

Implementation of Arduino software for Flood Monitoring and Alerting System (IA)

Clifford Jay E. Dela Peña, MAX ANGELO DAPITILLA PERIN

Department of Electrical Engineering and Computer Engineering, College of Engineering, Architecture and Industrial Design
Bohol Island State University-Main Campus
Tagbilaran City, Bohol

cliffordjay.delapena@bisu.edu.ph, maxangelo.perin@bisu.edu.ph

Imaginative Abstract. In today's modern world, microcontroller is widely used in washing machine, air conditioner, microwave oven, vacuum cleaner, refrigerator and other household appliances. That is why a microcontroller is referred to as the heart of an embedded system. The implementation of the open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board. The IDE software operate on any operating system and does not need an external programmer creating an accessible way for software developers to enter the world of microcontroller programming.

Keywords: Arduino software, IDE, Microcontroller, Programming

