

This project is to implement a virtual pet that can function similar to the iDog from SEGA-toys. I will be implementing a virtual pet with a video interface. The user plugs in music input, and the virtual pet determines the beat of the song, and dance to the beats, while playing the songs. The virtual also sense the pat from the user via a light sensor. It has 7 LEDs (eyes) to express its emotion. Giving the dog a pat or feeding it with music can make it happy. The user can also play video game with the dog.