



**FACULTY OF APPLIED SCIENCE AND TECHNOLOGY
COMPUTER SCIENCE DEPARTMENT**

PROJECT TOPIC SUBMISSION

TOPIC

DESIGN AND IMPLEMENTATION OF CLOUD-BASED CORONA VIRUS TESTING MANAGEMENT SYSTEM.

OUR OBJECTIVES

Covid19 Testing Management System is web application which brings up various Covi19 testing processes online. This system will allow users to register on the website and provide personal, tests information. Once registered with their address and contact details, the patients may now see a variety of tests conducted by the lab. The patient will select the required tests and request for a tests, which the lab center will then assign a phlebotomist (Lab assistant) at registered address to collect their sample.

After successful sample collection, patient can track their test history using their name, order or registered mobile number. This system will allow admin to attach a copy of the report of the patient into the system, which automatically shows at the user side which the user can download.

Our Covid19 Testing Management system objectives include:

- To help testing labs in Ghana keep all records of users during every daily test.
- To also manage all activities during Covid19 testing, which will increase productivity in the various labs.
- To minimize risk of losing data because all details are recorded in the database.
- To provide a platform were, Patients can book tests online and have the test done at their various homes to reduce spread.
- To develop a system that will automatically generate reports for users without them coming to the labs.
- To enable users see live regional update of Covid19 report results in Ghana.
- To provide a platform that would enable users get preventive and symptoms tips.
- To create a system that would educate users on covid19 and its effects on Ghanaian economy.

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