Micro Project Group Allotment List (B. Tech, 1st Semester, Department of Civil Engineering)

S.no	Group	Enroll. No.	Name of Student	Topic	Supervisor
1	G1	BTCE25O1001	AADIT VERMA	Identification of different rock minerals with their properties.	Prof. A. K. Saxena
2		BTCE25O1002	AAYUSHI SINGH		
3	G2	BTCE25O1003	ABHAY PRATAP SINGH THAKUR	Common building stones used in India with proper reasoning.	
4		BTCE25O1004	ABHISHEK ARGAL		
5	G3	BTCE25O1005	ABHISHEK GUPTA	Comparison of stone work and brick work with proper applications.	
6		BTCE25O1006	ABHISHEK JATAV		
7	G4	BTCE25O1007	ADITYA BHARDWAJ	To experimentally verify Lami's Theorem for a system in static equilibrium.	Dr. Raghvendra Sahu
8		BTCE25O1008	ADITYA KARAIYA		
9	G5	BTCE25O1009	ADITYA SINGH CHAUHAN	Analyze the forces in members of a simple truss bridge using the method of joints.	
10		BTCE25O1010	ADITYA SINGH TOMAR		
11	G6	BTCE25O1011	AJAY BHUJWA	Design and test a simple damped single degree of freedom system to study its free vibration characteristics.	
12		BTCE25O1012	AKASH BHADORIYA		
13	G7	BTCE25O1013	AKASH SHARMA	To determine the coefficient of static friction between two surfaces using an inclined plane experiment.	Dr. Sanjay Tiwari
14		BTCE25O1014	AMAN ARGAL		
15	G8	BTCE25O1015	ANIKET RAJAWAT	Analyse the motion of a rolling ball down an inclined plane, studying its acceleration and the forces involved	
16		BTCE25O1016	ANKIT SAINI		
17	G9	BTCE25O1017	ANSHUMAN BANBARIYA	Construct a simple mass-spring system and measure its natural frequency and amplitude of oscillations.	
18		BTCE25O1018	ANSHUMAN KU. SINGH PARMAR		
19	G10	BTCE25O1019	ANURAG GUPTA	Verify the principal moment of inertia by measuring and computing of different geometrical shapes.	Dr. S. K. Jain
20		BTCE25O1020	ANURAG GURJAR		
21	G11	BTCE25O1021	ARJUN GUPTA	Create composite shapes from simpler geometries and calculate their centroid and using both theoretical and experimental methods.	
22		BTCE25O1022	ARPIT SINGH PARMAR		
23	G12	BTCE25O1023	ARYAN AGRAWAL	Use different geometric shapes (e.g., circles, rectangles) cut from cardboard or similar materials to experimentally determine their centroid.	
24		BTCE25O1024	ASHISH TYAGI		
25	G13	BTCE25O1025	ATHARV SHARMA	Create a truss structure (e.g., a small tower) and test its ability to carry different loads, analysing the forces in each member.	Dr. Abhilash Shukla
26		BTCE25O1026	BHANU CHAUHAN		
27	G14	BTCE25O1027	BHOOMIKA SHARMA	Construct a physical or virtual model of a beam under various loads and draw shear force and bending moment diagrams.	
28		BTCE25O1028	BOBBY PRAJAPATI		
29	G15	BTCE25O1029	DEEKSHA DEVI AHIRWAR	Build a truss bridge model and use the method of joints and sections to analyse the internal forces in the truss members.	
30		BTCE25O1030	DEVANSH SISODIYA		

