



GOVERNMENT OF PAKISTAN  
NATIONAL VOCATIONAL & TECHNICAL  
TRAINING COMMISSION  
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Islamabad, 26<sup>th</sup> February 2025

**NOTIFICATION**

No. F.2(4)/2020-S&C(Notification): NAVTTTC is pleased to notify the Standardized Qualification Criteria for Trainers of following 10 Sectors to engage in PM Youth Skills Development Program. Names of Trades are as under: -

Sector Name: Aesthetics, Health Care and Services Sector				
Sr. #	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Assistant Technician (Orthotics and Prosthetics)	6 Months	Matric	Intermediate along with a Diploma/ Certificate in Orthotics and Prosthetics having 3 years of clinical /workshop experience. OR BS in Prosthetics and Orthotics Technology having 2 years of teaching experience in clinical /workshop.
2	Auto Electrician	6 Months	Matric (Science)	Intermediate along with 1 years Diploma/ Certificate in Auto Electrician having 3 years of experience in working with modern automotive electrical systems, including hybrid and electric vehicles. OR BE Electrical/Mechanical Engineering having 2 years of experience in automotive electrical systems, including hybrid and electric vehicles.
3	Auto Mechanic (Diesel / Petrol)	6 Months	Matric (Science)	Matric along with 1 years Diploma in Auto Mechanic having 5 years relevant experience

				OR DAE Automotive / Mechanical having 3 years of relevant experience OR BE in Automotive / Mechanical Engineering having 1 year of experience in diesel and petrol engine repair, maintenance, and diagnostics.
4	Automotive Mechatronics	6 Months	Matric (Science)	DAE in Automotive/Mechatronics having 3 years of experience OR BE in Automotive/ Mechatronics Engineering having 1 year of experience in Automotive Diagnostics, Electrical Systems, and Mechatronics.
5	Beautician	6 Months	Matric	Intermediate along with 1 year certificate in Beautician having 3 years experience in a reputed salon. OR Intermediate along with 6 months Certificate in Beautician having 5 years experience in a reputed salon.
6	Beauty therapy, Hair styling and skin care	6 Months	Matric	Intermediate along with a 1 years certificate in Beautician having 3 years experience in a reputed salon. OR Intermediate along with 6 months Certificate in Beautician having 5 years experience in a reputed salon.
7	Care Worker	6 months	Matric	BS in Public Health/ MLT/Nursing/ Health Technician having 2 years relevant experience
8	Ceramics Manufacturing and Miniature Arts	6 Months	Middle	DAE in Glass, Ceramics & Pottery having 3 years of relevant experience
9	Computer Applications (Jaws Software)	6 Months	Middle	Bachelors in Special Education, Computer Science along with Certification in Assistive Technology or JAWS software having 1 year relevant experience.



10	Computerized Brail Composition	3 Months	Middle	Bachelors in Special Education, Computer Science along with a Certification in Braille literacy and Assistive Technology having 1 year relevant experience.
11	Creative Arts(Miniature Painting)	6 Months	Matric	Bachelor of Fine Arts having 3 years relevant experience. OR Masters in Fine Arts having 1 year relevant experience.
12	Domestic Electrical Appliances Technicians	6 Months	Middle	DAE Electrical /Electronics having 3 years of relevant experience
13	Domestic Worker	3 Months	literate	Intermediate along with a certificate in housekeeping/ cooking/ childcare having 3 years experience. OR BSc Home Economics having 1 year relevant experience.
14	Early Childhood Education	6 months	Matric	Intermediate along with a 1 year Diploma in Montessori/ ECCE having 3 years of experience. OR BS with Child Development & Psychology Education/Bachelor along with a 1year Certificate in Early Childhood Education having 1 year Experience.
15	Gym Trainer	3 months	Matric	Intermediate along with Diploma/ Certification in relevant field having 3 years experience as fitness/ Gym trainer or coach. OR Bachelors in Sports Sciences/Physical Education having 1 year of Professional experience as a fitness/ Gym trainer or coach.
16	High-tech Automotive Technician	6 Months	Matric (Science)	DAE Automotive / Mechatronics/ Electronics Engineering having 3 years of hands-on experience in high-tech automotive systems, diagnostics, and vehicle electronics. OR BE Automotive / Mechatronics/ Electronics Engineering having 1 years experience in high-tech automotive systems, diagnostics, and vehicle electronics.
17	Home Appliance Repair & Maintenance	6 months	Middle	DAE Electrical/Electronics having 3 years of relevant experience



