Macro Project Group Allotment List (B.Tech, IIIrd Sem, Civil Engineering Department)

Group	Student Name	Roll No	Topic	Supervisior
	VAIDEHI SAXENA	BTCE24O1095	Effect of Soil Type on Shear Strength - Compare shear strength parameters (cohesion and friction angle) for clay, silt, and sand.	
1	priyambada singh tomar	BTCE24O1069	Effect of Soil Type on Shear Strength - Compare shear strength parameters (cohesion and friction angle) for clay, silt, and sand.	Dr. Raghvendra Sahu
	Parinita Shukla	BTCE24O1062	Create a physical model to demonstrate uniform and non uniform flow using water trough.	
2	Manish Rajput	BTCE24O1049	Create a Physical Model to Demonstrate Uniform vs Non-Uniform Flow Using Water Trough.	Prof. AK Saxena
	PRIYANSHU	BTCE24O1070	Use of natural fibres (Coconut coir, jute) in soil reinforcement - mix fibre into soil and do a simple shear strength test.	
3	Neeraj kushwah	BTCE24O1055	Use of Natural Fibers (Coconut Coir, Jute) in Soil Reinforcement - Mix fiber into soil and do a simple shear strength test.	Dr. Rohit Ralli
	Diya Sharma	BTCE24O1027	Conduct a soil classification and index property analysis of a local site (e.g., college campus or nearby plot).	
4	Anmol chaturvedi	BTCE24O1009	Conduct a soil classification and index property analysis of a local site (e.g., college campus or nearby plot).	Dr. Mohit Kumar
	Sourabh Rajput	BTCE24O1089	Determine the deflection of a simply supported beam for different loadings.	
5	Balram Singh	BTCE24O1021	Determine the deflection of a simply supported beam for different loadings.	Dr. Abhilash Shukla
	Janak dhakad	BTCE24O1039	Design a Rainwater Channel for Your College Campus Using Uniform Flow Assumptions	
6	Prabhat Patel	BTCE24O1065	Design a Rainwater Channel for Your College Campus Using Uniform Flow Assumptions	Prof. AK Agrawal
	Krishnkant Singh Dangi	BTCE24O1043	Measure Flow Rate Using Notches and Compare with Theoretical Results.	
7	MOHIT YADAV	BTCE24O1051	Measure Flow Rate Using Notches and Compare with Theoretical Results	Dr. MK Trivedi
	Kunal Gautam	BTCE24O1045	Determine the deflection of a cantilever beam for different loadings.	
8	Ansh bhadoriya	BTCE24O1011	Determine the deflection of a cantilever beam for different locations	Dr. Hemant Shrivastava
	Devansh Sharma	BTCE24O1025	Study Energy Losses in Channels Due to Bends and Slopes Using Scaled Physical Models	
9	Om Pandey	BTCE24O1061	Study Energy Losses in Channels Due to Bends and Slopes Using Scaled Physical Models	Dr. Prachi Singh
	Neeraj panth	BTCE24O1056	Use of Natural Fibers (Coconut Coir, Jute) in Soil Reinforcement - Mix fiber into soil and do a simple shear strength test.	
10	Kartik Raj	BTCE24O1040	Use of Natural Fibers (Coconut Coir, Jute) in Soil Reinforcement - Mix fiber into soil and do a simple shear strength test.	Dr. Rohit Ralli
	POORVI JIJHONTIYA	BTCE24O1063	Plot and Analyze Flow Profiles (GVF, RVF) for Channels Using Python/Excel Solver.	
11	Varun Patel	BTCE24O1100	Plot and Analyze Flow Profiles (GVF, RVF) for Channels Using Python/Excel Solver.	Dr. Prachi Singh
	Tarun raj	BTCE24O1093	Conduct a soil classification and index property analysis of a local site (e.g, college campus or nearby plot	
12	RUCHI KUSHWAH	BTCE24O1075	Conduct a soil classification and index property analysis of a local site (e.g., college campus or nearby plot).	Dr. Mohit Kumar

	Anushka Dhakad	BTCE24O1014	Soil Classification Using Field Identification Methods - Use IS classification system based on texture, color, dry strength, and ribbon test.	
13	NANDINI SHARMA	BTCE24O1054	Soil Classification Using Field Identification Methods - Use IS classification system based on texture, color, dry strength, and ribbon test.	Dr. Reema Sharma
	Mrigank Tripathi	BTCE24O1052	Comparison of Consolidation Behaviour of Clay vs Silt - Use oedometer tests or simple jar- settlement tests to compare settlement over time.	
