

SYLLABUS/ CURRICULUM

TV Repair Technician

(ELE/Q3101)

Sl. No	Topic/Module	Duration(H)	Key Learning Outcomes	Corresponding NOS Code
Semester-I				
1)	Engage with customer for service)	50	To be competent, the user/ individual must be able to: <ul style="list-style-type: none"> • check customer complaint registered at customer care or installation schedule • call customer to confirm problem and fix time for visit • greet the customer and confirm the problem registered • be polite and patient when interacting with customer • check about warranty status of appliance and annual maintenance contract anticipate possible problems to carry tools and parts	ELE/N3101

Sl.No	Topic/Module	Duration(Hours)	Key Learning Outcomes	Corresponding NOS Code
			oscilloscope	
2)	Install the TV set	50	<ul style="list-style-type: none"> • Different section of a TV and their functioning • Familiarity with different types and designs of colour television • Remove packaging and check accessories • Select tools and equipment for installation • Fix the TV set at appropriate location • Check and ensure TV set's functioning • Different types of TV such as CRT TV, LED TV, LCD TV • Concealed wiring and make connection of power supply, set top boxes, home theatre system to the TV set • Fundamental of electrical and electronic symbols and SI units • Explain different features and functionalities of various models • Use of test equipment and tools such as multi-meter, volt-ohmmeter 	ELE/N3102
3)	Repair dysfunctional CRT TV set	100	<ul style="list-style-type: none"> • Basic fundamental of CR television set • Different section of a TV and their functioning • Understanding of colours, colour picture & signals and colour picture tube • Explain the function of picture tube • Skill in repair of B&W and color television set • Repair the CRT television set • Carry out basic earthing test and volt ampere test • Ensure that the fault is internal before disassembling the unit • Understand the symptoms and identify the fault • Reassemble the Television set and test its functioning • Operate measuring tools and equipment used to repair CRT TV set • Basic trouble shooting knowledge with respect to CRT TV set 	ELE/N3103

Sl.No	Topic/Module	Duration(Hours)	Key Learning Outcomes	Corresponding NOS Code
4)	Repair Dysfunctional Flat Panel Display (FPD) TV set	100	<ul style="list-style-type: none"> • Basic fundamental of LCD/LED television set • Inspect all electrical and electronic part of the unit • Skill in repair of colour television • Identify the reason for fault on the LED/LCD TV set and fix it. • Ensure that the fault is internal before disassembling the unit • Reassemble and Reinstall the Television set and test its functioning • Operate measuring tools and equipments used to repair FPD TV set • Basic trouble shooting knowledge with respect to LED/LCD TV set 	ELE/N3104
5)	Engage with customer for Service	60	<ul style="list-style-type: none"> • Basic electrical and mechanical modules of various products. • Electronics involved in the type of product. • Models of different appliances and their common and distinguishing features. • Understand how to communicate with customers. • Etiquette to be followed at customer's premises. • Precautions to be taken while handling field calls and dealing with customers. • Communicate in local language. • Importance of personal grooming. 	ELE/N3105