**ABSTRACT**

MAJOR-PROJECT

ON

**“CRIME HOTSPOTS PREDICTION AND ANALYSIS”**

BY:

TEAM-A4

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* **PROBLEM STATEMENT :**

To analyze crime data records and predict the crime rate using machine learning algorithms (K-Means Clustering and Random Forest Classifier) to understand the alarming increase in crime rate and ultimately prevent future crimes.

* **OBJECTIVE:**

To build an application which :

* + Analyzes crime data records
  + Predicts future crime rate using ML algorithms(K-Means Clustering and Random Forest Classifier)
  + The analysis of crime data records and prediction of crime rate will lead to better understanding of the criminal behaviour and alarming increase in crime rate of different crime heads and ultimately prevent future crimes
* **SOFTWARE USED:**
* Language: Python
* IDE: Jupyter Notebooks, Visual Studio Code
* Techniques: Machine Learning Algorithms(K-Means Clustering and Random Forest Classifier),Data Analytics, flask/FastAPI, UI development