18	Intelligent Hybrid & Electric Vehicles	3 months	Matric (Science)	DAE Electrical/ Automotive Engineering along with 3 years of relevant experience OR BE in Automotive / Electrical Engineering /having 3 years of experience in Hybrid & Electric Vehicles (HEV/EV) maintenance, diagnostics, and battery management systems.
19	Mobile Phone Repairing	3 months	Matric	Matric along with Certificate in Mobile Repair having 5 years experience in Mobile Phone Repairing. OR DAE Electronics having 3 years of experience in Mobile Phone repair.
20	Motorcycle Mechanic	6 Months	Matric	Intermediate with 1 years Diploma/ Certificate in Motorcycle /Auto Mechanic having 3 years of experience in motorcycle repair, maintenance, and diagnostics. OR Bachelors in Mechanical /Automotive Engineering having 1 year relevant experience.
21	Offset Printing	6 Months	Matric	Matric along with Diploma/ Certificate in Offset Printing having 5 years of experience in Offset Printing Techniques, Color Separation, Platemaking, and Press Operation. Knowledge of Printing Inks, Papers, and Color Management.
22	Overhead Crane Operator in the shipping industry	3 Months	Matric	DAE Mechanical having 3 years of experience in Heavy Machinery Handling, Rigging, and load management in shipyards
23	Post Printing Operations	6 Months	Middle	Matric along with Diploma/ Certificate in Post Printing Operations having 5 years of experience in cutting, folding, binding, and finishing having Knowledge of printing equipment and materials.
24	Printing & Packaging Technology	3 months	Matric	DAE in Printing and Packaging Technology having 3 years of Experience in printing processes, and packaging design. OR Intermediate with Diploma/ Certificate in Printing and packaging Technology having 5 years of experience in Printing & Packaging processes

25	Security Guard	3 months	Middle (English, Urdu, and Numeracy reading and writing skills)	Matric must be ex-army /ex-police personnel having 3 years experience in Security Agencies, preferably having security-related courses.
26	Sports Trainer	3 months	Matric	Intermediate with Diploma/ Certification in relevant field having 3 years of experience as a fitness trainer or coach. OR Bachelors in Sports Sciences/Physical Education having 1 year of professional experience as a fitness trainer or coach.
<b>Sector Name: Agriculture &amp; Livestock</b>				
Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Agri-Business	3 Months	Matric	Intermediate along with 1 year Diploma in Agriculture Sciences with 3 years of relevant experience OR B.Sc (Hons) Agriculture having 1 year relevant experience
2	Agriculture Farm Assistant/ Manager	6 Months	Intermediate	Intermediate along with 1 year Diploma in Agriculture Sciences with 3 years of relevant experience OR B.Sc (Hons) Agriculture having 1 year relevant experience
3	Agriculture soil and water testing	6 Months	Matric	Intermediate along with a Diploma in Field Assistant / Agriculture having a relevant field with 3 years relevant experience OR B.Sc (Hons) Agriculture/ Agri Engineering having 1 year of relevant experience.
4	Animal Disease Control	3 Months	Matric	DVM having 2 years relevant experience. OR Masters in Epidemiology/ Microbiology/ Pathology
5	Applied GIS (Geographic Information System)	3 Months	Intermediate (FSC / ICS)	B.Sc (Hons) Agri Engineering having 3 years relevant experience OR M.Sc Agriculture/ Agri Engineering Agri Engineering having 1 year relevant experience

6	Artificial Insemination	3 Months	Matric	DVM having 2 years of relevant experience in a relevant field OR M. Phil Theriogenology
7	Dairy farm manager and dairy business	3 Months	Matric	BS Animal Husbandry / DVM having 2 years relevant experience. OR M. Phil Livestock Production.
8	Data Processing	3 Months	Middle	Intermediate along with Diploma in Field Assistant having 3 years relevant experience in relevant field OR B.Sc (Hons) Agriculture/ Agri Engineering having 1 year relevant experience.
9	Digital and Precision Agriculture	3 Months	Intermediate (FSC / ICS)	B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience OR M.Sc Agriculture/ Agri Engineering having 1 year of relevant experience.
10	Drone Applications in Agriculture	3 Months	Intermediate (FSC / ICS)	B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience OR M.Sc Agriculture/ Agri Engineering with 1 year of relevant experience
11	Fish Farming	3 Months	Middle	BS Zoology/ BS Fisheries & Aquaculture having 2 years relevant experience.
12	Fruit Plants Pruning, Budding & Layering Techniques	3 Months	Matric	Intermediate along with Diploma in Field Assistant / Agriculture having 3 years relevant experience. OR B.Sc (Hons) Agriculture/ Agri Engineering having 1 year relevant experience.
13	Honey bee farm manager	3 Months	Middle	BS Zoology/ BS Wildlife having 2 years relevant experience in a relevant field.

