**PROJECT**

**(2019-20)**

**<Crime Prediction>**

**<Group No:3>**

**SYNOPSIS**



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**About the Project:**

Crime analysis and prevention is a systematic approach for identifying and analyzing patterns and trends in crime. Our system can predict regions which have high probability for crime occurrence and can visualize crime prone areas,which age group is most prone to a particular crime,predict category of the most recorded crime against a particular age group,Security need for that area.

The predicted results cannot be assured of 100% accuracy but the results shows that our application helps in reducing crime rate to a certain extent by providing security in crime sensitive areas. So for building such a powerful crime analytics tool we have to collect crime records and evaluate it

**Motivation:**

Day by day the crime rate is increasing considerably. Crime cannot be predicted since it is neither systematic nor random. Also the modern technologies and hi-tech methods help criminals in achieving their misdeeds. According to

Crime Records Bureau crimes like burglary, arson etc have been decreased while crimes like murder, sex abuse, gang rape etc have been increased. Even though we cannot predict who

all may be the victims of crime but can predict the place that has probability for its occurrence.

**Future Prospects:**

Our system will be able to predict type of crime against particular age group and age group most prone to a particular type of crime in a particular area and requirement of security in that area.

**Requirements:**

* **Hardware:**

1. 8 Gb RAM

2. Core i3 processor

* **Software:**

1. Cloudera

2.Vmware

3.Apache Hadoop

4. PIG