**Advance Smart GPS & Electromagnetic Brake system**

**ABSTRACT**

Rising incidents of theft vehicles is an increasing concern in cities. The purpose of this project is to eliminate all possibility of theft by using ‘Advance Smart GPS System’. ‘Electromagnetic Brake Systems’ are the future of transportation safety using ‘Eddy Current Law’. Eddy current braking systems are a better alternative, to the currently used friction based braking systems for instance disk and drum brakes. Electromagnetic brakes have become a wide regarded, technological advancement, in regards to the reduction of friction and heat energy produced, when braking heavy loads of matter. By Combining ‘Advance Smart GPS’ & ‘Electromagnetic Brake System’ technology can get all the stats of these two system into mobile by creating a Mobile App. These System can be controlled from Mobile app, Smart GPS System is a system in which can integrate all vehicles into one app to track data and analyze from different place regardless of vehicles location. This Smart GPS System Project is copyrighted (©) by ‘Dread Eye Studio’. This project definitively answers the question regarding elimination of theft & future proof. Further studies are needed to establish crucial for safety & preventative measures.

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**ABBREVIATIONS**

DES - Dread Eye Studio

DES MC - Dread Eye Studio Microcontroller

GSM - Global System for Mobile Communication

APN - Access Point Name

GPS - Global System for Mobile Communication

AVL - Automatic Vehicle Location

GIS - Geographic Information System

RF - Radio Frequency

AGPS - Assisted Global Positioning System

RDID - Radio Frequency Identification

DC - Direct Current

AC - Alternating Current

HTTP - Hypertext Transfer Protocol

HTML - Hypertext Markup Language

IDE - Integrated Development Environment

CSS - Cascade Style Sheet

SQL - Structure Query Language

DBMS - Database Management System

JDBC - Java Database connectivity

2D - Two Dimensional

3D - Three Dimensional

XML - Extensible Markup Language

POST - Power On Self Test

EEPROM- Electrically Erasable Programmable Read only Memory

SRAM - Static Random Access Memory

API - Application Programming Interface

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