Plumbing and Sanitary Works Course Code NARQ40040-PROCESS: Session Plan

Day	Session	Subject
		Registration & Inauguration
1	II	About the Institute, rules & regulations of training/institute
	III & IV	Micro lab – Ice breaking exercise
	I	Achievement Motivation – Confidence building
	II	Why self employment - Advantages over wage employment, Entrepreneurship
2		Development – What, Why & How? – Introduction
	III & IV	Entrepreneurial competencies - Importance, explanation with examples, case
		study for identification of different competencies
	I	Problem solving-explanation through case studies and exercises, Creativity -
3		Creative thinking
	II	Time management
	III & IV	Risk taking and Goal setting - Ring Toss exercise
		Role of Plumber, Description of trade ,
4	<u>II</u>	Types of Fitting, Types of Solvent, Types of Solution-Theory
	III & IV	Site Drainage system – Blockage, use of chemicals
5		Examining the sketches, drawings and specifications
		Use and store of tools and equipment's in a safe manner
	III & IV	Knowledge of measurements and its conversion to other system – Theory &
	1.07	Practical
6	I -IV	Adhesives – Types & application. Pipes – Types, Dimension, uses. Joints– Types,
7		uses, applications and bathroom fittings
7		Tower building – Eradicating dependency syndrome
8	II- IV	Chamber connection - Chasing
°	I-II	Knowledge of various types of pipes with color code and selection of pipe as per work specific uses, Pipe fittings, methods of joint. Types of pipe and fittings. Chain
		Wrench
	III-IV	Installing PVC pipe work including selection of pipes, measurement of pipes and
		fitting, bending of pipes to given specification, making joints by using adhesive or
		couplings.
9	I to IV	Methods of laying pipes in building through floors, beams and columns.
10	I	Effective communication skills
	II to IV	Locating and marking pipe positions, pipe connections, holes for pipes in walls
		and floors
11	I-IV	Methodology of cutting for openings in walls and floors for accommodating
		pipes/pipe fittings using hand/power tools
12	I-IV	Cut openings in walls and floors to accommodate pipes and pipe fittings using
		hand or power tools
13	<u> </u>	Significance of ventilation of fresh water pipes and soil pipes
	II-IV	Assembling and installing sanitary fixtures including installation of sinks, bath tubs,
		water closets with cistern
14	14 87	Experience sharing – Interaction with successful entrepreneur
45	I to IV	Sensor wash Basin & Urinals fitting & Installation- Theory & Practical
15	I-III	Installation of domestic water pumps - Adjusting of ball valves to prevent overflow,
	N/	connection to soil pipes
40	IV IV	Market survey – Theory
16	I to IV	Market survey - Collection of information and field visits of Industry and
		construction site visit

17	I & II	Market survey – Report writing, presentation, group discussion & a
	III & IV	Rules, regulations, procedures and specification of products by the Municipality/
		Corporation regarding the standards of plumbing
	Post Evening	Midterm evaluation test
18	I to III	Assembling, installing, & repairing pipes, fittings and fixtures of heating, water,
		sanitary and drainage systems as per the required specifications
	IV	Assembling, installing, & repairing pipes, fittings and fixtures of heating, water,
		sanitary and drainage systems as per the required specifications
19	I to IV	Joining pipes using threaded fittings, flanged fittings, methods of flared, wiped, slip, sleeve or clamp joints, using solder, plastic solvent and box joints
20	I to IV	Assembling and installing valves, pipe fitting and pipes composed of materials
		such as iron, steel, brass, copper, lead and nonmetals such as vitrified clay,
		cement, plastic or PVC using hand tools & power tools.
21	I	Marketing management – 4Ps of marketing, managing the customers
	II-IV	Test systems by water or air and reading pressure gauges to determine the
		fulfilling of the specification of the system. Determination of the faults if any.
22	I to IV	Installing of European type W.C., Indian type W.C., Bath Fitting
23	I to IV	Installing and repairing plumbing fixtures such as water tanks, bidets, showers,
		urinals, water drainage systems, gutters, fall pipes and soil pipes-Connection of
24	1011	chambers.
24	1 & 11	Working at heights – Use of ladders and scaffolds, safe working practices including material storage, manual lifting, and inspection of tools. Working of
		stepladders, scaffold towers, ladders, bamboo scaffold etc.
	III	Pipe support and pipe fixing brackets
	IV	Installation of Solar water system
25	1&11	Orientation to plumbing works in commercial/industrial setup
	III & IV	Boat making exercise – systematic approach
26	I to IV	Installation of rainwater harvesting system
27	I to IV	Carrying out simple system design work and estimating installation cost and repair
		cost
28	1&11	Visit to servicing units of successful entrepreneurs
	III	Costing, pricing – Fixed cost, variable cost, breakeven point etc.
	IV	Maintenance of records & book keeping – Methodology
29	1&11	Banking — Deposits & advances, lending schemes/Government schemes
	III & IV	Business plan/project report preparation
	I	Human Relations
30	II	Launching formalities – Steps in launching of an enterprise Pitfalls and their
		control
	III	Finial Evaluation Test
	IV	Feedback & Valedictory