

TEAM CIVIL -PROJECTS AND ACHIEVEMENTS

Conquer-It-2024, Aakaar IIT Bombay: (completed)

We have designed a pervious concrete, a material known for its effective application in storm water management. As a part of this project we casted a T-Shaped beam, 3 concrete cubes and a cylinder, each intended for assessment of flexural strength, compressibility and permeability, respectively. Tested all specimens At IIT Bombay Geotechnical Earthquake Engineering (GEE) laboratory with notable performance.



Seismic-2024, Aakaar IIT Bombay: (completed)

Designed and constructed a building Structure to resist seismic loading with My team. We Designed and analysed building structure in STAAD.Pro Software, The material used in construction of this particular building structure is POPSICLE Sticks and consists of advanced earthquake-resistant techniques like cross bracing, base isolation. Tested at IIT Bombay Geotechnical Earthquake Engineering (GEE) Laboratory with remarkable performance by standing to the horizontal forces and vibration.



Bridge-It-2024, Aakaar IIT Bombay: (completed)

My team and I have designed and constructed a double decker bridge which stimulates the multiple modes of transport through single connectivity. Designed and Analysed using STAAD.Pro and Auto CAD Software. Material used for making this model is POPSICLE sticks. Tested at IIT Bombay S.E.M.T. laboratory with a load of 73.2 kg.



Makernova-2023, Drishti-Technical Club of SVNIT: (completed)

In this Project me and my team designed and analysed the whole truss bridge with the help of STAAD.Pro software with different loads and materials concerning Indian Standards. We made changes according to our needs so that the bridge can sustain the load without any failure. We analysed the post report & with the reduced scale we started making a representative model of a truss bridge. We chose aluminium for the actual model, We cut aluminium sections according to our scale and joined all the members & made the model.



