



GIS and Road Crash

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Geographic Information System-Based Integrated Road Crash Data System | Geographic Information System-based integrated road crash data system can be used for mitigating road safety problems. This manuscript centres on two areas. Firstly, the review of the database systems has been done, which forms the basic platform for managing all road crash attribute data. The data modelling concepts such as the types of data models, the use of the entity relationship diagrams and database models have been reviewed. The Database Management System (DBMS) is a powerful tool for creating and managing large amounts of data efficiently and allowing it to persist over long periods of time, safely. The second aspect deals with the Geographic Information Systems (GISs) which have proven to be powerful analysis tools in almost all fields today. This is for the simple reason that every activity has a geographic component and at one time or another one has to refer to a location on the earth's surface. The capabilities of GIS lie in its functionalities, which include data capture, data storage, data management, analysis and display. Most importantly, GIS can be integrated with other information systems. | Format:...



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