**September 17, 2020**

**Robert D. Cumahig BSIT-3C Section code:T210**

**Mary Rose M. dela Torre BSIT-3C Section code:T210**

**Pearly Grace S. Villanueva BSIT-3C Section code:T192**

**Lovenil Rose L. Vercede BSIT-3C Section code:T210**

**Capstone Research Title Proposal**

**BukSU Faculty Deliverables Monitoring System (with SMS Notification)**

The faculty instructors has many deliverables to pass such as class records, grades and other school related deliverables. The teachers has many required materials to pass that sometimes it’s hard for them to keep track on all of them, our solution to this problem is to create an application where the faculty could keep track of their deliverables and will notify them through SMS.

The BukSU Faculty Deliverables Monitoring System (BFDMS) is an application where the instructors can check what requirements they need to pass and monitor their progress, this application will also notify the user when a deliverable is uploaded or posted and send them another SMS notification a day before the deadline. The main goal of this application is to aid the instructors in handling their heavy load of works.

**Smoke and Fire Alarm Detection System via SMS Notification**

Smoke alarms provides early warning of fire incidents, the problem is there are high rate that hardwired smoke alarms are field to operate during times in need, alarms used to warn and alert when the smoke level is high from the specific floor and there are times that it is too late for the hardwired smoke alarm to function.

There are high level of fire incident this day, fire alarm are so useful even in modern era, smoke and fire alarm using smart phones are way much convenient as the system detects the fire and it will automatically send an alert message to the BFP or any other person that is in the list of contacts that can help to assist fire incidents and rescues people.

The main goal of this system is to provide an early fire prevention alarm and prevent high fire death rates.

**BukSU Canteen Automated Ordering Systems via Android and QR Scan**

BukSU Canteen Automated Ordering System via Android Phone and QR code scanner allows the user to get automated ordering food easily. Users can select Item from BukSu canteen and can pay for it using QR code scanner. It can help saving time for the customer since they don't have to wait to get food. User can order food from anytime and anywhere around the BukSU Campus. Order can be placed using personal android phones. Design as easy way so that the maintenance is also easy.