

Building Management System (BMS)

Pre-request: General Knowledge about electricity

Course duration: 28 Hours + site visit

On completing this course you will be able to:

- Read any Wiring of Motor Control Center Panel (MCC).
- Design & Maintenance any control Panel (MCC).
- Read any Wiring of Direct Digital Control Panel (DDC) Used in (BMS) System.
- Able to Make Program of any application by using (BMS).
- Know the operation & main Function of using (BMS).

Course Content:

- **PART 1 (Basic Classic Control):-**
 1. Explaining The Operation & Function Of Some Component used in Motor Control Center (MCC) panel.
 2. Direct on Line Control Circuit (DOL) + Calculations+ **Practical Connection** + connect it to BMS System.
 3. Two Directions Control Circuit + Calculations + **Practical Connection** + Connect it to BMS System.
 4. Star – Delta Control Circuit + Calculations + Connect it to BMS system.
 5. Dalendar Control Circuit + Calculations + connect it to BMS system.
 6. Motion Detector Control Circuit.

- **PART 2 (Building Management System BMS):-**

1. Meaning of BMS & its Main Advantages.
2. Main aim from using BMS in large Buildings.
3. Component of any BMS System.
4. Input & Output Points.
5. Types of BMS Modules & Main information about them.
6. Types of Sensors Used in BMS Systems.
7. Some of Applications of BMS Systems.
8. Meaning of Site Builder + Practical Example.
9. Meaning of View Builder + Practical Example.
10. Network of BMS System.
11. Make Program of Simple application.
12. Connection View Builder with Program.
13. Steps of project.
14. Site visit