

# MULTIPURPOSE COMPACT SUCTION MACHINE

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## ABSTRACT

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In this report, there will be contents on information about the research, analysis and design of the prototype. The report begins with an introduction, which briefly describes the prototype. Then, the report state and describe on the components and materials used, and proceed in the net section with a detailed description construction processes of the prototype. In the construction section, various techniques used are explained and described in detail. The next section will clearly describe the engineering methods, analysis and design outcomes that are accomplished. And before conclusion, there will be a section on related calculation, reference and bibliography and appendices.