|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Event | Trigger | Source | Use Case | Response | Destination |
| Provide Class Schedules. | Start of a New Term. | APCIS | Provide Updated Class Schedules. | Class Schedule Details. | FACILITY |
| Operation of facilities. | Class Schedules. | APCIS | Checks Class Schedule Details. | Process Class Schedule Details. | FACILITY |
| Professor reports faulty facility. | Professor reported faulty facility details. | USER | Report facility details. | Sends report. | APCIS |
| Activation of the facilities. | Based on Class Schedules. | APCIS | Activates the switch fuse and facilities in a room. | Activates the switch fuse for air conditioner and air conditioner itself 15 minutes before the time allocated and switch fuse for other facilities is turned on based on the time allocated. | FACILITY |
| Deactivates the air conditioner, lights and/or computers and switch fuse. | Turning off Facilities if:   * Professor is absent * Class is dismissed * Early dismissal * Class suspension   After the 5 minutes that the sensors had not detected any movement in a room. | APCIS | Deactivates facilities and switch fuse in a room. | Air conditioner, lights, and/or computers and switch fuse are deactivated. | FACILITY |
| Reactivating the facilities in a room. | The people using the room had to go out for more than 5 minutes but comes back later on – activates facility after 1-minute detecting consistent movement. | APCIS | Reactivation of facilities. | Reactivates the switch fuse for all the facilities used in the room and facilities. | FACILITY |
| Facility sends feedback. | The time facilities are turned on and/or off. | FACILITY | Sends feedback. | Provide reports based on the feedback. | APCIS |
| The consolidation of processed feedback details. | All classes for the day has ended. | REPORT | Process  Report. | Provide a summary report of the processed reports. | APCIS |