

CRIME MAPPING FOR THE HYDERABAD CITY

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Abstract:

Crime is the breaking of rules or laws for which some governing authority can ultimately prescribe a conviction. GIS (Geographical Information System) uses geography and computer generated maps as tool for integrating and accessing massive amount of location based information. Maps can be used to display crime or concentration of crime in a given location or it can be used to visualize entire crime scenario. Crime mapping is the process of finding areas that have high effect on crime, depending on previous records of crime. By using these data in this paper I created Web GIS Application to demonstrate Crime Mapping. In this project GIS is used for mapping and Analytical Tool for Crime Policing. I used various tools in this project like ArcMap 10.1, ArcGIS for Server, Microsoft Silver light 4 and Google Earth. Data Used in this project is Crime data of Hyderabad for the year of 2010 & List of Police stations. Based on the tools and operations used, the results for the analysis of crime mapping in Hyderabad can be plotted as:

- Crime occurrences of various categories across the city have been mapped.
- Police Stations spread across the city have been buffered to show the concentration of crimes occurring in their vicinity.
- The Published service of Crime Mapping is used a Web GIS Application.