### TOPIC : Emerging Methods for Early Detection of Forest Fires

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| **S.NO** | **TITTLE OF PAPER** | **AUTHOR’S** | **ALGORITHMS** | **ADVANTAGES** | **DISADVANTAGES** |
| **1.** | AI BASED FOREST FIRE SYSTEM. | HIMANSHU UPADHYAY | Python language, Machine learning algorithms,SHA-1, ,AES,3DES,deep learing | This system detects the fire conditions in a short time before any fire accidents spreads over the forest area. | Alerting sound will be very less in the vast forest areas. |
| **2.** | An Intelligent System For Effective Forest Fire Detection Using Spatial Data | K.Angayarkkani and Dr.N.Radhakrishnan | Machine learning, Artificial Intelligence,  Data analytics. | The proposed system made use of image processing and artificial intelligence techniques. | Sometimes the images will not be clear from the previous datas leading to wrong alerts. |
| **3.** | FOREST FIRE DETECTION USING MACHINE LEARNING | Pragati , Sejal Shambhuwani , Piyusha Umbrajkar | Machine learning , cloud computing,SVM. | To implement forest fire detection system using small and cheap sensor nodes.  To build a system which is energy efficient in distributed environment and also efficient in performance. | Speed and the direction of fire cannot be detected. |
| **4.** | Detection of forest fires using artificial intelligence | : Cajot, Antoine | NLP and Machine learning | Easy and very fast alerting technique so that lots of damages can be reduced. | Sometimes there will be often mis aletrs leading to heavy loss for the nature. |