

7. Brief list of topics to be covered:

- Introduction to Home Automation. (1)
- Communication mode: Dry contact, Serial, Infra red and TCP-IP (2)
- Protocol: Wired and Wireless, Dedicated and Universal. (2)
- Type of control: Lighting, electrical curtains, HVAC and Audio video equipment. (4)
- Interface with other systems: Building management systems (BMS), Fire Alarm, Intrusion, CCTV and intercom. (1)
- Internet of things (IOT) (1)
- User Interface: Binary input, Wired Keypads, Wireless remote control, Touch screen and Mobile / Tablet applications. (2)
- Concept of electrical installation relative to home automation complete with the relative electrical panel. (1)
- Load schedule with the number of circuits and type of control. (1)
- Home Automation devices. (1)
- KNX Protocol. (1)
- ETS software. (2)
- Concept of typical project (requirement and recommendations) (1)
- Distribution of project on student
- Evaluation on the project process per group of student. (4)