



Bahria University
Discovering Knowledge

FINAL YEAR PROJECT REPORT
CRIME DETECTION USING DATA
MINING

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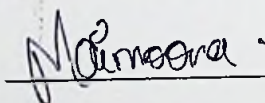
BAHRIA UNIVERSITY (KARACHI CAMPUS)

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DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

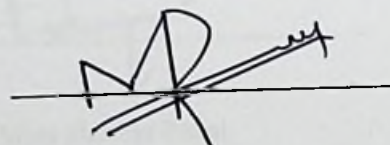
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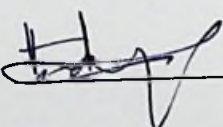
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APPROVAL FOR SUBMISSION

We certify that this project report entitled “**CRIME DETECTION USING DATA MINING**” was prepared by **MAIMOONA SYED AND MUHAMMAD MOBIN** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Computer Science (Honours) at Bahria University.

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CRIME DETECTION USING DATA MINING

ABSTRACT

The advancement of new technologies can also lead to criminal misuse. Crime prediction is a systematic approach for identifying and analysing patterns and trends in crime. Our system can predict regions which have high probability for crime occurrence and can visualize crime prone areas. With the increasing advent of computerized systems, crime data analysts can help the Law enforcement officers to speed up the process of solving crimes. Using the concept of data mining we can extract previously unknown, useful information from an unstructured data. Here we have an approach between computer science and criminal justice to develop a data mining procedure that can help solve crimes faster. Instead of focusing on causes of crime occurrence like criminal background of offender, political enmity etc. we are focusing mainly on crime factors of each day.

Using the Data mining tool we can predict the crime in particular area by analysing the previous data of crime in that area using the K-means algorithm K-means algorithm is done by partitioning data into groups based on their means. This easy to implement data mining framework works with the geospatial plot of crime and helps to improve the productivity of the detectives and other law enforcement officers.

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