14	NITIN JATAV	BTCE24O1059	Comparison of Consolidation Behaviour of Clay vs Silt - Use oedometer tests or simple jar- settlement tests to compare settlement over time.	Prof. Gautam Bhadoriya
	Tanu Shree Raikwar	BTCE24O1091	Design a Rectangular/Open Channel for a Given Discharge Using Manning's Formula (Excel).	
15	Sachin dhakar	BTCE24O1076	Design a Rectangular/Open Channel for a Given Discharge Using Manning's Formula (Excel).	Dr. Mali Shivashankar
	Harsh singh	BTCE24O1034	Create a Comparison Table of Real-Time Hydraulic Machines (Pump/Turbine) and Their Efficiency (Survey-Based).	
16	Arpit Thapak	BTCE24O1016	Create a Comparison Table of Real-Time Hydraulic Machines (Pump/Turbine) and Their Efficiency (Survey-Based).	Dr. Prachi Singh
	AARYAN SINGH	BTCE24O1001	Design a Small Irrigation Channel Layout for an Agricultural Field (Paper + AutoCAD Optional)	
17	Kunal jogchand	BTCE24O1046	Design a Small Irrigation Channel Layout for an Agricultural Field (Paper + AutoCAD Optional)	Dr. Mali Shivashankar
	Abhijeet Tiwari	BTCE24O1002	Design a Small Irrigation Channel Layout for an Agricultural Field (Paper + AutoCAD Optional)	
18	Akshay Kumar saket	BTCE24O1006	Design a Small Irrigation Channel Layout for an Agricultural Field (Paper + AutoCAD Optional)	Dr. Mali Shivashankar
	Kunal shivhare	BTCE24O1047	Perform vane shear or unconfined compressive strength tests at different moisture contents, analyze trends and suggest practical implications.	
19	Prajjwal sharma	BTCE24O1066	Perform vane shear or unconfined compressive strength tests at different moisture contents, analyze trends and suggest practical implications.	Dr. Mohit Kumar
	Abhiraj Rajawat	BTCE24O1003	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	
20	Saksham Sharma	BTCE24O1080	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	Prof. Gautam Bhadoriya
	VIVEK BAGHEL	BTCE24O1105	Determine the deflection of a simply supported beam for different loadings.	
21	Sumit Yadav	BTCE24O1090	Determine the deflection of a simply supported beam for different loadings.	Dr. Abhilash Shukla
	ABHISHEK SHARMA	BTCE24O1005	Determine the deflection of a cantilever beam for different loadings	
22	Rajveer khande	BTCE24O1071	Determine the deflection of a cantilever beam for different locations	Dr. Hemant Shrivastava
	Aman kumar	BTCE24O1007	Prepare a mini report on sediment transport phenomena near by river (survey + theoretical)	
23	Saksham Gurjar	BTCE24O1079	Prepare a Mini Report on Sediment Transport Phenomena in a Nearby River (Survey + Theoretical)	Prof. AK Agrawal
	SHASHWAT KUSHWAH	BTCE24O1082	Draw the influence line diagram for a simply supported beam.	
24	Nitin Parihar	BTCE24O1060	Draw the influence line diagram for a simply supported beam.	Dr. Hemant Shrivastava
	Sahil Shrivastava	BTCE24O1077	Develop a Flow Estimation Toolkit (Excel Sheet) with Inputs like Slope, Roughness, Geometry.	
25	Krish Sharma	BTCE24O1041	Develop a Flow Estimation Toolkit (Excel Sheet) with Inputs like Slope, Roughness, Geometry.	Prof. AK Saxena

	Vansh Tomar	BTCE24O1099	Create a Comparison Table of Real-Time Hydraulic Machines (Pump/Turbine) and Their Efficiency (Survey-Based).	
26	Raunak Singh	BTCE24O1072	Create a Comparison Table of Real-Time Hydraulic Machines (Pump/Turbine) and Their Efficiency (Survey-Based).	Dr. Prachi Singh
	Rohit Gaur	BTCE24O1074	Comparison of Soil Strength using Cement, Lime, and GGBS - Lab comparison of strength gain and environmental impact.	
27	Arjun Sharma	BTCE24O1015	Comparison of Soil Strength using Cement, Lime, and GGBS - Lab comparison of strength gain and environmental impact.	Dr. Raghvendra Sahu
	Prabhanshu dhakad	BTCE24O1064	Effect of compaction effort on soil properties - use different hammer weights or drop heights to see compaction effects.	
