

SCHOOL OF ENGINEERING
EN312 ENGINEERING PROJECT
PROJECT FINAL REPORT
RUNNING / CYCLING MONITOR

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ABSTRACT

This project would be the designing and prototyping of a portable device small enough to wear without causing burden and would enable the user to access real time information on distance and temperature. This device will also save the information in a memory module and will enable its user to upload this data to a PC via wireless link for workout analysis and logging of physical development.

The project final report provides an overview and detail discussions on a system design concepts, basic theory, hardware and software development, project research, as well as discussions on experiment work and result in development of the running/ cycling monitor system.

This report presents the simulation of the running/ cycling monitor system and analysis of the system. Simulations are performed by using different dimensions of the system. Simulations are performed to show the infrared and distance inside the systems under consideration.

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