**ATTENDANCE/SECURITY SYSTEM USING FACIAL RECOGNITION**

The project is a security system or attendance system using facial recognition and to be build on a desktop and be deployed on Raspberry Pi, the database will have some pre-defined users and will get a real time image of users through webcam, and check the face in the database. If the face matches it will approve else, it will generate alarms.

The Raspberry Pi is a low cost, credit-card sized computer that plugs into a computer monitor or TV, and uses a standard keyboard and mouse. It is a capable little device that enables people of all ages to explore computing, and to learn how to program in languages like Scratch and Python.  It’s capable of doing everything you’d expect a desktop computer to do, from browsing the internet and playing high-definition video, to making spreadsheets, word-processing, and playing games.

The world these days needs more security, where fingerprints are becoming obsolete, the face recognition are providing enough details for security measurements.

The project’s coding language will be decided later but C, C++, C# and python can be used, and its front end can lie on a web application as well.

After developing the code, the code will be deployed on a Raspberry Pi and using appropriate hardware like camera for face recognition.

**Instructor’s remarks over whatsapp:** Discuss this in class.