

CIVIL PROJECTS (2021-2022)

CONCRETE PROJECTS

1. Effects of different curing methods on strength of self-compacting concrete
2. Experimental study on the replacement of cement by Egg shell powder
3. Replacement of cement with rice husk ash in Self compacting concrete
4. Experimental investigation on green concrete
5. Replacement of cement with flyash and fine aggregate with stone dust
6. Partial replacement of coarse aggregate with coconut shell and fine aggregate with stone dust
7. Stabilization of soil using geo synthetic material
8. Assessment of groundwater contamination using Arthematic mean method
9. A comparative study on the properties of pervious concrete for pavements using flyash
10. Coir reinforced roofing sheets
11. The Performance of high-grade concrete (M60) with full and partial replacement of crushed sand by Granulated Blast Furnace Slag (GBFS) in OPC
12. Behavior of M60 Grade concrete with full and partial replacement of Fine Aggregate (River sand) with GBFS in OPC
13. Experimental Investigation on Behavior of High-Grade concrete (psc) with full and partial replacement of fine aggregates using GBFS
14. Study on mechanical properties of cement mortar by the addition of UREOLYTIC bacteria
15. Experimental study on the replacement of cement by Egg shell powder
16. Utilization of Demolished concrete waste for new construction
17. Strength properties of concrete by using Rice Husk ash
18. Experimental investigation for recycled coarse aggregate replaced for natural coarse aggregate in concrete
19. Experimental study on Copper slag as fine aggregates in concrete
20. Study on Bamboo as Reinforcement in cement concrete
21. Suitability of Brick bats as coarse aggregates in concrete
22. Experimental study on concrete by replacement of cement by glass powder

23. Experimental Study Steel fiber Reinforced concrete
24. Experimental study on replacement of fine aggregate by quarry dust in concrete
25. Red mud as Partial replacement of cement in concrete
26. Laboratory study on soil stabilization using fly ash mixtures
27. Partial Replacement of Coarse aggregates by Polystyrene Beds in concrete
28. Steel fiber Reinforced concrete
29. Shear behaviour of steel fibre reinforced self compacting concrete beams
30. Experimental investigation on replacement of coarse aggregate with ceramic tiles.
31. Study on strength properties of concrete by using polypropylene fibers
32. Behavior of Reinforced Concrete Beams with Coconut shells as Coarse aggregates
33. Mechanical properties Concrete by using Metakaoline as Cement

STAAD Pro. PROJECTS

34. Analysis and design of multistoried residential buildings using conventional method and stad.pro
35. Design and analysis of Hospital Building
36. Circular Water Tank Design By STAAD PRO
37. Rectangular overhead water tank design and analysis using STAAD Pro
38. Shear Wall Design By Using STAAD PRO
39. Auditorium Design By STAAD PRO
40. Apartment Building design by STAAD PRO
41. Single Column Building Design By STAAD PRO
42. Analysis and design of school building using STAAD Pro
43. Design and analysis of residential building
44. Design and analysis of G+9 residential building.
45. Analysis & design of G+10 storey L-shaped residential building in different seismic zones
46. Design and analysis of residential villa using STAAD Pro.
47. Design and analysis of Flyover bridge using STAAD pro
48. Using STAAD Construction Planning of Multi Storied Residential Building (G+21)
49. Design and analysis of high raise structures using STAAD Pro.

50. Analysis and comparison of a regular rc framed G+7 storey building subjected to wind and earthquake load
51. Seismic strengthening of RC structures with exterior shear walls
52. Structural systems of high raise buildings using STAAD Pro.

TRANSPORTATION ENGINEERING PROJECTS

53. Development and experimentation using a low-cost road roughness device
54. Traffic flow analysis
55. Modeling performance parameters of round about using Gap acceptance method for Indian traffic scenario
56. A Study on use of polymeric waste materials in concrete for road pavements
57. A Comparative study on the properties of pervious concrete for pavement using flyash
58. Impact of vehicle pedestrian intersection on traffic flow: Midblock and intersections
59. Estimation of service levels of pedestrian facilities using statistical methods
60. A general study on the life cycle cost analysis for roads
61. Effects of highway geometric elements on accident modelling
62. Study on delay distribution of trains
63. Performance analysis of roundabouts using empirical method for Indian traffic scenario
64. Operational analysis of roundabout under mixed traffic flow conditions
65. Quality control in high way engineering
66. Determination of pedestrian level of service at signalized mid blocks under mix traffic conditions
67. Flexible pavement design by CBR method

ENVIRONMENTAL AND IRRIGATION PROJECTS

68. Modelling of direct runoff on recession curve
69. Determination of contamination in the landfill surrounding using Fuzzy
70. Small Hydropower: Feasible location, potential and installation in ODISHA
71. Study of various methods for the removal of arsenic contamination in ground water
72. Assessment of water resources and management strategies of Brahmani river basin

73. Drip irrigation Design
74. Irrigation System analysis
75. Preparation of bricks using construction and demolition waste and sludge
76. Characterization and Application of Rice Husk for the removal of heavy metals from the Laboratory prepared waste water
77. Environmental flows detailed assessment of the rivers of the Mahanadi basin
78. Water quality improvements using different filter methods
79. Removal of heavy metals from the bed sediments of Brahmani river basin
80. Removal of turbidity from water using low cost adsorbent
81. A study on chemical analysis of water samples from MUSI River and ground water samples.
82. Experimental study on contaminated groundwater
83. Drinking water standards, testing and treatment.
84. Sewage analysis and treatment
85. Water supply and sanitation study for village
86. Hydraulic conductivity and leachate characteristics of Lime Stabilized fly ash.
87. Experimental study for the determination of infiltration rate of soils in field using double ring infiltrometer

GEO TECHNICAL PROJECTS

88. Red mud as a construction material by using bio remediation
89. Stabilization of soil using Geopolymer and Bio polymer
90. Stabilization of industrial by product using alkali activation
91. Study on the effect of agriculture solid waste bagasse ash on the properties of expansive soil.
92. Theoretical analysis of soil nailing ,design ,performance and future aspect
93. Study of liquefaction of soil
94. Usage of Plastic waste for the Soil stabilization
95. Study on effect of molasses on strength of soil
96. Ground Improvement techniques