

DIPLOMA IN ENGINEERING TECHNOLOGY (FACILITIES & BUILDING AUTOMATION)

JPT/BPP(K)1000-600/B293 JId3(17)(N/523/4/0222)(MQA/PA 4871) 2/2020

PROGRAMME BRIEF

This programme will give a broad introduction to Building Automation System (BAS) in the scope of facilities and smart building that takes all aspects of the building (control system for HVAC, security, access control, surveillance, lighting, etc.) and occupant needs into consideration to maximize energy efficiency & convenient and make management of the facility simpler, safe and secured.

This practical oriented programme is designed to equip the graduates with skills to perform building utilities installation and maintenance activities including digital controls, sensing and measurement, actuation, analog output devices, and relays. Data communication protocol for building automation and control network is discussed including web interfaces, field devices, Human Machine Interface (HMI) to a wide variety of equipment types from individual subsystem to fully integrated intelligent building.

Facilities and building automation technologist requires competencies in BAS design and specification, energy conservation control strategies, system maintenance, current and future trends in building automation technology.

CORE STUDY AREAS

- Building Facilities, Management and Maintenance
- Building Communication
- Building Power Management
- Green Building Technology

JOB OPPORTUNITIES

- Building Automation System Specialist
- Green Building Technologist
- Building Automation Designer
- Facilities Assistant Engineer

