# Regional Training Center Central Luzon - Guiguinto

Technical Education and Skills Development Authority Mc. Arthur Highway, Tabang, Guiguinto, Bulacan

# ELECTRICAL INSTALLATIONAND MAINTENANCE NCIL







			BASIC							COMMON								CORE				
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	BASIC											COMMON						CORE				
I. PARTICIPATE IN WORKPLACE COMMUNICATION		ION	2. Discuss and develop ideas with others				2. Determine causes of inefficiency and/or			I. USE HAND TOOLS				IV APPLY QUALITY STANDARDS			<b>I.</b> P	I. PERFORM ROUGHING-IN ACTIVITIES,				
1. Obtain and convey workplace communication		3. Integrate ideas for change in the workplace				ineffectiveness of resource utilization			1. Plan and prepare for tasks to be undertaken				1. Asses quality of received materials or components				AND CABLING WOL	RKS FOR SINGLE-	III. INSTALL WIRING DEVICES OF			

- 2. Participate in workplace meetings and discussions
- 3. Complete relevant work related documents II. WORK IN TEAM ENVIRONMENT

# 1. Describe team role and scope

- 2. Identify own role and responsibility within team 3. Work as a team member
- III. SOLVE/ADDRESS GENERAL WORKPLACE PROBLEMS

## 1. Identify routine problems

- 2. Look for solutions to routine problems
- 3. Recommend solutions to problems

### IV. DEVELOP CAREER AND LIFE DECISIONS

- 1. Manage one's emotion
- 2. Develop reflective practice
- 3. Boost self-confidence and develop self-regulation
- V. CONTRIBUTE TO WORKPLACE INNOVATION 1. Identify oppurtunities to od things better

- VI. PRESENT RELEVANT INFORMATION
- 1. Gather data/infromation
- 2. Assess gathered data/information
- 3. Record and present information
- VII. PRACTICE OCCUPATIONAL SAFETY AND

#### HEALTH POLICIES AND PROCEDURES

- 1. Identify OSH compliance requirements
- 2. Prepare OSH requirements for compliance
- 3. Perform task in accordance with relevant OSH

### policies and procedures

- VIII. EXERCISE EFFICIENT AND
- EFFECTIVE SUSTAINABLE PRACTICE IN THE WORKPLACE
- 1. Identify the efficiency and effectiveness of resource
- utilization

3. Convey inefficient and ineffective environmental prac

### IX PRACTICE ENTREPRENEURIAL

### SKILLS IN THE WORKPLACE

- 1. Apply entrepreneurial workplace best practices
- 2. Communicate entrepreneurial workplace best practices
- 3. Implement cost-effective operations

- 2. Prepare hand tools
- 3. Use appropriate hand tools and test equipment

- 1. Select measuring instruments
- 3. Maintain measuring instruments

#### **DRAWING**

- 1. Identify different kinds of technical drawings
- 2. Interpret technical drawing
- 3. Prepare/make changes to electrical/electronic
- 4. Store technical drawings and equipment/

- 4. Maintain hand tools.

#### II. PERFORM MENSURATION AND

#### **CALCULATION**

- 2. Carry out measurements and calculation
- III. PREPARE AND INTERPRET TECHNICAL

- schematics and drawings
  - instruments

- 3. Engage in quality improvement

### III. PERFORM COMPUTER OPERATIONS

- 1. Plan and prepare for task to be undertaken
- 2. Input data into computer
- 3. Access information using computer
- 3. Produce/output data using computer systems 5. Maintain computer equipment and systems
- TERMITANTE AND CONNECT ELECTRICAL
- WIRING AND ELECTRONICS CIRCUIT
- wiring/electronics circuit

### 2. Terminate/connect electrical

- wiring/electronic circuits 3. Test termination/connections of elcectrical
- wiring/electronic circuits

PHASE DISTRIBUTION, POWER, LIGHTING. 2. Asses own work

# 1. Install electrical metallic /nonmetallic

- (PVC conduit)
- 2. Install wire ways and cable tray
- 3. Install auxiliary terminal cabinet and
- distribution panel
- 4. Prepare for cable pulling and installation
- 5. Perform wiring and cabling lay out
- 6. Notify completion of work
- II. INSTALL ELECTRICAL PROTECTIVE 1. Plan and prepare for termination/connection of electrical | **DEVICES FOR DISTRIBUTION, POWER,**

# LIGHTING, AUXILIARY, LIGHTNING

- PROTECTION AND GROUNDING SYSTEMS 1. Plan and prepare work
  - 2. Install electrical protective devices
  - 3. Install lighting fixture and auxiliary outlet
  - 4. Notify completion of work

### 1. Select wiring devices 2. Install wiring devices 3. Install lighting fixture/switches 4. Notify completion of work

**AUXILLIARY OUTLETS** 

FLOOR AND WALL MOUNTED OUTLETS,

LIGHTING FIXTURE/SWITCHES AND

Provider of Highly Skilled Electricians in Central

Luzon

# MISSION

To Create a Passion for Learning and Promote Innovation

# GOALS

- Industy-relevant training programs;
- Graduate with quality skills and positive work values; and
- Strategic collaborations with public and private sector

- To absorb and train at least 125 enrollees in Electrical Installation and Maintenance before the end of December
- every year; To maintain not more than 5% drop-out rate of trainees per training batch;
- Ensure that 100% of the trainees in Electrical Installation and Maintenance courses undertake the standard competency assessment after the completion of each training batches;
- To achieve and maintain at least 85% certification (passing) rate among the Electrical Installation and Maintenance