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A Mid-Sem Evaluation Report on

SOCIAL IMPACTS OF USING IOT AND DATA ANALYTICS ON ACCIDENT DATASETS TO PREDICT AND REDUCE THE IMPACT OF ACCIDENTS

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ABSTRACT

Hundreds of lives are lost each day due to accidents. Most of the times, the delay in medical help has led to the worsening of medical condition of the victim, leading to his death.

An intelligent analysis of previous accident data sets can give us valuable insights to utilize the existing resources and manpower to handle accidents in better way. Quicker response can be taken if Ambulances and traffic police are stationed/patrolling the areas which record higher number of accidents. Also, cabs services can increase the number of cabs in areas which witness a higher number of drunken driving accidents. Prospective sites for constructing new hospitals and schools can be identified based on how accident prone the region is.

Detecting the occurrence of accidents by deploying a kit comprising of various smart sensors and a System on Chip (SoC) in each vehicle. As soon as the accident is detected, alerts are sent to the nearest hospital and traffic police staff, who can dispatch help immediately.

Thus, our project aims to make cars as smarter devices and the cities a safer place to live in.

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