

College of Engineering Chengannur
Department of Computer Engineering
B. Tech. Computer Science
CS492 Project

Periodic Report No. 3 For the period 12-05-2021 to 21-05-2021

XR-OS Wearable : Reduce E-waste and Personalize Computer

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1 Work Assigned

Full working of voice commands and window overlay on video feedback.

2 Work Done

We have successfully launched the AI assistant on Raspberry Pi 4. The AI uses the Google Assistant API for general purpose uses like calculations, search a keyword on the internet, speak out jokes and time, etc. The AI assistant is also equipped with scripts that would enable us to play music on youtube, spotify, etc. These scripts are available to used by speaking out certain predefined commands. The wake words for the activation used are 'Hey Google' from Google Assiatant API and 'Jarvis' through a trained wake words development program from PicoVoice.

3 Work Schedule for Next 10 Days

The acceptance of web-cam on Raspberry Pi and opening all the Pi Camera option on the normal web-cam. And make the AI start headless and create scripts for Chromium and Kodi.

4 Assessment of Guide

Performance assessment & Remarks by the guide: Poor/Acceptable/Satisfactory/Good/Very Good/Excellent

Name & dated signature of the guide: