DESIGN AND BUILD OF AUTOMATED STORAGE AND RETRIEVAL SYSTEM (AS/RS)

Prepared by: Seng Cheok Keen

ABSTRACT

This project is about the making of machine that can load and unload an item from the compartment. The machine basically is controlled by a computer. A software called GUI window is created for the user to choose which compartment is selected to load and unload the item. For ease of demonstration, 4 compartments fall into the square shape is build. The machine can move horizontal and vertical or in the x-y plane.

The mechanism of loading and unloading the item into the compartments will be shown and discuss detail later in this report.

Keywords: Loading, unloading, moving machine, x-y plane, GUI, Computer

BENG (HONS) IN MECHANICAL ENGINEERING