

NSQF Curriculum in Electrical Technology level-2

Element Code ELE-211: Engineering Drawing – 2

UNIT CODE & NAME	Engineering Drawing – 2	
Duration	50 Hours	
UNIT OVERVIEW	Student will be able to understand engineering drawing and use drawing instruments to draw the drawing	
ELE-211-E1	PERFORMANCE CRITERIA	KNOWLEDGE CRITERIA
Orthographic Projections	Able to draw orthographic views from pictorial views Able to draw orthographic views of simple machine elements	Orthographic projections- I & III angle of projections Method of drawing orthographic views from pictorial views
ELE-211-E2	PERFORMANCE CRITERIA	KNOWLEDGE CRITERIA
Isometric projections	Able to draw isometric views from orthographic views	Method of drawing isometric views from orthographic views
ELE-211-E3	PERFORMANCE CRITERIA	KNOWLEDGE CRITERIA
F.H.S of D.C.machines and its Parts	Able to draw F.H.S of D.C.machines and its Parts.	Able to draw F.H.S of D.C.machines and its Parts.
ELE-211-E4	PERFORMANCE CRITERIA	KNOWLEDGE CRITERIA
Electrical symbols for electrical accessories and Indicating Instruments.	Able to draw assembly drawings of simple Electrical symbols for electrical accessories and Indicating Instruments.	Able to draw assembly drawings of simple Electrical symbols for electrical accessories and Indicating Instruments.
ELE-211-E5	PERFORMANCE CRITERIA	KNOWLEDGE CRITERIA
Application of CAD (Household wiring, Staircase wiring and Wiring diagram of 3 rooms and kitchen)	Able to draw simple object by using CAD Introduction to various tool bar (draw, modify, view etc.) used in CAD Able to draw Household wiring, Staircase wiring and Wiring diagram of 3 rooms and kitchen)	Able to draw simple object by using CAD Introduction to various tool bar (draw, modify, view etc.) used in CAD Able to draw Household wiring, Staircase wiring and Wiring diagram of 3 rooms and kitchen)

Skills

- Use of drawing & drafting instruments
- Prepare drawings selecting appropriate scale, proper dimensioning with lettering & numbering

Evaluation/Assessment

- Oral
- Visual
- Test
- Demonstration

NSQF Curriculum in Electrical Technology level-2

Unit Nos.	Units	Theory	Practical	Total
ELE-211-E1	Orthographic Projections	4	6	10
ELE-211-E2	Isometric projections	4	6	10
ELE-211-E3	F.H.S of D.C.machines and its Parts	4	6	10
ELE-211-E4	Electrical symbols for electrical accessories and Indicating Instruments.	4	6	10
ELE-211-E5	Application of CAD (Household wiring, Staircase wiring and Wiring diagram of 3 rooms and kitchen)	4	6	10
		20	30	50

Drawing should be drawn on half imperial Drawing sheets

Sheet Nos.	Name of Sheet	Periods
1	Orthographic Projections	6
2	Isometric Projections	6
3	F.H.S of D.C.machines and its Parts	6
4	To draw Electrical symbols for electrical accessories and Indicating Instruments.	6
5	Household wiring diagram (any-four)	6