**PLANNING, ANALYSIS AND DESIGN OF RESIDENSIAL BUILDING (G+1)**

**ABSTRACT:**

* This project building is of a 2BHK residential with the area of area of 1000 sq. ft with (G+1) and proposing area of 869.7 sq.ft in Dalmiapuram.
* The rooms in the proposed building are built spacious enough to occupy needed things inside the building, thus joint family can own this type of house.
* The proposed building has various amenities like living room, bedrooms and kitchen.
* They are built using single type of column, beam, and footing and two-way slabs running over the entire building.
* To plan the residential building by using AUTO CADD.
* To show the 3-Dimensional view of the building by using Revit Architecture.
* To analyze the Load, Moment, Shear Force and Bending moment of the structural components to ensure the structural integrity of the building.
* To design the structural components (Slab, Beam, Column, Footing & Staircase).
* To ensure that each room is thoughtfully planned to maximize space utilization while offering comfort and luxury.

**METHODOLOGY:**

