



FINAL YEAR PROJECT REPORT
DIPLOMA IN MECHANICAL ENGINEERING
(AUTOMOTIVE)
FACULTY OF MECHANICAL ENGINEERING
MARA UNIVERSITY OF TECHNOLOGY
SHAH ALAM

CREATING TECHNICAL INSPECTION SYSTEM FOR
AN AUTOMOBILE

PREPARED BY:

MOHD FAIZUL IQMAL MOHD KAMIL (97050088)
MOHD I. FIRUZ B. BAHARIN (97243593)
ABD. SHUKUR B. MOHD SCAUDI (97187545)

Acknowledgement.

Firstly we would like to express our gratitude to Allah the Merciful for the blessing to complete our Final Project. The Almighty has given our through the completion of this program.

We would like to take this opportunity to thank our project supervisor Ir. Mr. Khalid Hassan , with his guidance , encouragement and advice helped to bring the best out of ours. We would also like to thank the Project Coordinator En. .Yaakub Md. Taib for providing timely feedback and solution on our project related problems.

Secondly, we would like to thank Mr. Juri Saedon and Dr. Asrar Ahmad , our former project supervisors who has guided us before with strong advised and encouragement to this project. We would also like to express our gratitude to Mr. Rashid and Mr. Cheak , service supervisor at BMW Service Centre Sg. Besi, whom without their helps we couldn't complete our final project.

Thirdly, we also like to thanks Dr. Rahim Atan, our Course Tutor for giving us moral support and trust in completing this support.

Lastly, we would to thanks our friends and our family for giving us moral support, love and care and only with their motivation and strong words that push us to excellence.

ABSTRACT

In automotive sector, keeping the information about each of their model of car 's parts, design and technical services is necessary. All of this information can be kept in computer or in the manual books. The keeping of these information systems will make the technicians or the mechanics easy to do their job.

Some workshop does not have these kinds of facilities. They only have the information kept in the manual books. When there is a problem in servicing a car, they have to refer to the manual books and the technical services manual books. In this situation, it will take a long time to search on the specific service part in the book. Even worse, sometimes some the pages can be lost or not lasting for long.

We have discovered that, one of the biggest Car Company, Bavarian Motor Work or as known as B.M.W have advance system in keeping their information in the computer especially the Technical Inspection System. We were went to the Auto Bavaria in Sg. Besi to do research in this T.I.S.

CONTENTS

ACKNOWLEDGEMENT

PREFACE i

ABSTRACT ii

1. INTRODUCTION 1

1.1 History

1.2 Software

1.3 Basic Web Concept

2. HOW TECHNICAL INSPECTION WORKS 5

1.4 Other Application to Design a Page

1.5 Selecting a suitable Software

3. IMPLEMENTATION OF THE PROJECT 8

3.1 STAGE 1: COLLECTING INFORMATION 11

3.1.1 Manual Books

3.1.2 ModiC

3.1.3 Computer

3.1.4 Mechanic and Technician

3.2 REARRANGE INFORMATION	16
<u>3.3 STAGE 2 : PROGRAMMING A PAGE AND INSERTING INFORMATION</u>	18
3.3.1 Inserting Picture	25
3.3.2 Linking the Pages	29
<u>4. TESTING AND RESULT</u>	34
<u>5. DISCUSSION AND CONCLUSION</u>	38
<u>REFERENCES</u>	40
APPENDICES	