

**UPS AND BATTERY MAKING & SERVICING**

Course Code NARQ40053-PROCESS : Session Plan

Day	Session	Subject
01	I	Registration & Inauguration
	II	About the Institute, rules & regulations 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 to III	Inverter - Basic introduction, use of basic electronics, tools & testing holder – Theory
	IV & Post Evening	Risk taking and goal setting - Ring Toss exercise
04	I	Difference between an Inverter and a Generator
	II to IV	All about relay, condenser, transformer 909, HT 2 lead, PCB components & PCB components
05	I	Tower building – Eradicating dependency syndrome
	II to IV	Knowledge of PCB components
06	I	Effective Communication Skills
	II to IV	PCB components assembling and use
07	I to IV	PCB components assembling and use – Contd.
08	I to IV	PCB assembling and wiring
09	I to IV	Use of component & PCB assembling/mounting Inverter fitting, transformer relay, HT2 rocker
10	I	Problem solving – Explanation through case studies and exercises, Creativity – Creative thinking
	II to IV	Inverter wiring theory, PBC components soldering

11	I	Experience sharing – Interaction with successful entrepreneur
	II & III	PCB component soldering
	IV	Market Survey - Theory
12	I to III	Market Survey – Collection of information and field visits
	IV	Market Survey – Report writing, presentation, group discussion & analysis
13	I to IV	PCB component soldering
14	I	Marketing Management – 4 Ps of marketing, managing the customers
	II to IV	Wiring, transformer, relay and soldering complete
15	I	Time Management
	II to IV	Inverter wiring testing and fault finding - Theory
16	I to IV	Inverter checking and repairing, Battery maintenance and field wiring
17	I to IV	Inverter fault finding repairing - Practical
18	I & II	Inverter testing panel circuit diagram, Field fault - Practical
	III & IV	Technical knowledge of inverter and testing, Fault finding and voltage setting and checking
19	I & II	Introduction to Battery ,Basic components of a Battery. Anode, Cathode, Electrolyte, separator, plastic layer
	III & IV	Classification of Batteries-Primary, Secondary Reserve
20	I to IV	Inverter testing and fault finding, Inverter domestic wiring and fitting – Practical
21	I to IV	Characteristics of Battery, -Voltage, current, capacity, electricity storage, density, energy efficiency, cycle life shelf life
22	I & II	Banking- Deposits and Advances, Lending schemes/Government scheme
	III & IV	Construction and working of Zinc-Air Battery and applications
23	I TO IV	Nickel Metal Hydride Battery construction
24	I TO IV	Repair and servicing of UPS and Inverter-dysfunctioning UPS/Inverter
25	I to IV	Specific safety precautions while working in an electronic assembly unit, protective gear such s mask, goggles gloves. Rubber shoes etc. Selection and maintenance of various tools.
26	I	Business Game- Boat building exercise.
	II	Human Relations – Importance, principles & methodology
	III & IV	Latium Batteries – construction and working

27	I to IV	Fuel Cell-Difference between conventional battery and fuel cell- Advantages and disadvantages,
28	I to IV	Construction of different types of BATTERIES- Practical
29	I to III	Different types of fuel Cells –its constructions and working
	IV	Maintenance of records and book keeping – Methodology
30	I	Business plan/project report preparation
	II	Launching formalities – Steps in launching of an enterprise, pitfalls and their control
	III	Final Evaluation Test
	IV	Feedback/Valedictory