14	Hybrid Seed Production & Contract Farming	3 Months	Intermediate	B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience OR M.Sc Agriculture/ Agri Engineering having 1 year of relevant experience.
15	Hydroponic Farming	3 Months	Matric	Intermediate along with Diploma in Field Assistant / Agriculture having a relevant field with 3 years relevant experience OR B.Sc (Hons) Agriculture/ Agri Engineering having 1 year relevant experience.
16	Integrated Pest Management	6 Months	Matric	B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience OR M.Sc Agriculture/ Agri Engineering having 1 year of relevant experience.
17	Kitchen Gardening	3 Months	Matric	Intermediate along with a Diploma in Field Assistant having 3 years of relevant experience. OR B.Sc (Hons) Agriculture/ Agri Engineering having 1 year relevant experience.
18	Livestock Manager	6 Months	Middle	BS Animal Husbandry /DVM having 2 years relevant experience. Or M. Phil livestock Production/Animal Nutrition.
19	Mushroom cultivation	3 Months	Matric	Intermediate along with a Diploma in Field Assistant / Agriculture with the relevant field having 5 years relevant experience. OR B.Sc (Hons) Agriculture/ Agri Engineering having 1 year relevant experience.
20	Pesticide & Fertilizer technician	6 Months	Middle	Intermediate along with Diploma in Field Assistant / Agriculture with relevant field with 3 years of relevant experience OR

				B.Sc (Hons) Agriculture/ Agri Engineering having 1 year relevant experience OR M.Sc Agriculture/ Agri Engineering relevant experience will be preferred.
21	Poultry farm manager	3 Months	Middle	BS Animal Husbandry /BS poultry Sciences/ DVM having 2 years relevant experience. OR M. Phil Livestock Production.
22	Poultry Housing & Management	3 Months	Matric	BS Animal Husbandry /BS Poultry Sciences/ DVM having 2 years relevant experience. OR M. Phil Livestock Production.
23	Remote Sensing Applications in Agriculture	3 Months	Intermediate (FSC / ICS)	B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience OR M.Sc Agriculture/ Agri Engineering having 1 year of relevant experience.
24	Smart IoT Technologies for Agriculture	3 Months	Intermediate (FSC / ICS)	B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience OR M.Sc Agriculture/ Agri Engineering having 1 year of relevant experience.
25	Tissue Culture	3 Months	Diploma in Agriculture OR BSc In Agriculture	M.Sc Agriculture/ Agri Engineering having 1 year of relevant experience
26	Tractor Driver and Mechanic	6 Months	Matric	DAE Auto Farm having 3 years of relevant experience OR BE Mechanical having 3 years relevant experience.
27	Tunnel Farming	3 Months	Matric	Intermediate along with Diploma in Field Assistant / Agriculture having a relevant field with 5 years of relevant experience OR B.Sc (Hons) Agriculture/ Agri Engineering having 3 years of relevant experience.

28	Veterinary, Poultry & Dairy Assistants	3 Months	Matric (Science)	BS Animal Husbandry /DVM having 2 years relevant experience. Or M. Phil livestock Production / Animal Nutrition.
<b>Sector Name: Construction with Electrical Energy</b>				
Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Building Electrician	6 Month	Middle	DAE in Electrical having 3 years relevant experience. OR Intermediate along with 1 year certificate in Electrician having 5 years of relevant experience. OR Bachelor Electrical Engineering/ Technology having 1 year relevant experience.
2	Scaffolding	6 Month	Primary	DAE in Civil/ Mechanical having 3 years of relevant experience. OR Intermediate along with 6 Months Certificate in Scaffolding having 5 years of relevant experience.
3	Shuttering Carpenter	6 Month	Primary	DAE Civil having 3 years relevant experience. OR Intermediate along with 6 Months Certificate in Shuttering having 5 years of relevant experience.
4	Duct Fabricator	6 Month	Primary	DAE in Mechanical / HVACR having 3 years of relevant experience OR Intermediate along with 1 year Certificate in HVACR having 5 years of relevant experience.
5	Steel Fixer	6 Month	Middle	DAE in Civil /Mechanical Technology, having 3 years of relevant experience. OR Intermediate along with 6 Months Certificate in Steel Fixer having 5 years of relevant experience.

