

**CONSTRUCTION AND IMPLEMENTATION
OF A PANIC BUTTON ALARM SYSTEM**

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**A PROJECT REPORT SUBMITTED TO THE DEPARTMENT
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SUPERVISOR: DR CHARLES NDUJIUBA. APRIL, 2018

CERTIFICATION

I hereby declare that I carried out the work reported in this thesis in the Department of Electrical & Information Engineering, Covenant University, under the supervision of Dr Charles Ndujiuba. I also solemnly declare that to the best of my knowledge, no part of this report has been submitted here or elsewhere in a previous application for award of a degree. All sources of knowledge used have been duly acknowledged.

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ABSTRACT

All over the world, and especially in developing countries like Nigeria, Emergency Care and Safety institutions such as: Police, Fire Department and Red Cross need stable and reliable equipment to optimize their response time in the event of any emergencies. The alarm system proposed in this project is a panic button system that performs real-time monitoring for emergency events. The Security system uses the Arduino Mega to send remotely, to Security Services, an alert when the panic button is pressed through a Wi-Fi module. The advantage of this alarm system is its low cost, allowing its access to poor people, and its stability for emergency events.