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FINAL YEAR PROJECT REPORT

EMERGENCY CLINIC MULTI-SENSOR MONITORING USING E-HEALTH PLATFORM

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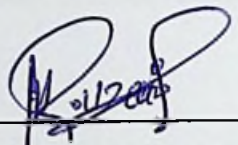
2019

DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

Signature : 

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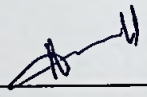
Signature : 

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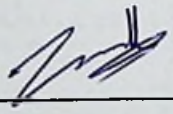
Signature : 

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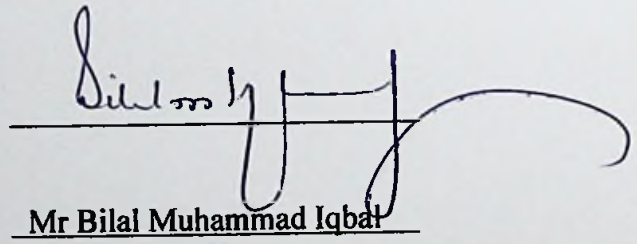
Signature : 

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EMERGENCY CLINIC MULTI-SENSOR MONITORING USING E-HEALTH PLATFORM

ABSTRACT

Technology advancement and low-cost device development may address the challenges faced in most emergency clinics in developing countries. Surveillance and detection of disease very much dependant on the medical practitioners whom has been constrained by the number of patients and limited automation in patient monitoring. In this study a low-cost Raspberry pi 3 supported ECG AD8380 to check Heartbeat of person also Body Temperature, Heart Rate sensors incorporated multisensory kit integrated with the Mobile Application platform for continuous recording supported by graphical display and timely average by customize setting has been designed. The recorded Heart rate is clinically reliable reading compared to temperature sensor, which is influenced by room temperature, which need some modification to the sensor design. The proposed emergency clinic, multi-sensor prototype is expected to address the continuous monitoring limitations and provide average reading at clinically required setting based on the criticality of patient condition and disease monitoring guideline.

The Use of E - health technologies in the health care industry has provided a variety of advance. International E-health technologies have helped improve healthcare facilities around the globe in both developed and developing countries where E healthcare system have been introduced.

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