

EM110 DIPLOMA OF MECHANICAL ENGINEERING  
FAKULTI KEJURUTERAAN MEKANIKAL  
UiTM CAWANGAN JOHOR, KAMPUS PASIR GUDANG

## MEC332 MECHANICAL ENGINEERING DESIGN

**PROJECT:**

PLOWFER MACHINE

**SUPERVISOR'S NAME:**

MUHAMAD FARIS SYAFIQ BIN KHALID

**LECTURER'S NAME:**

MOHD NOOR HALMY BIN AB LATIF

**GROUP:**

J4EM1105F

NO.	NAME	STUDENT ID
1	NUR NAJIHAH IMAN BINTI MOHD SANUSI	2017249364
2	EIZMIR HANS BIN ROAHIZAN	2017221164
3	IMAN SUFFIAN BIN WAKHI ANUAR	2017249458
4	MUHAMMAD FARIS BIN AZMIR	2017221058

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## **ABSTRACT**

The Plowfer machine is an innovative portable machine that aims in overcoming problems that had been faced by farmers and gardeners especially the beginners. This Plowfer machine improvise the existing ploughing machine by combining two works into one which are ploughing and seeding. This could help users to save cost and time. As we can see, there is no such product has been seen in the market yet. The Plowfer machine uses the mechanism of gear to rotate the seeding part that is attached to the front tyre. As the tyre moves forward, it will also move the disc for seeding. Next, the ploughing part where we decided to place V-shaped metal plate at the bottom front and at the bottom back too to cover up back the ground. The Plowfer machine will make a huge impact as it will massively reduce time to plough farms or gardens, save energy, save cost and ease user to do their jobs. Since this product aims to simplify and ease users in completing their work at a time, it will be an eye-catcher amongst supermarkets, shipping company and many more. The chance of marketability is relatively high.

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