

Directorate of Vocational Education and Training, M.S., Mumbai-400001.

Industry 4.0, Advance Module

Groupwise Post Mapping

Group	Post Sr.No.	Post
Group-A	1	Craft Instructor (Fitter)
	2	Craft Instructor (Turner)
	3	Craft Instructor (Welder)
	4	Craft Instructor (Machinist)
	5	Craft Instructor (Machinist Grinder)
	6	Craft Instructor (Plumber)
	7	Craft Instructor (Sheet Metal Worker)
	8	Craft Instructor (Mechanic Diesel)
	9	Craft Instructor (Mechanic Tractor)
	10	Craft Instructor (Mechanic Motor Vehicle)
	11	Craft Instructor (Mechanic Refrigeration and Air Conditioning)
	12	Craft Instructor (Mechanic Machine Tools Maintenance)
	13	Craft Instructor (Mechanic Agricultural Machinery)
	14	Craft Instructor (Maintenance Mechanic Chemical Plant)
	15	Craft Instructor (Pump Operator cum Mechanic)
	16	Craft Instructor (Operator Advance Machine Tools)
	17	Craft Instructor (Plastic Processing Operator)
	18	Craft Instructor (Tool and Die Maker-Dies and Moulds)
	19	Craft Instructor (Tool and Die Maker-Press Tools, Jigs and Fixtures)
	20	Craft Instructor (Draughtsman Mechanical)
Group-B	21	Craft Instructor (Electrician)
	22	Craft Instructor (Wireman)
	23	Craft Instructor (Instrument Mechanic)
	24	Craft Instructor (Instrument Mechanic Chemical Plant)
	25	Craft Instructor (Attendant Operator Chemical Plant)
	26	Craft Instructor (Electronics Mechanic)
	27	Craft Instructor (Electroplater)
	28	Craft Instructor (Computer Operator and Programming Assistant)
	29	Craft Instructor (Desktop Publishing Operator)
	30	Craft Instructor (Information and Communication Technology System Maintenance)
Group-C	31	Craft Instructor (Painter General)
	32	Craft Instructor (Surveyor)
	33	Craft Instructor (Foundryman)
	34	Craft Instructor (Mason-Building Constructor)
	35	Craft Instructor (Carpenter)
	36	Craft Instructor (Draughtsman Civil)
	37	Craft Instructor (Architectural Draughtsman)
	38	Craft Instructor (Sewing Technology)
	39	Craft Instructor (Dress Making)
	40	Craft Instructor (Cosmetology)
	41	Craft Instructor (Fashion Design and Technology)
	42	Craft Instructor (Surface Oranamentation Techniques-Embroidary)
	43	Craft Instructor (Food Production-General)
	44	Craft Instructor (Interior Design and Decoration)
	45	Craft Instructor (Secretarial Practice-English)
	46	Craft Instructor (Stenographer Secretarial Assistant-English)
	47	Craft Instructor (Architectural Draughtsmanship)
	48	Craft Instructor (Stenography-Marathi)

Directorate of Vocational Education and Training, M.S., Mumbai-400001.

Industry 4.0, Advance Module

Common syllabus for Group-A, Group-B and Group-C

Sr.No.	Name of the Topic
1	Introduction to Historical context of Industry 4.0
2	Intrduction to General Framework of Industry 4.0
3	Application areas of Industry 4.0
4	Artificial Intillegence
5	Internet of things
6	Industrial Internet of things
7	Additive Manufacturing
8	3D Printing
9	Robotization and Automisation
10	Augmented and Virtual Reality
11	Drone Technology and It's application
12	Financial Literacy and Entrepreneurship Development

Syllabus for Group-A

Sr.No.	Name of the Topic
1	Electric Vehicles
2	CNC Machines
3	Components of Internet of Things
4	Challenges in Internet of Things
5	Green Engineering
6	Autonomus Vehicles
7	Vehicle Connectivity

Syllabus for Group-B

Sr.No.	Name of the Topic
1	Cyber Physical System
2	Various types of Sensors
3	Cloud Computing
4	Types of Electric energy Storages
5	Renewable Sources of Energy
6	Virtual Reality
7	Block Chain Technology

Syllabus for Group-C

Sr.No.	Name of the Topic
1	Digital Marketing-Content Marketing, Influencer Marketing, Social Marketing etc.
2	Computer Aided Design and Computer Aided Drafting
3	Cyber Security
4	Intellectual Property Rights
5	Green Engineering
6	Renewable Energy Sources
7	Automation