Anti-Criminal Biometric Technology Based System for Automobile System: An Automated Immobilizer and Access Control System for Millennium Vehicles

Adedeji W. Oyediran¹ — Yekini N. Nureni²

¹ Computer Engineering Department YABATECH Nigeria
² Mechanical Engineering Department YABATECH Nigeria

Abstract

We conducted an experimental Analysis of security platform in some millennium vehicles across Nigeria through the use of questionnaire, observation, and oral interview within the automobile dealers, vehicle owners and users within Lagos Nigeria. Our aim/objectives is to investigate, compare, and contrast the available anti-theft systems in the millennium cars around Nigeria, and to proposed and recommend the best security platform to prevent automobile theft. It was discovered that majority of vehicles available for sales at automobile showroom, and those currently been cruised on Nigeria roads lack required security system to deterred vehicle theft or stealing from vehicle. Prominent vehicle security systems available in Nigeria are manual and most rampart is use of locks, alarm, and kill switch which is not efficiency compare to criminal tendency related to automobile criminal activities. Hence we proposed a complete anti-Theft Deterrent Biometric Module (TDBM): An automated immobilizer and Access control system for automobile systems, which if implemented it will prevent completely theft of motor vehicles and content’s within.

Keywords: Automobile theft, Biometric, Millennium Cars, Nigeria, Immobilizer.