Abstract

The following project is to create an economical metal detector which can be used either for civilian purposes such as treasure hunting or for military purposes such as finding bombs and weapons. The metal detector will be made of five coils and they will act as the sensors. The controller in this instance will be an Arduino Board. The output will be LEDs indicating that a metal has been detected. The system is developed with components that are easy to find and they are less expensive.

This document is a report on the metal detector that has been created. It contains seven chapters outlining the aims, literature survey, design, implementation, testing, conclusion and further developments. The code that has been used to create the system along with the circuit diagrams are given. All the required work has been done and shown in the report. A testing with conclusive proof has been done and everything is documented.