PROJECT OBJECTIVES

TEAM ID	**PNT2022TMID22670**
PROJECT TITLE	**NATURAL DISASTER INTENSITY ANALYSIS AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE**

- Improve the understanding of disaster risk, hazards, and vulnerabilities
- Strengthen disaster risk governance at all levels from local to center
- Invest in disaster risk reduction for resilience through structural, nonstructural and find development
- Ancient measures, as well as comprehensive capacity
- Enhance disaster preparedness for effective response
- Prevent disasters and achieve substantial reduction of disaster risk and losses in lives, livelihoods, health, and assets (economic, physical,social,cultural and environmental)
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- Floods are a calamitous and remarkable disaster. Floods impact greatly on human lives, economically and financially affecting nations.

- With the help of a neural network, it is possible to predict floods and save the masses from the disaster.

- By implementing a convolutional neural network and Modified Particle Swarm Optimization (MPSO), Padmawar et al.

- Developed a deep learning approach to foresee the flood circumstances and identify the individuals beforehand.

- In convolutional neural networks, a model to detect wildfire smoke named wildfire smoke dilated dense net was proposed by Li et al.

- Consisting of a candidate smoke region segmentation strategy using an advanced network architecture.

- An evaluation of building clusters affected by earthquakes by exploring the deep learning method, which uses long short-term memory.