**1st Semester: Module Title;**

1. Installing wiring enclosure
   - Erecting conduit
     - Erecting pvc conduit
     - Erecting galvanizing conduit
   - Erecting trunking
     - Erecting pvc trunking
     - Erecting cable trays
   - Construct duct
     - Perform ducting

2. Installing switchgear and protective device
   - Installing switch gear
     - Installing single phase distribution board
     - Installing single phase isolator
     - Installing three phase distribution board
     - Installing three phase isolator
     - Installing three phase switch fuse
     - Installing change over switch
     - Installing power factor correction facilities
   - Installing protective device
     - Installing single phase protective device
     - Installing three phase protective device
   - Installing fire detection and alarm system
     - Installing digital system
     - Installing analogue system

**2nd semester Module Title;**

3. perform electrical maintenance
   - carrying out preventive maintenance
     - carrying out mechanical inspection
     - carrying out electrical inspection
     - carrying out remedial action
     - preparing schedule for each machinery
   - carrying out corrective
     - carrying out electrical and mechanical inspection
     - dismantling and assembling of electrical machine
     - replacing and repair detective parts
   - carrying out condition based maintenance
     - prepare maintenance schedule and adhere to operation manual recommendation
   - carrying out troubleshooting
     - carrying out physical check up
     - carrying out measurement
     - develop a troubleshooting chart
     - developing reference for further fault finding
PRACTICAL GUIDE FOR SEMISTER 1

PRACTICAL GUIDE FOR SEMISTER 2

INDUSTRIAL ATTACHEMENT: