National University of Science and Technology

Faculty of Applied Sciences
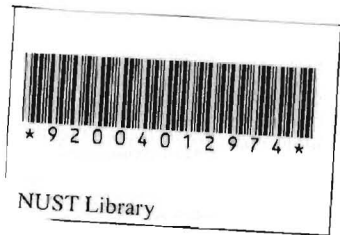## Department of Computer Science

Vehicle Inspection System

Documentation

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Abstract

Motor vehicles are subject to deterioration and wear of both the structure and equipment. Therefore, vehicles need to be checked periodically to ascertain their identity and compliance with safety standards. The inspection system is essential means to legally verify specifications (size, engine displacement, etc.) of motor vehicles, secure their safety, and pollutions attributable to them. Vehicle Roadworthiness Inspection System is a computerized information system that aims to provide effective management and control of technical suitability of vehicles. The system can be adopted by The Ministry of Transport; the test is an annual test of car safety and roadworthiness aspects applicable to most vehicles over a certain age if they are used on public roads. This document outlines the research carried out on V.I.D (Vehicle Inspection Depot) a parastatal operating under the Ministry of Transport in Zimbabwe. This was used as a case study to gather information that helped the developers to understand the requirements for a system to operate in such environments. Vehicle Inspection system have been developed for Government in the department of transport such as Vehicle Inspection Department (V.I.D) in every country. To develop an integrated system, further development needs to be carried out covering a wider spectrum of aspects in the transport sector domain.