Project Progress 3

Assignment 2

SECJ3553 ARTIFICIAL INTELLIGENCE

SEMESTER I, SESSION 2021/2022

Theme: Face Recognition for Recording Attendance
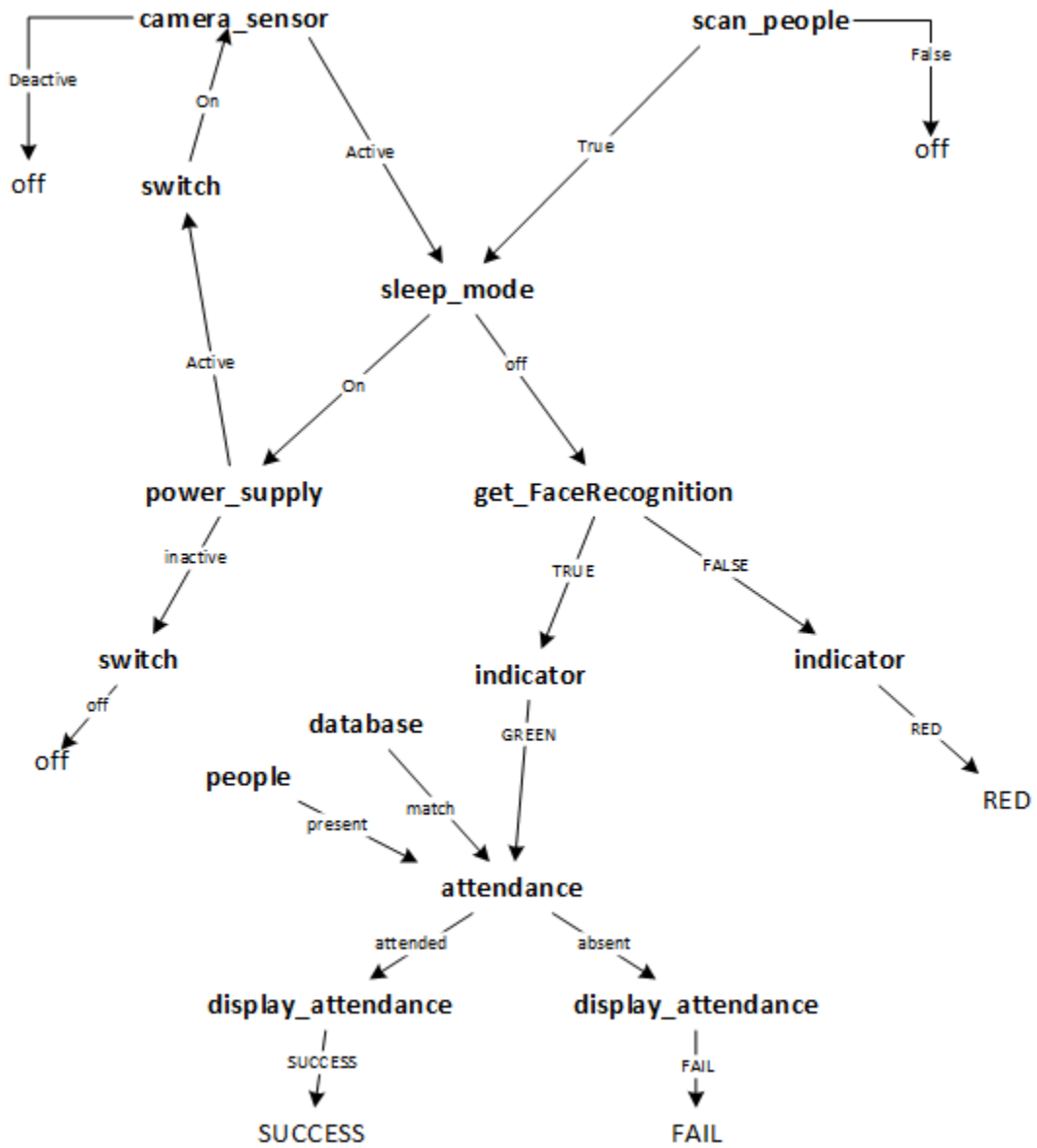
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Section: 08

Programme: Bachelor of Computer Science (Software Engineering)

STATE SPACE SEARCH

Initial state = sleep_mode and camera_sensor
Actions = switch, scan_people, power_supply, get_FaceRecognition and attendance
Goal = display_attendance (Success or Fail)
Path cost = Deactivate, off, on, true, false, active, inactive, match, green, red, present, attended and absent.

When the power_supply is active and the switch is on, the camera_sensor will be activated if the sleep_mode is off, the get_faceRecognition procedure will begin to act and the indicator will turn green if the information is matched and turn red if there is error. Lastly, the display_attendance will be reflected in success if the attendance is being recorded; otherwise, the display_attendance will turn to fail.