

ECE Capstone program
Spring 2018
Project Abstract & Info

Please provide the following information to be shared with on capstone information exchange platform:

1. Project number:

S18-44 (4)

2. Project title (as will appear on the poster):

A smart door recognition system

3. Team members:

Huayu Zhao (PoC)

Zhuohang Li

Ruiyu Zhang

Zhaoyi Xu

4. Adviser(s) name(s):

Chung-Tse Michael Wu

5. Up to 5 keywords that will help to classify the project scope:

Arduino, Machine Learning, TensorFlow, Java, Database

6. Project abstract (up to 250 words) to be shared with judges:

This is a smart door recognition system based on Arduino, TensorFlow and java technique. We consider to build this system for smart home so that people could use their face information as a key to unblock the facilities at home. Based on this model, we can even develop commercial product so that it could be not only cheap and low-power but also an important to build a smart home system.