28	Aryan Waskel	BTCE24O1019	Effect of compaction effort on soil properties - use different hammer weights or drop heights to see compaction effects.	Dr. Reema Sharma
	Vaishali Patel	BTCE24O1096	Permeability Testing of Different Soils - Compare sandy vs silty vs clayey soils and Discuss implications for seepage and drainage design.	
29	Pranjal dwivedi	BTCE24O1067	Permeability Testing of Different Soils - Compare sandy vs silty vs clayey soils and Discuss implications for seepage and drainage design.	Dr. Reema Sharma
	Ansh kain	BTCE24O1012	Determine the deflection in a determinate pin-jointed frame using the energy method.	
30	Aryan kumar mishra	BTCE24O1018	Determine the deflection in a determinate pin-jointed frame using the energy method.	Dr. Sanjay Tiwari
	Prashant kumar khare	BTCE24O1068	Strain Rate Effect on Shear Strength - Perform shear tests at different strain rates (fast vs slow) and compare strength behavior.	
31	Tanya Rajput	BTCE24O1092	Strain Rate Effect on Shear Strength - Perform shear tests at different strain rates (fast vs slow) and compare strength behavior.	Dr. Mohit Kumar
	Nikhil Mishra	BTCE24O1057	Develop a Simple App (Using Python/Excel) to Calculate Flow Rate Using Chezy's and Manning's Equations.	
32	Garvit dandotiya	BTCE24O1029	Develop a Simple App (Using Python/Excel) to Calculate Flow Rate Using Chezy's and Manning's Equations.	Dr. MK Trivedi
	Ashwani Kr Gaur	BTCE24O1020	Model Hydraulic Jump Formation Using a Flume (or Household Setup) and Compare with Theory.	
33	Dushyant Singh Sengar	BTCE24O1028	Model Hydraulic Jump Formation Using a Flume (or Household Setup) and Compare with Theory.	Dr. Mali Shivashankar
	SONU MATHUR	BTCE24O1088	Analyse the continuous beam using three moment method.	
34	Shiva singh Bhadauriya	BTCE24O1083	Analyse the continuous beam using three moment method.	Dr. Sanjay Tiwari
	Waseem Khan	BTCE24O1106	Analyse the portal frame using the slope deflection method.	
35	Devansh Samele	BTCE24O1024	Analyse the portal frame using the slope deflection method.	Dr. SK Jain
	Shravan kumar rajput	BTCE24O1085	Analyse the three hinged arch of different shapes.	
36	Golu	BTCE24O1031	Analyse the three hinged arch of different shapes.	Dr. Hemant Shrivastava
	Vinayak nandan mishra	BTCE24O1104	Comparison of Consolidation Behaviour of Clay vs Silt - Use oedometer tests or simple jar- settlement tests to compare settlement over time.	
37	Harshit Pandey	BTCE2401036	Comparison of Consolidation Behaviour of Clay vs Silt - Use oedometer tests or simple jar- settlement tests to compare settlement over time.	Prof. Gautam Bhadoriya
	Chitransh singhal	BTCE24O1023	Numerical Simulation of Gradually Varied Flow in a Mild Sloped Channel Using Excel.	
38	HARSH YADAV	BTCE24O1035	Numerical Simulation of Gradually Varied Flow in a Mild Sloped Channel Using Excel.	Dr. MK Trivedi

	Aryan Aishwarya Mishra	BTCE2401017	Stabilization of Expansive Soil with Waste Materials - Use additives like fly ash, rice husk ash, or lime. Measure improvement in CBR or UCS	
39	Yogesh Singh Tomar	BTCE24O1109	Stabilization of Expansive Soil with Waste Materials - Use additives like fly ash, rice husk ash, or lime. Measure improvement in CBR or UCS	Dr. Rohit Ralli
	Sonpari Manjhi	BTCE24O1087	Estimate Backwater Curve Due to a Gate/Weir Using Step Method (Excel/Python).	
40	Mohit Singh pal	BTCE24O1050	Estimate Backwater Curve Due to a Gate/Weir Using Step Method (Excel/Python).	Prof. AK Agrawal
	Ritik kanel	BTCE24O1073	Analyze Performance Curves of Centrifugal Pump from Lab Experiment and Plot Using Excel.	
