

# **Tales Unearthed: The Chronicles of Earthquakes through Time**

**Presented by: Md. Mujahed Baba**

## **Abstract:**

The Indian sub-continent is tectonically active and large intraplate seismic activity have been observed in the recent past. The subduction of Indian plate beneath the Eurasian plate forms the Himalayan mountain ranges in the north while the eastern collision-subduction zone raises the existence of the Indo-Burma ranges. Briefly discussed, the intraplate earthquakes are observed in the North East, Northwest and central Indian regions. In the NorthEast Region (NER) diverse earthquake activity have been observed with special emphasises to Shillong Plateau (SP) peripheral with Kopili fault, Dauki fault etc. Earthquakes that are left with evidence in the form of seismites to understand the seismic behaviour and recurrence period in the region. A detailed history of Indian past earthquakes, their occurrences and unveiling the Seismic gaps using multiple analyses will be discussed. These studies aim to aid in infrastructure development and enhance preparedness for future earthquakes.