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TECHNOLOGY ENTREPRENEURSHIP

LECTURER'S NAME : PN. ZANARIAH ZAINAL ABIDIN

GROUP : AS246 5Q

GROUP MEMBERS :

NAME	STUDENT ID
NUR ATIKAH BT NORDIN	2015829212
NOOR AMIRA BT ABD JALIL	2015856712
FARAH FARENA BT USARI	2015832168
NORLIYANA SYAZWANI BT IDRIS	2015208238
NURUL ZATIL ATHIRAH BT KARIM	2015884614



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COMPANY LOGO





CHAPTER 1.0

PRODUCT DESCRIPTION

1.1 Introduction

The team is to invent a new type of wheelbarrow known as the 'Next Barrow'. The product is a rechargeable wheelbarrow that can be operated using function buttons to simplify the job of the users.

1.2 Background study

- Conventional wheelbarrows are not particularly stable when carrying heavy loads and can tip to either side very easily
- Loading and unloading can be difficult when the load is too heavy with materials such as sand, bricks and such. Hence, the user may not be able to dump the load exactly where he wants it.
- A conventional wheelbarrow also requires more than one person to perform the loading and unloading materials.

1.3 Functions

- **Tray with loading door**

For easy removal of load from tray without require more energy to lift up the hand handle. Loading door can be controlled with buttons on controller.

- **Folding hinges**

During removal of load, the folding hinges will move up and lift up the tray into suitable height to give more space for loading.

- **Flexible bucket**

To collect the materials required and transferred it to the tray safely. This can be used in specific sectors. For instances, in agriculture sector, the fruits will not damage during collecting process.