



FINAL YEAR PROJECT REPORT

**ANDROID APPLICATION FOR DETECTION
OF CRIME HOTSPOTS AND THEIR
RELATED FACTORS**

**In fulfillment of the requirement
For degree of
BS (Information Technology)**

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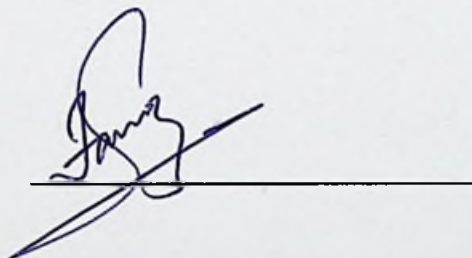
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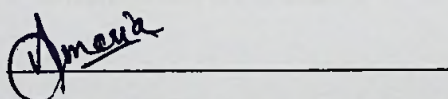
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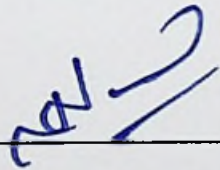
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We certify that this project report entitled **“ANDROID APPLICATION FOR DETECTION OF CRIME HOTSPOTS AND THEIR RELATED FACTORS”** was prepared by **Faraz Ghafoor/ Amaria Batool** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Information Technology at Bahria University.

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Specially dedicated to
My beloved mother and father
(Faraz Ghafoor)
My beloved mother and father
(Amaria Batool)

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ANDROID APPLICATION FOR DETECTION OF CRIME HOTSPOTS AND THEIR RELATED FACTORS

ABSTRACT

The objective of this project is to predict the crime hotspots areas. Crime hotspots are the places on map with much greater crime ratio. These elements are utilized by studies personnel's in order to examine the areas related to crime. Researchers and theorists examine the hotspots occur in specific place and what are the reasons this occur, so in addition they check the tools and tech used to do the research. Making maps that involve hotspots are making a difficult and influential tool for policing; they help make knowledge and knowing of various places in an area and what's the main cause of going on crime. So while we talk approximately crime hotspots, exceptional procedures depending on what type analysis needed, many procedures might be utilized. Many different ways and procedures to involve hotspots include STAC (spatial and temporal analysis of crime) and KNN. The crime hotspots help for indicating where the crime occur, mainly referring to the concentration of crime in small geographic areas. The criminology of a place wishes to don't forget in regard to how we know the crime problem and offers side strategies to predict, indicating, and to do so against crime.. On the other hand the area, like a wide geographic area, has been important from while the inception of criminology like a field, the searchers testing crime percentage at a micro-geographic level has only currently initiated to be formed. Such kind of methods is probably made by way of the correctly available of data, technology, and the understanding of crime as an initial step for environment.

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