

EM RADIATION DETECTOR SYSTEM

Prepared by: Vincent Chan Yong Sheng

ABSTRACT

In the world today, no one can avoid the radiation emitted by electronics surrounding us. Therefore, it is important that one tries to minimize the contact with radiation from such electronics.

In order to do so, this project is to build an electromagnetic radiation detector. From this detector, the user will be able to know if there are radiation around, normally and logically the radiation is present most of the time, however if that certain area has a concentrated amount of radiation, then one can avoid it by moving to another safer area. To notify the user that the surrounding has a huge amount of radiation, there are two ways to notify them, one by sound and another by LCD Display. When the radiation level is higher, the sound will be produced by a buzzer, and the rate of buzzing will increase as the level of radiation. As for the LCD display, proper message will be conveyed to the user in simple terms. Hence there would not be any misunderstanding.

This report contains the background of the project, the overview of the project, diagrams, and tables of comparison, flowchart, programming code, literature review and explanation for the methodology of both hardware and also programming coding. With all that, then the report is ended with conclusion and discussion of the project output.