Assignment A – Group 07

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Sensor ID	Sensor Name/Type	Publishing Range (if defined)	Publishing interval (s)	Any other remarks
Gas_01	Gas sensor	From 10 to 5000	25	Sensor to detect possible gas leak in the kitchen area
Smoke_01 Smoke_02	Smoke sensor	From 20 to 6000	20	Two sensors to detect a fire. (Near the CEB power inlet and iron table)
Security_01 Security_02	Sensor connected to main doors	0 & 1 – whether the door has opened or not	Non-periodic Only publish when there is a change from the previous value.	If one of the door is opened then the signal will rise.
Temp_01	Temperature sensor	From 15 to 45	30	To sense temperature in living room
Temp_02		From -15 to 30	25	To measure temperature in the refrigerator
Humidity_01	Humidity level	From o to 100	40	To measure the humidity for AC activation
pip3 install Motion_01	Motion detector	0 & 1 – whether there is a movement or not	Non-periodic Only publish when there is a change from the previous value.	Sensor (most probably PIR sensor) to detect movements toward the house
Power_01	Power consumption sensor	From 0 to 400	35	Measure to power consumption in the kitchen.