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FACULTY OF MECHANICAL ENGINEERING
DIPLOMA IN MECHANICAL ENGINEERING
(AUTOMOTIVE)

FINAL YEAR PROJECT REPORT
ON
FABRICATION OF AUTOMOTIVE CLUTCH
DEMONSTRATION MODELS

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"May ALLAH bless You All"

PREFACE

To begin this fabrication of automobile clutch demonstration models project, there are several important things that must be considered. Doing the technical work is the most important aspect of this work. Our main objectives of this work is to fabricate the following three types of models: viz., the manual clutch, torque converter, and semi automatic clutch (motorcycle clutch).

Besides that, we have to learn about the installation and inspection of all these fluid, dry, and wet clutches.

On this fabrication project, we start with disassembling and overhauling all the models with the right method carefully. Servicing the parts will give us knowledge about the parts, their functions, and their designs.

Cutting the model's housing or casing is one of the difficult part of this work. We have to cut it and modify it for the purpose of studying the working principle. All these are for learning process for ourselves and for the other students.

Reassembling back all the models is very hard work. We have to do very carefully and neatly. This is to prevent careless in putting back all the parts. Then the models can be put on the frame.

The advantages of this project are: we can learn not only its operation, but the servicing, overhauling and inspection of these three models. This can further our understanding about the differences of clutches in automobile sector.