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| --- | --- | --- | --- | --- | --- |
| *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.* | *FACILITY* | *Checks Class Schedule Details.* | *Process Class Schedule Details.* | *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 are and switch fuse.* | *FACILITY* |
| *Reactivation of facilities if professor is late.* | *Professor is late.* | *APCIS* | *Reactivates the facilities in a room.* | *Activates 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* | *Process feedback.* | *Provide reports based on the feedback.* | *APCIS* |
| *Professor reports faulty facility.* | *Professor reported faulty facility details.* | *PROFESSOR* | *Report facility details.* | *Sends report.* | *APCIS* |
| *Professor reserves additional facility.* | *Professor reserved additional facility.* | *PROFESSOR* | *Reserve additional facility.* | *Record reservation.* | *APCIS* |
| Start of a New Term. | Provide Class Schedules. | Registrar | Deployment of Class Schedules. | Distribution of  Class Schedules. | APCIS |
| Revisions of Class schedules. | Changes in schedule due to:   * Dissolution of a course * Merging of courses   Petitioned subjects | Registrar | Updates Class Schedule. | Redistribution of Class Schedules. | APCIS |