Study of Behavior of Seismic Evaluation of
Multistoried Building with Floating Column

**Abstract:-**

In present situation homes with floating column is a typical characteristic inside the present day multi-storey construction in urban India. Such capabilities are exceedingly unwanted in a building built in seismically energetic areas .This paper targets to analyze the impact of a floating column below earthquake excitation for various soil conditions and as there is no provision or magnification issue laid out in I.S. Code, as a result the determination of such elements for safe and least expensive layout of a constructing having floating column. Sometimes, to meet the requirements these sort of elements can not be prevented even though those are not determined to be of safe. Hence, an attempt is taken to observe the conduct of the constructing all through the seismic interest. In this observe, the seismic behavior of the RC multistory buildings with and with out floating column is taken into consideration. The analysis is finished for the multi-storey homes of G+3 situated at region iv ,Using ETABS Software. Linear Dynamic Analysis is completed for 2D multi storey frame with and without floating column to reap the above goal i.e. The responses (impact) and factors for secure and reasonable design of the structure beneath one-of-a-kind earthquake excitation.

Keywords – Floating Column, Linear Analysis, Response Spectrum Analysis, Magnification Factor.