LITERATURESURVEY

S.NO	TITLE	AUTHOR AND PIBLISHED YEAR	MERITS	DEMERITS
	Application of Multispectral Remote Sensing for Mapping Flood-Affected Zones in the Brumadinho Mining District (Minas Gerais, Brasil).	Lorenzo Ammirati, Rita Chirico- 2022 March.	▪ 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.	▪ 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.
2.	Natural Disasters Intensity Analysis and Classification Based on Multispectral Images Using Multi-Layer Deep Convolutional Neural Network.	Muhammad Aamir, Tariq Ali – 2021 April.	▪ Predict the short term Spread of wildfire. ▪ More accurate Prediction of Natural disasters. ▪ Predict magnitude of Earthquake	▪ Limited Statistical Parameters for prediction. ▪ Still lack of symmetric parameters for Numerical Computations.
3.	Flood Susceptibility Modeling Using Advanced Ensemble Machine Learning Models.	Abu Reza Md Towfiqul Islam – 2020 October.	▪ It identifies the most vulnerable areas based on physical Characteristics. ▪ It determines the propensity for flooding	▪ Restricts economic development as certain land uses are prohibited.
4.	Analysis of flood Susceptibility and zonation for risk management using frequency ratio model in district Charsadda, Pakistan.	Muhammad Farhan UI Moazzam-2018 July.	▪ The main advantage of Frequency ratio method is conceiving the impact of sub-factors of every conditioning parameter. ▪ Frequency ratio method is very quick and easy to apply.	▪ The main drawback of Frequency ratio method that it ignores the relationship among independent variables.