**Title of the Project**  **:** **A LIGHT WEIGHT CNN MODEL FOR FIRE**

**DETECTION**

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**ABSTRACT**

* Vision based fire detection framework has lately picked up popularity when contrasted with customary fire recognition framework dependent on sensors.
* The need of video perception at private, Modern, business regions and woods areas has expanded the use of vision based fire acknowledgment system.
* Recently lots of fire related accidents has occurred due to improper Surveillance or unable to cover those uncertain regions like restricted areas in forest or any factory buildings.
* In order to overcome such accidents , this paper provides a new method using Convolutional neural networks (RCNN).