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**ITE 6**

*Application Development and Emerging Technologies*

Jeffrey C. Niedo

**Title: *First Aid and Emergency Mobile Application***

**Description:**

A Xamarin.Forms-based first aid and emergency mobile application using voice recognition for implementing the zero-interface design principle and Google’s Firebase Realtime cloud-hosted NoSQL database for real time-to-offline data synchronization capabilities written in C# .Net framework programming language.

**Title: *Edible and Medicinal Plant Guide Mobile Application***

**Description:**

A Xamarin.Forms-based edible and medicinal plant guide mobile application using Google’s Firebase Realtime cloud-hosted NoSQL database for real time-to-offline data synchronization capabilities written in C# .Net framework programming language.

**Title: *IoT Based Smart Water Irrigation System***

**Description:**

An Arduino-C# .Net Internet-of-Things based system that performs automated water irrigation that can analyze the moisture of soil and climate condition. Users will be able to check the moisture level, and with the predefined threshold for a moisture level of soil, the power supply will be cut-off.

**Members:**

**Argumido, Roy Joseph B.**

**Bohol, Rica S.**

**Depanzo, Jemaima D.**