

*A One-day Motivational Seminar
on Trends in Technology*

STATISTICS OF EARTHQUAKES: FORECASTING AND NOWCASTING

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Quantitative estimates of present-day earthquake hazards in seismically active regions are essential for effective policy-making, community development, and seismic risk reduction. Earthquakes, in a narrow sense, is a sudden movements of Earth's crust, whereas, in a broad sense, the earthquake system exhibits an extremely complex threshold process featuring non-trivial space-time correlations. In light of the same, this seminar aims to explain the rationale and statistical formulation of "earthquake forecasting" and "earthquake nowcasting" along with its importance to disaster mitigation, government regulations, earthquake insurance, and other end-user applications. A few case studies from India, Indonesia, New Zealand, Taiwan, and Iran will be considered for demonstration purposes.

*Organized by Department of Mathematics, Garhbeta College in collaboration with Garhbeta College Alumni Association
Date: 10th May, 2024 at 11 am, Venue: Seminar Hall, Garhbeta College*