

DESIGN AND CONSTRUCTION OF A PROGRAMMABLE WALL PAINTING MACHINE

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ABSTRACT

This paper describes the processes involved in the design and construction of the programmable wall painting machine. It gives detailed descriptions of the problems encountered, steps to overcome them and research done before and during the fabrication. In the following pages, the design and construction process is explained and shown in the following order:-

1. Introduction
2. Scope of the project
3. Construction (Mechanical part)
 - a. The storage unit
 - b. The spray unit
4. Construction (Electronic part)
5. Report on the oral presentation
6. Problems encountered and solutions
7. Project plan
8. Conclusion

The introduction will cover the idea and concept of the project, while the scope will summarize the objectives and materials selected. As for the construction, it will describe in detail the fabrication process and some of the methods used. A short report on the oral presentation is added for the questions raised by the examiners. Problems and solutions faced during fabrication will be covered as well inside this report. Proceeding on will be the project plan that shows the estimated schedule and actual time the prototype was completed. Finally, the conclusion will summarize the whole prototype and outcome expected.