



# **DESIGN OF PORTABLE DRAWING BOARD**

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## **ABSTRACT**

This project has been design to fit to all sort of people. It does not matter either he is student, adults, or even corporate workers. However, our project main attraction is for secondary school student and the undergraduate students.

“Portable drawing board” is the title of our project. From the title, we can bare in our mind that it is a board that easy to bring anywhere. Yes, that the main point, but to be more specific our design is a board the that is portable, multi function and not likely to be a burden drawing board like the resent drawing board which been used in schools nowadays. With the invention of this project, it can bring the student in more convenient and relaxing posture during doing their working in drawings. In another word this drawing board is a more ergonomics and affordable.

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## CHAPTER I

### INTRODUCTION

#### 1.1 OBJECTIVE

These projects are made to fulfill the conditions of achieving a diploma in mechanical engineering. In order to achieve that, we had design and invent a portable drawing board as our project.

Our project main idea comes from the problem that we view from the student who takes technical drawing in our campus. The problem is that the student having difficulties in making drawing is because of the limited space provides. In spite of that, the student body postures while drawing are also no very convenient. The inconvenient comes while the student do their drawing which they have to bend their back in order to draw. For some student they prefer to stand rather than sitting to avoid pain.

Therefore, we design this project which suite the body posture of the user while drawing. In spite of that, we design the board with extras accessory in order to suite the ease the student while drawing.

Our project consists of:

##### 1. Drawer

- Place where the student can put their drawing equipments such as set square, pencils, eraser, tape, etc.

##### 2. Legs

- To stand the board and ensure the user draw at a comfortable posture.