

LITERATURE SURVEY

Name of the Paper with author name and Year	Advantages	Disadvantages
<p>Application of Multispectral Remote Sensing for Mapping Flood-Affected Zones in the Brumadinho Mining District (Minas Gerais, Brasil).</p> <p>AUTHOR: Lorenzo Ammirati, Rita Chirico- 2022 March.</p>	<ul style="list-style-type: none"> ▪ Easy and quick collection of Data. ▪ Relatively cheap compared to Employing a team of surveyors. ▪ Used for detailed mapping of flood extends and making post – flood damage assessments. 	<ul style="list-style-type: none"> ▪ Expensive to analyze repetitive photographs if there is need to analyze different aspects of the photography features. ▪ The information provided by remote sensing data may not be completed and may be temporary
<p>Natural Disasters Intensity Analysis and Classification Based on Multispectral Images Using Multi-Layer Deep Convolutional Neural Network.</p> <p>AUTHOR: Muhammad Aamir, Tariq Ali – 2021 April.</p>	<ul style="list-style-type: none"> ▪ Predict the short term Spread of wildfire. ▪ More accurate Prediction of Natural disasters. ▪ Predict magnitude of Earthquake 	<ul style="list-style-type: none"> ▪ Limited Statistical Parameters for prediction. ▪ Still lack of symmetric parameters for Numerical Computations.
<p>Flood Susceptibility Modeling Using Advanced Ensemble Machine Learning Models.</p> <p>AUTHOR: Abu Reza Md Towfiqul Islam – 2020 October</p>	<ul style="list-style-type: none"> ▪ It identifies the most vulnerable areas based on physical Characteristics. ▪ It determines the propensity for flooding. 	<ul style="list-style-type: none"> ▪ Restricts economic development as certain land uses are prohibited.
<p>Analysis of flood Susceptibility and zonation for risk management using frequency ratio model in district Charsadda, Pakistan.</p> <p>AUTHOR: Muhammad Farhan UI Moazzam-2018 July</p>	<ul style="list-style-type: none"> ▪ The main advantage of Frequency ratio method is conceiving the impact of sub-factors of every conditioning parameter. 	<ul style="list-style-type: none"> ▪ The main drawback of Frequency ratio method that it ignores the relationship among independent variables.