**Title of PBL:**

**PREPARATION OF SHAKE TABLE FOR EARTHQUAKE ANALYSIS**

The shake table’s base was made with good quality timber and additional wood blocks were used for support. It was equipped with a battery for providing charge, A switch to open and close the circuit, Wiring to make connections, wooden sticks used as axel for wheels, a small wooden plate for base of placing the building and moving it, plastic bottle caps to be used as wheels, a metallic spoke to connect the motor to the moving plate

**Shake Table Construction:** All the above-mentioned materials were joined together with the help of Copper wiring with cover, Hot Glue gun was used to stick the materials in their proper place. Simple wooden fences were created around the wood plate to prevent the moving plate from going in other directions. All this work was done by the combined effort of our teamwork and passion for the project

**Structural Models:** A Simple structural model simulating the shape of a G+3 storey building was made with the help of simple items such as ice cream sticks and threads. Which were glued together using simple adhesive glue. This model allows us to test the effects of an earthquake on a similar shaped building and how it gets effected with different weightings on its floors



