

FINAL YEAR PROJECT REPORT

DIPLOMA IN MECHANICAL ENGINEERING

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MARA INSTITUTE OF TECHNOLOGY

SHAH ALAM

SELANGOR

DESIGN AND FABRICATION OF A CORN EXTRACTOR

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1. 0 INTRODUCTION

1.1 Historical Background

During the stone ages, man survives by hunting. He roams in the wilderness in some hopes to find some wild edible foods to eat. His movements depend solely on the availibility of foods around him. He never settle down at one place. In another words, he is nomadic.

As the population grows, he realises that he has to fight for foods in order to survive and his lifestyle starts to develop. He realises that it is necessary to settle down at one place and grow his own crops. He finds that this type of lifestyle is very efficent and productive. His food is plenty and he finds that he needs to store some and share some with his needy mates.

He develops simple ways of harvesting and storing his grains and all the methods he uses are simple hand-plucking in harvesting and simple hand-or-leg threshing for extracting grains for storage.

With the fast rate of population growth, mass production of grain is a necessity in order to meet the demand. To meet this demand, bigger farms are necessary and agricultural equipments