**ABSTRACT**

This project building is of a 1 BHK residential building of building area of 435 sq. ft. The rooms of 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, master bedroom, bedrooms, dining room and kitchen The Fiber Glass Composite can be used as an alternative material for steel, since it has better material property characteristics compared to steel. The Detailing of Structural Components like slab, beam, column, footing is enclosed within the project report by strictly adhering SP 34 - (Detailing of structural components) codal provisions These are built using single type of column, beam, footing and slabs running over the entire building. The project has salient features like good foundation, transportation facility, water supply and very good sanitary arrangement. The members are designed using limit state method with reference to IS 456-2000. The building is supported with all the facilities such as Garden area, Ventilation for improving indoor air quality and Glazing for window to provide good day lightning inside the building in order to minimize the energy utilization for ultimate sophistication and privacy of wellbeing.