

## **Higher National Diploma In Electrical & Electronic Engineering**

This programmes will enable the learners to enhance your understanding of engineering and help the career advancement. By studying Electrical and Electronic Engineering the learners can choose from a range of units that will allow to studies towards electronics or electrical power, or a combination of the two. The course contains significant project- based learning including laboratory investigations, design work, projects, case studies and tutorials. Learning methods will include student centered work alongside more traditional methods and practical problem Solving.

- **International Year 1**  
Analytical Methods for Engineers  
Combinational and Sequential Logic  
Electrical Power  
Engineering Science  
Utilization of Electrical Energy  
Applications of Power Electronics  
Operational Amplifiers  
Data Communications Networks  
IELTS Writing, Listening, Speaking & Reading  
Engineering English
  
- **International Year 2**  
Electronic Principles  
Electrical & Electronic Principles  
Further Electrical Power  
Digital Analogue Device and Circuits  
Project Design, Implementation & Evaluation  
Managing work of Individual & Team  
Analogue Devices & Circuits  
Telecommunications Principles  
IELTS Writing, Listening, Speaking & Reading  
Engineering English

**Duration = 10 months**

### **Mode of Assessment\***

1. Examination
  
2. Assignment
  
3. Presentation

## **Progression Pathway**

Upon successful completion of HND program, students can advance to the following Bachelor's Degree Course.

- B.Eng (Hons) Electrical and Electronic Engineering
- B.Eng (Hons) Electronic and Communication

## **Career Opportunities**

Employment in a broad range of industries with either a managerial or technical bias in research and development, design, technical sales and production.

- Electrical/Electronic Engineer
- Electrical/Electronic Technician
- Electrical Project Assistant Manager