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| ***(Approved by AICTE, Affiliated to JNTU Hyderabad, Accrediated by NAAC 'A' grade)*** |
| **Bogaram (V), Keesara (M), Medchal Dist. – 501 301** |

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACCIDENT ANALYSIS USING MACHING LEARNING

(Batch No : B3)

The main objective of this project is to analyze the road side accidents by scrutinizing accident-prone or hotspot areas and their root causes.

Accidents through roadways have been a great threat to developed as well as underdeveloped countries. Road accidents and its safety have been a major concern for the world, and everyone is trying to handle this since years. Road traffic and reckless driving occur in every part of the world. Because of this, many pedestrians are affected too. With no fault, they become victims. Many road accidents occur because of numerous factors like atmospheric changes, sharp curves, and human faults. Injuries caused by road accidents are major but sometimes imperceptible, which later on affect health too. This study aims to analyze road accidents in one of the popular metropolitan cities, i.e., Bengaluru, through Linear Regression, Polynomial Regression, Decision Tree Regressor, Support Vector Regressor, Random Forest Regressor algorithms and machine learning by scrutinizing accident-prone or hotspot areas and their root causes.

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