

**TV Technician**

Course Code NARQ40020-PROCESS: Session Plan

DAY	SESSION	SUBJECT / TOPIC
01	I	Registration & Inauguration
	II	About the institute , rules & regulation of training / institute
	III&IV	Micro lab –ice breaking exercise
02	I	Achievement Motivation –confidence building
	II	Why self employment -Advantages over wage employment, Entrepreneurship Development-What ,why&How ? (introduction )
	III&IV	Entrepreneurial competencies-importance, explanation with examples case study for identification of different competencies
03	I	Problem solving explanation through case studies and exercises creativity-creative thinking
	II	Time management
	III&IV	Risk taking and goal setting –Ring toss exercise
04	I&II	Basic electronics – introduction
	III	Precautions and safety measures in handling electronics equipments
	IV	AC, DC, Oscillators, Amplifiers
05	I	Use of multi meter digital and analog theory
	II & III	Electronics spare parts, Symbols & methodology, checking using multi meter
	IV	Soldering, de-soldering, hot gun – practical
06	I	Audio digital circuit diagram amplifier
	II	AM, FM, Transmission–theory
	III	Signals & waves Block diagram
	IV	Amplifiers Mono stereo 5.1Audio USB kit theory and practical
07	I&II	Amplifiers Mono stereo USB kit theory and practical
	III	Tower building- Eradicating dependency syndrome
	IV	Block Diagram of Multimedia home theater Working practical
08	I&II	Multimedia home theater fault finding and practical
	III	Digital scarcity home theater theory 4.1 practical
	IV	DVD Theory & block diagram
09	I&II	DVD fault finding and practical
	III	Antenna /cable /DTH installation & its functioning and setting
	IV	DTH setting practical
10	I	Effective communication skills
	II	Block diagram of TV & its working principle
	III & IV	B&W, Colour Tube working principle & remote control servicing
11	I&II	Block diagram of colour TV & working principle
	III&IV	Types of Power supply (regulated SMPS ,STR ,MOSFET,IC) - Theory
12	I&II	Types of Power supply –working principle & fault fining.
	III	Video IF section circuit diagram –Theory and practical
	IV	Audio section of working principal

13	I & II	Business Game – Boat Building exercise
	II to IV	Chroma section circuit diagram –theory & Practical
14	I&II	Colour CRT checking method and remote control servicing theory
	III	RGB output circuit diagram –theory and practical
	IV	Market survey theory
15	I & IV	Market Survey - Collection of information and field visits
16	I & II	Market Survey –Report Writing Presentation, Group Discussion & Analysis
	III & IV	Vertical output section circuit diagram –theory & practical
17	I&II	Horizontal Driver, Output and EHT section circuit diagram theory & practical
	III	Yoke related problems & fault finding
	IV	Mid Term evaluation test
18	I & II	Fault analysis of all sections (flow chart)-(contd.) practical
	III&IV	Voltage measurement & fault finding in all sections of TV PRINCIPAL
19	I	Marketing management -4Ps managing the customer
	II to IV	Servicing of Stabilizer (auto Cut) Theory & Practical
20	I&II	Practical use of hot gun for replacement of SMD IC 's chip system
	III&IV	Fault analysis of advanced TV kits
21	I&II	SMD IC used TV kit theory and practical
	III&IV	Detection & servicing –faults of latest brands of TV
22	I&II	Introduction of LCD TV and LED TV ,HD TV
	III&IV	Trouble shooting of latest brands of LCD TV & LED TV
23	I to IV	Service mode details for all brands of TV & LCD and LED
24	I to IV	Voltage measurement & fault finding in all section of LED TV ,LCD TV,HD TV
25	I	Sharing experience with successful entrepreneur
	II to IV	Study of different types TV Circuit diagrams on OHP/Projector
26	I to IV	UP, Inverters – Theory & practical
27	I & II	Interaction with branded company service engineers (2 to 3 different brands )
	III & IV	Internet update for TV/LCD/LED servicing information
28	I	Costing pricing –Fixed Cost Variable Cost Breakeven point etc
	II	Market Information of spare parts & circuit diagrams
	III&IV	Visit to Service Units of successful entrepreneurs
29	I & II	Banking –deposits & advances , lending schemes /Government schemes
	III	Business Plan / project report preparation
	IV	Maintenance of records & book keeping –methodology
30	I	Human Relations
	II	Launching formalities -steps in launching of an enterprises pitfalls and their control
	III	Final Evaluation test
	IV	Feedback & Valedictory