ankita Laxman</p> <p>Dighe Mayuri Dhondiram</p> <p>Khare Aditya Sunil</p> <p>Kadu Rutuparn Avinash</p>
3	Geology Lab	<ul style="list-style-type: none"> Resistivity meter Water level Indicator 	<p>Groundwater potential of Basaltic terrain</p>	<p>Shinde Hitesh Nanasaheb</p> <p>Laware Punam Raosaheb</p> <p>Rengade Tejas Laxmikant</p> <p>Raundal Shivam Pandit</p>
4	Survey Lab	<ul style="list-style-type: none"> GPS Tapes Planimeter 	<p>Groundwater potential of Basaltic terrain</p>	<p>Shinde Hitesh Nanasaheb</p> <p>Laware Punam Raosaheb</p> <p>Rengade Tejas Laxmikant</p> <p>Raundal Shivam Pandit</p>
5	Computer Lab	<ul style="list-style-type: none"> Python Html 	<p>Meeting the Requirements of Customers of- Residential Bungalow</p>	<p>Gore Rupali Dattatray</p> <p>Mirpagar Harshvardhan Santosh</p> <p>Dhaygude Rushikesh Annasaheb</p> <p>Jekte Rushikesh Bhaskar</p>
6	Environmental Engineering Lab	<ul style="list-style-type: none"> pH meter Ion exchange column Spectro photometer BOD Incubator COD Digestor Hot air oven Furnace Titration setup Glassware 	<p>Treatment of dye industry wastewater using ion-exchange</p> <p>Effect of Waste Water on compressive strength of Concrete</p> <p>Experimental Investigation on Mechanical Properties of</p>	<p>Chor Vaibhav Duryodhan</p> <p>Kothule Mayur Pandurang</p> <p>Date Gaurav Pramod</p> <p>Chaudhari Ganesh Shriram</p> <p>Salalkar Shivam Jalindar</p> <p>Nagare Pankaj Karbhari</p> <p>Vikhe Akash Kishor</p> <p>Ghodekar Harsh Arun</p> <p>Dongare Sushama Vishnu</p> <p>Gade Supriya Nanasaheb</p>



			Fiber Reinforced GPC By Variation of Alkaline Activators Ratio.	Sangale Chetan Gotiram
7	Transportation Engineering Lab	<ul style="list-style-type: none"> • Impact testing machine • Los Angeles Abrasion testing machine • Density bucket • Flakiness index • Elongation index 	A study on Prevention of Accidents on Road Intersections.	Gagare Namrata Mahesh
				Gaikwad Shital Sahebrao
				Mali Kiran Gulabrao
				Samal Sanskruti Sayanna
			Stabilization of Black Cotton Soil Using Sugarcane Bagasse Ash & Lime.	Akash Balasaheb Gadekar
				Sahni Satendra Rampratap
				Kharat Dattatray Pundalik
				Adangale Tejas Sanjay
			Effect on Strength of Concrete by Partial Replacement of Iron Waste as a Fine Aggregate	Pansare Radhika Bhausahab
				Chechare Siddharth Vijay
				Muntode Prasad Balasaheb
				Kadam Ajay Sanjay
8	Engineering Geotechnology Lab	<ul style="list-style-type: none"> • Sieve shaker • CBR Test Apparatus • Hot Oven • Moisture meter • Liquid limit device 	Stabilization of Black Cotton Soil Using Crumb Rubber and Fly Ash	Deshmukh Prachi Bhanudas
				Bhane Prem Mamasahab
				Chaudhari Nilesh Rajendra
				Garule Vaishnavi Sudam
			Study to enhance the agricultural efficiency by analysis of soil moisture parameters of the farmland	Dongare Akshaykumar Haribhau
				Nirmal Vaibhav Bharat
				Avhad Chaitanya
				Palwe Prashant Vijay
			Stabilization of Black Cotton Soil Using Sugarcane Bagasse Ash & Lime.	Akash Balasaheb Gadekar
				Sahni Satendra Rampratap
				Kharat Dattatray Pundalik
				Adangale Tejas Sanjay



LIST OF PROJECTS CONDUCTED

Academic Year: 2021-22

Sr. No	Name of the Laboratory	Facilities	Utilization for project work	Name of the students
1	Testing of material Laboratory & Concrete Laboratory	Compression Testing Machine	Utilization of bagasse ash and polypropylene fiber for the manufacturing of cement brick.	Bramhane Anjali N. Dushing Shubhangi L Lagad Vishal Ashok Wakchaure yogesh
		Universal Testing Machine		
		Muffle Furnace	Experimental Investigation on Durability of concrete by Agave Sisalana (sisal fibers)	Ghule Sudarshan U. Alte Kiran Bhaskar Bhabad Abhishek V. Tagad Santosh S.
		Accelerated curing tank		
		Aggregate impact value test apparatus		
Aggregate Crushing value test apparatus	Use of polymer in bridge rehabilitation	Bhujadi Chaitanya N. Deshmukh Onkar V. Suryawanshi Pramod Janjale Swapnil V.		
Vicat Apparatus				
Sieve Shaking machine	Use of Sugarcane Bagasse Ash as Cement Replacement Materials in Concrete.	Tupe Neeta Santram Salunke Tushar S Kanade Madhuri G Vasave Nitesh R.		
Sieve sets for cement and aggregate, Pycnometer, Lechatliers apparatus				
Slump cone	Use of Processed sugarcane bagasse ash as cement replacement material in concrete	Udavant Divya C Talpe Tejesh Kisan Gadekar Ujjwala S Sonawane Chetan D.		
Vee-Bee consistometer Apparatus				
Compaction factor test Apparatus				
Density Buckets for aggregates				
Marsh Cone Test apparatus				
Permeability Test Apparatus				
Cubes moulds				
Beam moulds				
Cylinder				
Weighing Balance				
Thermostatic hot air oven				
2	Computer Laboratory	Computer Stadd-Pro software ETabs	Evaluation of performance of tall buildings with different types of structural system as per IS16700:2017 guidelines.	Golekar Nikita S. Gaikwad Digvijay P. Mohd Azeem
			Application U-Boot Technology.	Sachin Eknath Kadlag Aniket Babaji Gunjal



