









LITERATURE SURVEY

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Marks	4

Fires do significant damage to forests. Therefore, creating a forecast model is essential and beneficial in controlling forest fires. In this part, we will be discussing the story of what has been done in the field or in related fields in relation to forest fire prediction.

S.no	Authors,year	Algorithms used	Input parameters considered	Findings of the study
[1]	Pranati Rakshit et al, 2021	ML Algorithm: SVM,KNN, Decision Tree, Naive Bayes	Meteorological data	<p> The primary goal of this paper is to forecast the forest fire using climatic circumstances in a given place.</p> <p> Compared to other ways, this strategy is much more helpful for increasing accuracy of the context.</p>
[2]	Madhurima De et al, 2020	Data Mining Approach: SVM, Random Forests	Weather and Moisture data	<p> The aim of this paper is to predict the occurrence of future forest fires.</p> <p> This learning opens room for the development of automatic tools for fire management support.</p>
[3]	Liqing Si et al, 2022	ML Algorithm: Logistic Regression	Fire statistics, Vegetation type, Meteorological data	<p> The main purpose of this research to predict the probability of forest fire occurrence in Lijiang area(China).</p> <p> The results showed that altitude, temperature and humidity were related to forest fire occurrence.</p>
[4]	Can Lai et al, 2022	DL Algorithm: DNN (a type of ANN)	Environmental conditions data.	<p> This work proposed a new method for prediction using numerical environmental variables using DNN.</p> <p> The results show that the proposed method outperforms other models for the prediction of large-scale forest fires.</p>
[5]	Shaoxiong Zheng et al, 2022	DL Algorithm: Dynamic CNN	Forest images (Ground level)	<p> The objective of this paper is to extract features from forest fire images.</p> <p> The proposed CNN prediction model provided better Prediction compared with the benchmark models.</p>

REFERENCES

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