AUTOMOBILE FINANCE MANAGEMENT

SYNOPSIS
(MINOR PROJECT)

BACHELOR OF TECHNOLOGY
(Information Technology)

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0.1 OBJECTIVES

- To handle the manual handling and even the workload of the employees of the company by introducing a change in the existing many software system to a single software implementation.

- To save time and cost of the employees and company by providing information very efficiently and easily.

- To have a proper record of the vehicles coming to toll plaza and having a list and record of that vehicles.

- To provide a system with proper recovery of data, in case lost, through a proper backup provided.

- To provide the head with the basic utilities like file choosers, web browser, account settings and backup within the system for the proficient work management of the company.

0.2 PROJECT FORMULATION

Prior to stating whether the system we have to develop is feasible or not we believe that we should emphasize on what is implied by the word feasibility. Feasibility is a measure of how beneficial or practical the development of the system will be to the organization. It is a preliminary survey for the system investigation. It aims to provide information to facilitate a later in-depth investigation.

0.2.1 TYPES OF FEASIBILITY STUDY

0.2.1.1 ECONOMIC FEASIBILITY:

The developed system is cost effective in terms of the benefits that would accrue from having the new system in place. This feasibility study gives the top management the economic justification for the new system. The benefits that the system provides are totally cost effective. As it is developed using Java an SQL which are open sources and are freely available. A Netbeans IDE toolkit was required for the successful completion of the project. There could be various types of intangible benefits on account of automation. These could include increased customer satisfaction, improvement in product quality, better decision making, timeliness of information, expediting activities, improved accuracy of operations, better documentation and record keeping, faster retrieval of information, better employee morale.

0.2.1.2 OPERATIONAL FEASIBILITY:

Proposed project is beneficial as it can be turned into information systems that will meet the organizations operating requirements that comprises of Linux, Ubuntu and Windows as Java is Platform independent. So, the system is intended to work efficiently when it is developed and installed. Help has been provided in each and every way possible by the employees and the owner of the company.

- User Friendly:Customer will use the forms for their various transactions. i.e. for adding new routes, viewing the routes details. Also the customer wants the reports to view the various transactions based on the constraints. These forms and reports are generated as user friendly to the client.

- Reliability: The package wills pick-up current transactions online regarding the old transactions user will enter them into the system.

- Security: Web server and database server should be protected from hacking, virus, etc.

- Portability: The application will be developed using standard open source software (except Oracle) like java, tomcat web server, internet explorer browser etc. these software will work both on Windows and Linux operating system. Hence portability problems will not arise.

0.2.1.3 TECHNICAL FEASIBILITY:

The technical issue usually raised during the feasibility stage of the investigation includes the following

- Does the necessary technology exist to do what is suggested?

- Do the proposed requirements have the technical capacity to hold the data required to the new system?

- Can the system be upgraded if developed

- Are there technical guarantees of accuracy, reliability, case of access and data security?

0.3 HARDWARE AND SOFTWARE SPECIFICATION

Table 1: Hardware Requirements

CPU	Pentium IV
RAM	600MB
Hard Disk	1GB
Other Peripheral Devices	Printer

Table 2: Software Requirements

OS	UBUNTU 14.04
IDE	NetBeans IDE 7.3.1
front End	JAVA
Back End	MySQL Server 5.0

0.4 METHODOLOGY

0.4.1 FUNCTIONAL REQUIREMENT

The functional requirements part discusses the functionalities required from the system. The system is considered to perform a set of high-level functions fi. The functional view of the system is shown. Each function fi of the system can be considered as a transformation of a set of input data (ii) to the corresponding set of output data (oi). The user can get some meaningful piece of work done using a high-level function.
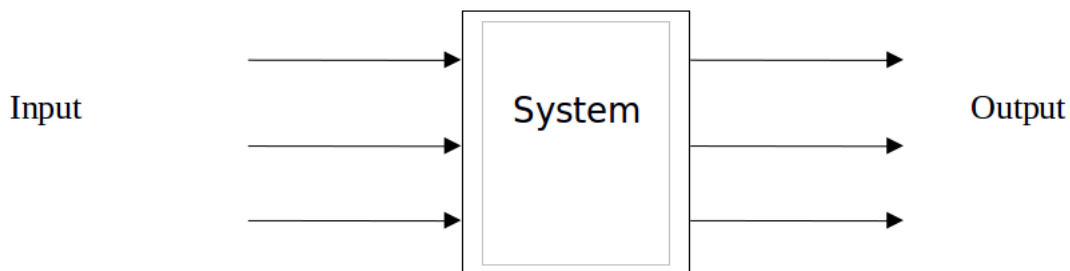

Figure 1: Functional Requirement

0.5   PAGES

- Enter Login Details: LoginAs, Uder ID and Password

- Master
  Definition of Master : All the information your company needs is stored in a data record in the master data, sorted by various different criteria. You can enter and change most of the data in master data by head . In master we have all Employee details which includes their name, employee id ,address, phone number,email etc. and Vehicle details which includes product id, vehicle type , vehicle name ,model,price .
  Master Data Module contains various sections:

  - Employee Details
  - Vehicle Detail

- Transaction
  Definition of Transaction: It includes enquiry,request, verification, approval and deposit information of the vehicle .

  - Enquiry: In this section, customer enquiry details are there. We can select the vehicle type which enables to select vehicle name and it automatically displays vehicle model.
  - Request: It consist of request form which contains the payment record including instalments.
  - Verification: It includes verification of the customer details.
  - Approval: After the verification is successfully over, then request is approved.
  - Deposit: It consist of deposit details like the mode of payment, taxes, due date etc.

- Listing
  Definition of List of Data: This section provides the list of data. The List of data includes all the data of a particular section.

  - Enquiry
  - Enquiry Details
  - Request
  - Request Details
  - Verification
  - Approval
  - Deposit
  - Employee Details
  - Vehicle Details

- Settings
  Settings: This section provide us account settings, File Chooser, Web Browser and Backup. Account settings and backup only access by head.
  Settings Module contains various sections:

– Account Settings: In Account Settings, System Head can Create a new user account and can change the password of existing accounts in the system. Change Password can be used if in any case user forget password of his account.

– File Chooser: Afile chooser is acomputer programthat provides auser interfaceto work withfile systems. User can access any type of document (like pdf,mp3,jpg).

– Web Browser: Afile chooser is acomputer programthat provides auser interfaceto work withfile systems. User can access any type of document (like pdf,mp3,jpg).

0.6 CONCLUSION

The proposed system that is Automobile Finance Management System AFMS is developed using Java and SQL that fully meets the objectives of the system for which it has been developed. The system has reached a steady state where all the bugs have been eliminated. The system is operated at a high level of efficiency and all the employees associated with the system understand its advantage. The system solves the problem it was intended to solve as requirement specification.

0.7 FUTURE SCOPE

The system would accomplish the following:

- Reduce the paperwork and storage area.

- Multiuser system.

- Improve accuracy in generate toll slip.

- Up to date listings for employees.

- Allow easy navigation by creating listing feature.

- Manage the man and machine resources efficiently.

- It has user friendly interface having quick authenticated access to information.

- Multiple utilities for head.

- Locate information easily by using search options.

- The system provides security through password authentication. The head and the employees are allocated with their user ids and passwords that help maintain the integrity of the system.

The scope is intended to be fulfilled because of the systems following features:

- Secure:
  The project is provided with a proper back up maintained for the security of the information.

- Easy to Use:
  The employees are provided with his user id and password to have a proper and secured access to the software and it is easy to use.

- Reliable and accurate:
  An accurate and to the date information is being stored which can be viewed as and when required.