LITERATURE SURVEY

|  |  |
| --- | --- |
| Date | 18 November 2022 |
| Team ID | PNT2022TMID47137 |
| Project Name | Natural Disaster Intensity Analysis and Classification using Artificial Intelligence |
| Maximum Marks | 2 Marks |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | TITLE | PUBLISH ED YEAR | OBJECTIVE | METHODOLOGY |
| 1. | Quantifying change after natural disasters to estimate  infrastructure damage with mobile phone data | 2018 | Indicates how mobility patterns change during post disaster time frame, is crucial in order to settle rescue centers and send help to the most affected areas | Describes the approach used to work with aggregated CDR data |
| 2. | Degree of network damage: A measurement for intensity of  network damage | 2014 | To define degree of network damage (DND), a measurement used to  classify the effect of a destructive event on network infrastructures, human, and traffic flows | A five-scale degree of network damage is developed to indicate the impact of disaster events on networks. We combine two network metrics to determine the degree of network damage from the perspective of an ISP. |
| 3. | Natural Disasters Intensity Analysis and Classification  Based on  Multispectral  Images Using  Multi-Layered  Deep  Convolutional  Neural Network | 2021 | To build a multilayered deep convolutional neural network that detects the occurrence of disasters and classifies natural disaster intensity. | The proposed model works in two blocks: Block-I CNN, for detection and occurrence of disasters, and Block-II CNN, for classification of natural disaster intensity types with different filters and parameters |
| 4. | Urban Damage  Detection Using  Decorrelation of  SAR  Interferometric  Data | 2002  IEEE | It indicates a fact that the building damage causes the interferometric decorrelation. | It can be detected using interferometric decorrelation of ERS and JERS-1 SAR data. |
| 5. | Tropical Cyclone  Intensity  Estimation Using  Multidimensional  Convolutional | 2021 | Tropical Cyclone Intensity  Estimation Using  Multidimensional  Convolutional Neural | Accurate estimation of TC intensity is important to theoretical research studies and practical applications when compared to models like CNN. |
|  | Neural Network  From Multichannel  Satellite Imagery |  | Network From Multichannel Satellite Imagery |  |