MAJOR PROJECT

ON

MIND CONTROLLED ENVIRONMENT MANIPULATION

FOR

AMITY UNIVERSITY

Submitted to

In partial fulfilment of the requirements for the award of the degree of

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In

Information Technology

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<u>PROGRESS REPORT</u>

MIND CONTROLLED ENVIRONMENT MANIPULATION

AIM:

The motive of this project is to develop a full fledged server with support to latest technologies developing in the market. That is -

1. Provide IoT support
2. Provide cloud support
3. Provide machine leaning and artificial intelligence support

It combines technologies of various fields into a one unique machine. Use of various programming languages is take like -

1. Python
2. C ++
3. C
4. Java
5. Bash scripts/Terminal scripting
6. MySQL query language
7. HTML

IoT helps in interfacing the virtual world with the physical world, while generating enormous amount of data which can be stored inside the cloud server and proper and easy LAN and WAN access of that data is made possible only with the help of cloud server. While the generated data need to be processed to fetch some meaning and value to the business which is supported with the help of technology called machine leaning and artificial intelligence.

OBJECTIVE:

The main objective of this project is to cloud server in huse so as to have easy access, learn cloud server setup and provide home automation.

METHODOLOGY:

Python is used to create bash scripts and implement the technology of computer vision in this project while C and C++ is used to program the micro controllers.

HTML, JAVA, MySQL and others are used to develop the web interface to provide user support and make the server capable of data protection, access and user credential protection

BRIEF SUMMARY OF PROJECT:

Setup a raspberry pi as node and used old laptop with ubuntu installed to give server and build server on it, the server supportchat bot and google drive like fearures

CODE FOR PHASE 1:

Figure 5.5(a) voiceCommandScript

Figure 5.5(b) Speak

OUTPUT FOR PHASE 1:

FUTURE WORK:

Future work is to ad EEG support to control environment.