FINAL YEAR PROJECT REPORT

CENTRALIZED AND ONLINE ANTIBIOTICS FOR COVID-19 MANAGEMENT SYSTEM

In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)

By

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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.

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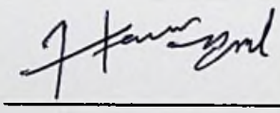
Signature : 

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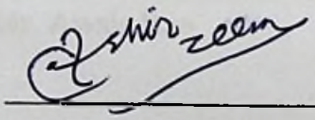
Signature : 

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ACKNOWLEDGEMENTS

"START WITH NAME OF ALLAH WHO IS MOST BENEFICENT AND MERCIFUL "

First of all, we are thankful to Almighty ALLAH (The most Gracious & the most Powerful). We thank ALLAH for using this work to reveal our weakness to us & build us up, all glory to God for He makes the impossible possible.

We would like to thank everyone who had contributed to the successful completion of this project. We would like to express my gratitude to our project supervisor, Mr. Awais Rao for his invaluable advice, guidance and his enormous patience throughout the development of the project.

In addition, we would also like to express my gratitude to our loving parent, teachers and friends who had helped and given us encouragement.

CENTRALIZED AND ONLINE ANTIBIOTICS FOR COVID-19 MANAGEMENT SYSTEM

ABSTRACT

The objective of this project is to develop a database driven antibiotics management system that works on a real time collected data or information. This system is designed to customize the network for the community of patients who are in Covid-19 condition and also for those who were treated from Covid-19 in the past. In this system, we make use of real time data and enables the system to make real time decisions. The system architecture is capable to handle the processing arguments between the real live stock and predicted stock. This system is used to overcome the number of problems such as, taking antibiotics too often or for the wrong reasons can change bacteria so much that antibiotics don't work against them. This is called bacterial resistance or antibiotic resistance. Moreover, we make use of these application to avoid antibiotics scams. Antibiotics saves the lives so it is very important in case of emergency natural calamity or any other large scale life destruction event occur. We are at the point where AI is essential for virtual warehouses and, this system will also visualize the number of registered and recovered cases, that represents the amount of traffic on our Web/Android applications, that feature would help the health governing bodies to take actions according to situation because all registered cases have been verified by physical expert system of our application. Design pattern plays a key role in working managing and the modification of the application on later stages when changes needed, because future accommodations depends on future scenarios and atmosphere that cannot predicted before but, recommendations for future development and conclusions are also included in the report. We mentioned some of recommendations or advanced features for the future by analyzing some similar cases of past. Our system is a hybrid of the two platforms. Furthermore, we would send enrolled patients a regular activity chart through email to help them manage their quarantine time.

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