ABSTRACT

In the current scenario, there are some digital media player available like Netflix and Amazon prime video which provides movies and entertainment. and there are some cloud storage available like google drive and dropbox where we can store our own data but cloud storage does not provide us the interface like digital media player and digital media player does not allow us to store our own data. User have to watch the entertainment that they provide and it works only in smart devices , for other devices user have to purchase some extra hardware which are costly and user have to pay also for the content that digital media provide.

The **AI based personal media player** is a set-top box made with IoT which has HDMI cable as an output that works as an input for any display device having HDMI port and controlled by remote. In AI based personal media player user will be provided cloud based hard drive in which user can store it's own data (pictures + audio + video). User will be provided the user friendly interface like Netflix and other existing media players for the stored content.
User can store the content using external drives.

The another module is **group profile**. In which any group member can add the data in storage. Group member can access the system using the username and if particular group member wants the data security then that group member can set the password. The system will show the data content as per the group member. Using AI the data will be loaded as per the group member's watch history and system will keep track of progress of all files. Using AI System will find the information about particular file. For example – for particular movie it's IMDB ratings.

The main modules for our project are as follows.

Module-1 : Hardware module using Raspberry pie

Module-2 : Storing data in cloud based hard drive.

Module-3 : Managing user profile and group profile using database.

Module-4 : Creating interface using shell script and linux.

Module-5 : Getting relevant information using AI

Module-6 : Keep track of file progress using AI

Module-7 : Remote(Hardware + App)

Hence, we are developing the AI based personal media player using IoT and AI which can be used as a better personal media player.