3	Transportation Engineering Laboratory	Bitumen Penetrometer Softening point Apparatus Ductility Apparatus	Improvement of Black cotton soil by using Bitumen emulsion.	Karhad Sumit J. Kakade Sumit P.
4	Engineering Geology Laboratory	Clinometer compass Resistivity meter	Landslides Case study of Deccan Trap.	Harshali N.Kadupati Pritesh A.patil Autade Shweta Kartik V.Tambe
			5 D BIM process for Residential building (Case Study).	Kusmude Shivani A. Dighe Vaibhav S. Galande Soham Sanjay Patil Neel Jayant
5	Geotechnical Engineering Laboratory	Direct Shear Apparatus Standard Proctor Test Apparatus Liquid Limit Device Shrinkage limit Kit Thermostatically Operated Oven	Improvement of soil by using Bitumen emulsion.	Karhad Sumit J. Kakade Sumit P.
			Ground Improvement by using stone column method.	Galande Shubhada R. Chavan Pooja B Swati Sunil Tupe Pimpale Shweta S.
6	Surveying Laboratory	Total Station Auto level Levelling staff Prism Reflector	Transferring R.L using ETS equipment at sub-level from Pravara Left Bank Canal to PREC Loni.	Chindhe Manoj N. Magar Rushikesh L. Haral Vaishnovkumar Shirsath Suraj Ajit
			Landslides Case study of Deccan Trap.	Harshali N.Kadupati Pritesh A.patil Autade Shweta Kartik V.Tambe



LIST OF PROJECTS CONDUCTED

Academic Year: 2020-21

Sr. No	Name of the Laboratory	Facilities	Utilization for project work	Name of the students
1	Testing of material Laboratory Concrete Laboratory	Compression Testing Machine Universal Testing Machine Muffle Furnace Autoclave for cement Aggregate Impact value test apparatus Aggregate Crushing value test apparatus Vicat Apparatus Sieve shaker Sieve sets for cement and aggregate Pycnometer Le-chatliers apparatus Slump cone Vee-Bee consistometer Apparatus Compaction factor test Apparatus Density Buckets for aggregates Marsh Cone Test apparatus Permeability Test Apparatus Slump cone Apparatus	Effect of Plastic Ash on The Strength and the Other Properties of Concrete.	Aboli Anil Shejul Shirsat prasad Kadu Shreyas Dhavane shubhangi
			Effect of Recycled Aggregate on Concrete Incorporate with Micro Silica.	Khule mayur Dhavane Gaurav Rathod pradnyesh Aher krishna
			Noise Absorbing Composite Material Using Agriculture Waste.	Lende Shubham Sonali sagalgile
			Experimental Study on Autoclaved Aerated Concrete Blocks.	Ghegadmal swapnil Gage Prashant Harale siddeshwar Weldode shubham
			An Experimental Study of Waste Thermocol and Benzene as an Admixture in Concrete.	Shubham gunjal Patil swapnil Hole akshay Rahane Pratik
			Design and Construction of Hollow Footpaths Using Plastic Waste.	Rushikesh londhe Harshal dhokane Omkar gagare Rushabh mugdiya
			Partial Replacement of E-Plastic Waste As Course Aggregate In Concrete.	Yusuf shaikh Maruti mandlik Vilas ohal Krushnarao patil
			Utilization of Waste plastic in Bricks.	Suraj chothave Hemant kadam Pritam lambe Abhishekh unde
			Use of plastic waste for flooring materials.	Jondhale Aniket Jondhale Pratik Shete akash Tanpure kunal
5	Geotechnical Engineering Laboratory	Unconfined compression Apparatus Sieve Shaking machine Sieves set for soil and aggregate	Stabilization of Black cotton soil using lime and demolition waste.	Nibhe ruchita Shaikh sana Tamboli sana Nagare shaila
			Modified Sieve Shaker.	Shrushti bhabad



		Liquid Limit Device Shrinkage limit Kit Thermostatically Operated Oven Standard Proctor mould and Rammer Core cutter Plastic limit device Steel containers for moisture content		Nilesh chande Sanket amle Nikhil shete
			Stabilization of Soil Using Plastic.	Wabale Kalyani Hange Priyanka Nirmal kajal Bhagawat shital
7	Environmental Laboratory	pH meter Titration setup B.O.D. Incubator C.O.D. oxidirect TDS meter	Rotating speed breaker surface aerator sewage system.	Shelke Nikhil Vivek ghorpade Shadab patel Sufiyaan shaikh
			Comparative study of rootzone treatment system for horizontal & vertical motion of wastewater.	Rojatkar Nilesh Chaudhari Saurabh
			Analysis and economic evaluation of sewage treatment by 'ASP' and 'UASBR' and generation of electricity.	Unde sanket Kokate Nilesh Ashish shinde Konalikar vyanktesh Bharati krupesh