EVALUATION

6.1 System Evaluation

The new system meets all the requirements of Toyota Southern Motors. The company had asked for an Automobile Inventory System and is satisfied with the program.

The system has been successfully computerized and implemented. The use of phased changeover method ensured that the company could easily work and carry on processing orders without hassle until the system had been fully implemented. The system is running smoothly.

The employees were asked for their feedback regarding their experience with the new program. Highly positive feedback was received with one of the employees even stating that "The program ensured that I could not make any mistakes while I input customer and order details. I am very happy." There were no complaints regarding the functionality of the system and employees have found it a favorable change to the previous manual system. The program was adopted with ease by the staff.

Objective Number 1

General Term: To design a computerized system, that is visually appealing and user friendly for the user. It must also be able to manage all the records without confusing the user.

Computer Term: To design a system using Microsoft Access for creating a data base and using Microsoft Visual Basic to create forms and graphical interface to enhance the system (by creating MDI and SDI forms.)

Evaluation: This objective was met by the new software successfully as it contained all the tables required which contained the information, and all relevant forms were also present.

Objective Number 2

General Term: The program must link several files that provide collective information of a single relevant idea in an organized manner.

Computer Term: Linking database tables to each other and to forms to upgrade any record in any table easily without repeating the process several times.

Evaluation: This objective was also met successfully as the new system connects information by having multiple forms which make use of foreign and primary keys. This allows relevant information to be linked easily.

Objective Number 3

General Term: The designed program must be fast, based upon modern techniques along with data validations and checks, in order to eliminate errors.

.

Computer Term: Using validation checks to protect the records against any typing mistake.

Evaluation: Problem of validation was tackled aptly. For example in fields such as "Year" where only numeric data could be input, the validation worked and did not allow any alphabets to keyed in. Thus an important objective was achieved which prevents typing errors.

Objective Number 4

General Term: Proper data reports must be printed along with information about the buyer, what parts he buys and how much stock was used. System should also allow the ability to reorder stock as needed and view a monthly report of how much stock was given and the financial transactions that will follow. This will give a new revolutionized look to the working of company with style and ease. This must also include surcharge upon late payment of fees.

Computer Term: Creating Data Report Forms to allow printing of monthly reports regarding stock used, stock reordered and how much stock has to be re-ordered.

Evaluation: Every company requires reports to be formed so that they can have a hard copy of documents. This objective was fulfilled successfully by creating data reports which allow options such as viewing orders by date and also viewing Vehicle and its parts records.

Objective Number 5

General Term: Security is also given priority keeping in view the threats faced by the present system.

Computer Term: Designing Login Forms to secure data. Upon providing the correct Username and Password, the user will be granted access to the information and records.

Evaluation: After introducing this new software to the company, the main objective of keeping data secure was achieved.

Objective Number 6

General Term: Searching of records without having to go through manual records and wasting a lot of time.

Computer Term: Easy searching of files to find particular records.

Evaluation: Due to the sheer size of the company, this was a very important objective and was successfully achieved by adding a "Search" button on each form along with a query to find multiple records fulfilling the search criteria.

The company is satisfied as their profits have increased manifold due to the efficiency that the new system provides.

6.2 Suggestions for future developments

1. Enhancement of the database: Keeping in the view the size of the company, in the future, the database may be converted to a larger database management system to speed up the manipulation and organization of data. This can be done by the use of Oracle or SQL Server as a DBMS.

2. As the company deals with Vehicles and their respective parts, a future addition could be making use of a system which would allow data to be input automatically. Such a feature would enable data to be entered automatically into the relevant forms. This is a future concept but can be done by coding barcodes with information. Each item would have a barcode and once it would be scanned, all the relevant details would automatically be entered into the form. This would reduce the work greatly and increase efficiency.

3. Another advantageous addition could be the use of clock cards for the employees. This would maintain a log of the time employees arrive at the office and the time they leave. This would be helpful in calculating over time salaries for the employees and will make daily registration simple.

4. Another useful addition would be a customer section on the existing website. The customers would be provided with Username and Passwords to view their orders and their statuses as well as invoices.

5. The system has the ability to allow the user to manually backup the database by clicking on "Backup Database" from the Main Menu. However, in the future, an automatic backup system could be introduced along with a Scheduled Database Backup program. This would allow automatic backing up of data to ensure that no data is lost.