



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING
Faculty of Engineering

Project Progress 4

Assignment 3

SECJ3553 ARTIFICIAL INTELLIGENCE

SEMESTER I, SESSION 2021/2022

Theme: Face Recognition for Recording Attendance

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Section: 08

Programme: Bachelor of Computer Science (Software Engineering)

Performance	Accuracy, Record attendance
Environment	Classroom
Actuators	Light indicator, Screen display
Sensors	Camera Sensor, Motion sensor, Facial sensor

Table 1: PEAS Model

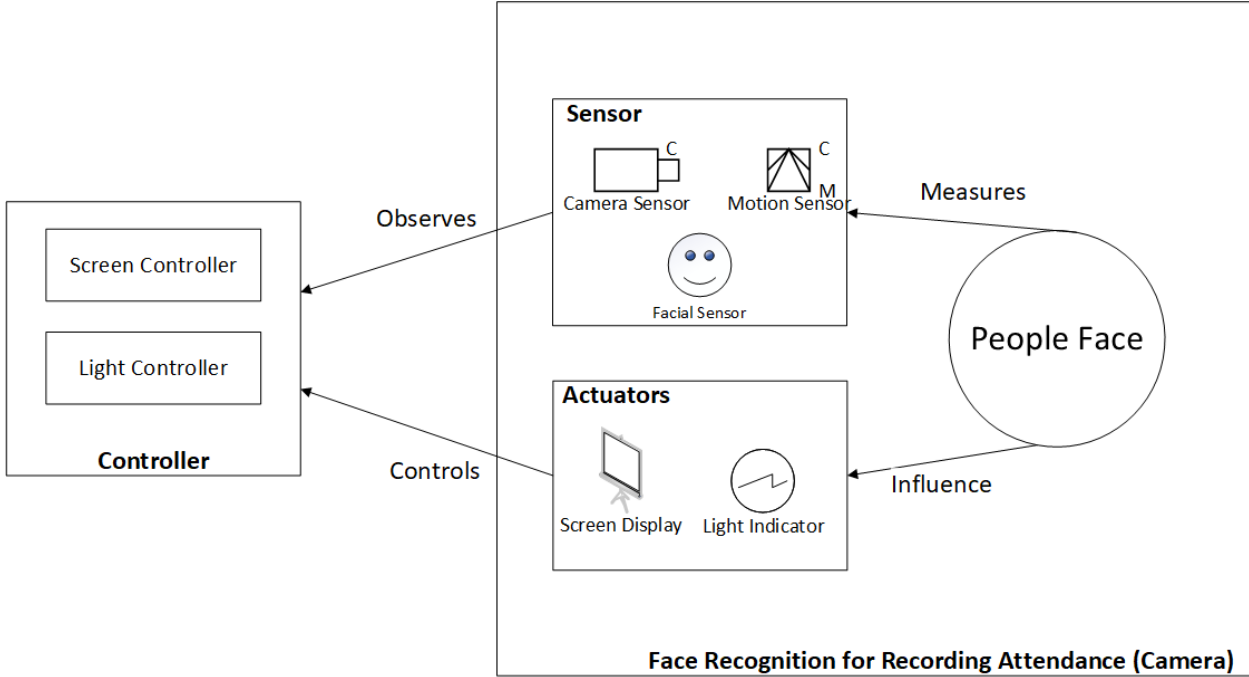


Figure 1: PEAS Model

Face recognition for recording attendance is a smart system that allows recording the attendance of students automatically. Firstly, there are 3 sensors that are important and crucial for the system to work, which are camera, motion and facial sensors. The sensors will identify the students by facial recognition and record the attendance. The motion sensor will detect whether the person is actually present in the class to avoid students exploiting the system by using pictures to fix the attendance. There are light indicators which will indicate the facial recognition process whether succeeded or failed. If the process is done, the indicator will turn green and the screen will display the attendance recorded message. After the attendance is recorded, the database will be updated.