ABIMBOLA OLUWAFEMI GIDEON MATRIC NUMBER :18/ENG05/002

MECHATRONICS ENGINEERING

ABIMBOLA OLUWAFEMI GIDEON MATRIC NO: 18 ENGOS 1002 DEPARTMENT : MECHATRONICS ENGIN. CERING WEB BASED APPLICATION TO CURTAIL THE SPREAD OF THE CORONAVIRUS PANDEMIC Application Development Cycle. The Application concept. · Coronavirus also known as Could-y 1 (00×C) b 19 is an injection respiratory disease. It emerged in thing in december 2019 and is a very deadly disease. This injections di lease has spread from thing to many continents across the world and has also led to the death of thousands. It has also affected over 200 contries which has made it a pard enic. It has spead at an alarming rate and it continues to spread and as at 18th april lozo there are over 1-6 million confirmed lases in the world. The coronautrus The Coronavirus has no cure and there is an urgent need to control Asspread. The views is transmitted through air droplets from the cough or sneeze of an offected gerson. An introduction of a web-based app. leation which can be able to detect the Wease, analyze and store data relatina to the the disease will be of great help the control of the deadly coronavirus Application specifications The aim of developing this applicat

son is for it to be able to i 1) Detect the injection (1) Analyses the degree of injection (i) transmit and access data relating to the disease over through the web. 1) Petection of the injection this will instolve. (9) Identification and recognition of all appear ted areas (Gathering the Contacts of all people exposed (E) Tracking their current locations. (d) Critical observation of symptoms that appear withing the 14 days self irolation period. @ use of questionable and a title chat with a medical practitioner (doctor). (11) Anglyses of the degree of infection (a) Relogaise mild symptoms (b) Recognice sever symptoms. (iii) Accers and transmit the data this min regular (9) web server (3) Graphic User interpare (GUI) (3) sound coconder and amplification (d) Internet service. Application Design. this involves the algorithms and Flow Chart of the application which will be very precise and direct

ALGORITHM Recognized all affected regions lareas Get Contacts of all exposed people Track current potation send Frail on 14 days wolation Cuch as cough and breathing (sound) police 7. Send recorded symptom to web ser-8 Display questionaire containing personal Exposel and data to be filled. Informat Patient Contact information repoled suriance first rame other name (s) Address. Symptoms : with number of days Filled at with Horesuch as cough, cold pierchoea, sore throat etc & tomard lesbones to sense to Video Chat between a medical praction Practitioner and exposed persons on Shiday In Deliver notification on receipt of date advice to be or jets indication 12 GIVE pop up message on contacts to call 17 symptoms be come too se verp 13 store regular information collected In User's form fortile and analyze contraw the application claw Charle from the algorithm been developed

Video Start Demer ranging data alice Recognize all appealed region Pop up messages on contacts to Cet contacts Carl exposed beads dada nower propule from. track 1000000 Send Email Stop or 14 gays isolation sery courses que stronaire to bang &

Implementation This web-based application one baranalani sa Mia programming language. The CHT & anning Jarquage of Choser beca use it offers a better facility for low-level memory manipulation It is an object-oriented language testing and Debugging

From which may appear when

runing the application are detected

during testing Test will be done board

on the Functionality and expected output of the application. Errors He ar due to wrong hardware installation and bugs to the written programwill be checked critically and corrected consirmation of the smooth running of the approcation will bedore. Release and update This application is expected to be accessible to everyone who has laternet service and a mobile browse The Application will be released on a spe gizzed date for the public. All necessary features which need to be added will be seen in the updated versions. Advice From medical practitioners on the control detection of the disease will be noted and implemented in updated versions of the application.

Hardware and soctware features) Hardware requirements/ Reatures A mobile smart phone! The mobile smart phone is a very important hardevare needel for the wage of the application. The mobile smart phone is equip ed with an internet service proble portéer à voice regorder, à comes and a mobile browser which are essential for the operation of the application, A Jond amplifier This hardware component will be used to emplify the sounds to symptom symptoms like ough athing. That amplified sounds con be analyzed by medical practitioners. Software Requirements / features, The neb-based application a print mus ett solemand for Judde (1) A dialog software with the copout mount to make video calls. (F) Location tracking system supported

A sound recorder suphuene	(or to access the callthes.	the contraction fresh the Europeans	A who	will automaticumy store au data	Top - Down Design. Inch Lased application.	Motive of the fighter feering being
	e de la	The same	The state of the s	Special Specia	Will man	The state of the s

to Storage lacterian Politication Buttom top Design voire/sound message storage laid based refording and Jesten mep-pared application -