41	Anuj Kumar Saini	BTCE24O1110	Analyze Performance Curves of Centrifugal Pump from Lab Experiment and Plot Using Excel.	Prof. AK Saxena
	Satyam Sharma	BTCE24O1081	Design a Rectangular/Open Channel for a Given Discharge Using Manning's Formula (Excel).	
42	Shreesh Pratap Singh Thakur	BTCE24O1086	Design a Rectangular/Open Channel for a Given Discharge Using Manning's Formula (Excel).	Dr. Mali Shivashankar
	Lucky singh rajput	BTCE24O1048	Draw the influence line diagram for a determinate truss	
43	Abhishek Lodhi	BTCE24O1004	Draw the influence line diagram for a determinate truss	Dr. Abhilash Shukla
	Devraj singh chauhan	BTCE24O1026	Comparison of Soil Strength using Cement, Lime, and GGBS - Lab comparison of strength gain and environmental impact.	
44	Gaurav Singh Sengar	BTCE24O1030	Comparison of Soil Strength using Cement, Lime, and GGBS - Lab comparison of strength gain and environmental impact.	Dr. Raghvendra Sahu
	Nitesh Dhakad	BTCE24O1058	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	
45	Bhoovan Koul	BTCE24O1022	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	Dr. Reema Sharma
	yashwant rajput	BTCE24O1108	Stabilization of Expansive Soil with Waste Materials - Use additives like fly ash, rice husk ash, or lime. Measure improvement in CBR or UCS	
46	Sahil Yadav	BTCE24O1078	Stabilization of Expansive Soil with Waste Materials - Use additives like fly ash, rice husk ash, or lime. Measure improvement in CBR or UCS	Dr. Rohit Ralli
	Yash dawar	BTCE24O1107	Analyse the portal frame using the moment distribution method.	
47	Vansh Garewal	BTCE24O1097	Analyse the portal frame using the moment distribution method.	Dr. SK Jain
	INDRESH DHAKAD	BTCE24O1038	Draw the influence line diagram for a determinate truss	
48	Krishna Mudgal	BTCE24O1042	Draw the influence line diagram for a determinate truss	Dr. Abhilash Shukla
	Tarun verma	BTCE24O1094	Analyse the indeterminate pin-jointed frame using the energy method.	
	Vansh Sharma	BTCE24O1098	Analyse the indeterminate pin-jointed frame using the energy method.	
49	Vijay Pratap Singh	BTCE24O1102	Analyse the indeterminate pin-jointed frame using the energy method.	Dr. Sanjay Tiwari
	Naitik Parashar	BTCE24O1053	Effect of Soil Type on Shear Strength - Compare shear strength parameters (cohesion and friction angle) for clay, silt, and sand.	
50	Hakeem singh sengar	BTCE24O1032	Effect of Soil Type on Shear Strength - Compare shear strength parameters (cohesion and friction angle) for clay, silt, and sand.	Dr. Raghvendra Sahu

	Himanshee chouhan	BTCE24O1037	Strain Rate Effect on Shear Strength - Perform shear tests at different strain rates (fast vs slow) and compare strength behavior.	
51	Anjali narwariya	BTCE24O1008	Strain Rate Effect on Shear Strength - Perform shear tests at different strain rates (fast vs slow) and compare strength behavior.	Dr. Mohit Kumar
	Shivendra patel	BTCE24O1084	Analyse the portal frame using the slope deflection method.	
52	Anmol Singh Bhadoriya	BTCE24O1010	Analyse the portal frame using the slope deflection method.	Dr. SK Jain
	Aman Pandey	BTCE25O3D01	Create a physical model to demonstrate uniform and non uniform flow using water trough.	
53	Deeksha Kadam	BTCE25O3D04	Create a Physical Model to Demonstrate Uniform vs Non-Uniform Flow Using Water Trough.	Dr. A.K. Saxena
	Anuj Bhargava	BTCE25O3D02	Design a Rainwater Channel for Your College Campus Using Uniform Flow Assumptions	
54	Chanchal Verma	BTCE25O3D03	Design a Rainwater Channel for Your College Campus Using Uniform Flow Assumptions	Prof. AK Agrawal
	Manas Bhargava	BTCE25O3D05	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	
	Priyanshi Jadon	BTCE25O3D06	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	
55	Rajveer Lodhi	BTCE25O3D07	Comparison of IS Code vs. Other International Standards for Soil Testing - Pick various tests and compare the testing procedures.	Prof. Gautam Bhadoriya

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