31	G16	BTCE25O1031	DIVYA SHARMA	Design a small pulley system with belts and study the effects of friction on the transmission of force and motion.	Dr. Hemant Shrivastav
32		BTCE25O1032	GURJOT SINGH		
33	G17	BTCE25O1033	HAREE SINGH TOMAR	Analyse and measure the friction forces acting on a ladder leaning against a wall and identify the conditions for ladder stability.	
34		BTCE25O1034	HARISHANKAR AHIRWAR		
35	G18	BTCE25O1035	HARSH KIRAR	Construct an inclined plane with adjustable angles and measure the frictional force for different materials and inclinations	
36		BTCE25O1036	HARSHIT TYAGI		
37	G19	BTCE25O1037	HRISHI KIRAD	Model a crane arm and investigate how various loads affect its equilibrium. Students can use free body diagrams and solve for forces and reactions.	Dr. Mali Shivashankar
38		BTCE25O1038	JAY KANSANA		
39	G20	BTCE25O1039	KESHAV BHAWARE	Build a model of a simply supported beam and analyze the forces due to self weight and support reactions.	
40		BTCE25O1040	KRISHNA KULSHRESTHA		
41	G21	BTCE25O1041	KRISHNA KUSHWAH	Build a model of a common household item (e.g., a lamp or a fan) and analyze the forces and moments to ensure it is in equilibrium.	
42		BTCE25O1042	KRISHNAKANT TYAGI		
43	G22	BTCE25O1043	KRITIKA RAJ ARMO	Prepare a document required for obtaining construction permission for a residential building from the local authority.	Prof. Aditya Agrawal
44		BTCE25O1044	MAHENDRA SINGH RAJAWAT		
45	G23	BTCE25O1045	MANYA SHARMA	Prepare report on provisions given in National Building Code 2016 relevant to residential building design.	
46		BTCE25O1046	MISTHI SHRIVASTAVA		
47	G24	BTCE25O1047	MOHIT SHROTI	Collect and summarize building bye-laws and zoning regulations from the local municipal authority.	
48		BTCE25O1048	NEHAL SHARMA		
49	G25	BTCE25O1049	NIHAL BATHAM	Study sustainable building materials (e.g., bamboo, recycled concrete) and prepare a report on their use in green buildings.	Dr. M. K. Trivedi
50		BTCE25O1050	NISHANT DANDOTIYA		
51	G26	BTCE25O1051	OM CHAUDHARY	Draw a developed plan, elevation, section and site plan of a public building by applying NBC 2016.	
52		BTCE25O1052	OM TRIPATHI		
53	G27	BTCE25O1053	PINTU SINGH NARWARIYA	Prepare a report on documents required for obtaining construction permission for a commercial building from the local authority	Dr. Rohit Ralli
54		BTCE25O1054	PIYUSH SHAKYA		
55	G28	BTCE25O1055	PRATHAK DAHERIYA	Prepare a model of a simple building using cardboard, showing components like walls, roof, and windows with suitable colours.	
56		BTCE25O1056	RAHUL ARGAL		
57	G29	BTCE25O1057	RAJNEESH PANDEY	Draw a 2BHK house plan for a 30m x 20m plot, including site plan and elevation, applying NBC 2016.	
58		BTCE25O1058	RAMJAS SONKAR		
59	G30	BTCE25O1059	RAVI PATEL	Study corrosion in reinforcement, identifying causes and control measures	Prof. Gautam Bhadoria
60		BTCE25O1060	RICHA RAGHUWANSHI		
61	G31	BTCE25O1061	RISHI BUDDHE	Analyze the use of artificial sand in construction, submitting a report on its properties and benefits.	
62		BTCE25O1062	SACHIN KUSHWAH		
63	G32	BTCE25O1063	SAJAL DUBEY	Study dampness in buildings, identifying causes and control methods.	
64		BTCE25O1064	SATYAM SHARMA		

65	G33	BTCE25O1065	SATYAM SIKARWAR	Comparative study of artificial timber and natural wood for indoor use	Dr. Prachi Singh
66		BTCE25O1066	SHALEEN DANIEL		
67	G34	BTCE25O1067	SHASHANK SINGH BHADOURIA	Effect of superplasticizer on workability of concrete mix	
68		BTCE25O1068	SHAURYA RISHISHWAR		
69	G35	BTCE25O1069	SHIVAM SHARMA	Waterproofing techniques for concrete structures	
70		BTCE25O1070	SHOURYA PATHARIYA		
71	G36	BTCE25O1071	SOHAM SWARNKAR	Study the use of agro-waste materials (e.g., rice husk, bagasse) in construction.	Dr. Mohit Kumar
72		BTCE25O1072	SOURAV DHAKAR		
73	G37	BTCE25O1073	SUJAL SHUKLA	Different types of masonry joints with their applications.	
74		BTCE25O1074	TANISHQ SINGH		
75	G38	BTCE25O1075	TUSHAR MISHRA	Different types of brick bonds with their applications.	
76		BTCE25O1076	UMESH VERMA		
77	G39	BTCE25O1077	VAISHNAVI JAIN	Fire resistance of construction materials	Dr. Reema Sharma
78		BTCE25O1078	VEERENDRA SINGH KUSHWAH		
79	G40	BTCE25O1079	VYOM TANKLE	Brick masonry bond strength study	
80		BTCE25O1080	YATHARTH AGARWAL		
81	G41	BTCE25O1081	YATHARTH DUBEY	Investigate thermal insulation properties by constructing a small insulated box using foam or straw and measuring heat retention	
82		BTCE25O1082	YUGANT KAILASIYA		

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