6	Mason	3 Month	Primary	DAE in Civil having 3 years of relevant experience. OR Intermediate along with 6 Months Certificate in Mason having 5 years of relevant experience.
7	Building Painter	3 Month	Primary	DAE in Civil, having 3 years experience. OR Intermediate along with Certificate in Painter having 5 years of relevant experience.
8	Sheet Metal	6 Month	Primary	DAE in Mechanical/Metallurgy having 3 years of experience OR Intermediate along with certificate in Sheet Metal having 5 years of relevant experience.
9	Heating Ventilation, Refrigeration & Air Conditioning(HVACR)	6 Month	Middle	DAE in Mechanical / HVACR having 3 years of relevant experience OR Intermediate along with 6 Months certificate in HVACR having 5 years experience. OR BE in Mechanical having 1 year of experience.
10	Plumber/ Pipe Fitter	3 Month	Middle	DAE in Civil / Mechanical having 3 years of relevant experience. OR Intermediate along with Certificate in Plumbing / Pipe Fitting having 5 years of relevant experience.
11	Plumbing & Solar Water Heating Technician	6 Month	Middle	DAE in Civil / Mechanical having 3 years of relevant experience. OR Intermediate along with 6 Months Certificate in Plumbing having 5 years experience.
12	Welder (TIG, SMAW, MIG, SAW)	6 Month	Middle	DAE in Metallurgy/Mechanical, having 3 years relevant Technique experience. OR Intermediate along with 6 Months Certificate in Welding having 5 years of relevant Technique experience.

				OR Bachelor Metallurgy/Mechanical having 1 year experience.
13	Construction Material Testing Technician	6 Month	Matric (Science)	DAE in Civil having 3 years of relevant experience OR Intermediate along with 6 Months Certificate in Construction Material Testing having 5 years of relevant experience. OR BE in Civil Engineering having 1 year of relevant experience.
14	Advanced Welding	6 Month	Middle	DAE in Metallurgy/Mechanical having 3 years of relevant experience. OR Intermediate along with 1 year certificate in Welding having 3 years of relevant technique experience. OR BE Metallurgy/Mechanical having 1 year experience.
15	Interior Designing	3 Month	Intermediate	DAE in Architecture having 3 years of relevant experience. OR Intermediate along with 6 Months Certificate in Interior Design having 5 years of relevant experience. OR Bachelor Architecture/Interior Design having 1 year of relevant experience.
16	Advance Survey (Civil)	6 Months	DAE (Civil)/ Intermediate with 6 Month certificate in Civil Surveyor	DAE in Civil having 3 years of relevant experience. OR Intermediate along with a 1 years certificate in Civil Surveyor having 5 years of relevant technique experience. OR Bachelor Civil Engineering having 1 year relevant experience.
17	General Electrician	6 Months	Middle	DAE in Electrical, having 3 years relevant experience. OR Intermediate with 1 year certificate in electrician having 5 years of relevant experience. OR



				Bachelor Electrical Engineering/ Technology having years of relevant experience.
18	Fiber Optic Technician	3 Months	Matric	DAE in Electronics/ Electrical / Telecom having 3 years of relevant experience. OR Intermediate along with 1 year certificate of Fiber Optic Technician having 5 years of relevant experience. OR Bachelor in Electronics/ Electrical / Telecom Engineering/ Technology having 1 year of relevant experience.
19	Advanced Electronics (PCB Design & Fabrication)	6 Months	Matric (Science)	DAE in Electronics/ Electrical having 3 years of relevant experience. OR Intermediate along with 6-month Certificate of advanced Electronics (PCB Design) having 5 years of relevant experience. OR BE in Electronics/ Electrical having 1 year of relevant experience.
20	Advance Embedded system	6 Months	Matric	DAE in Electronics/Electrical/Mechatronics having 3 years of relevant experience. OR Intermediate along with 6 Months certificate of Advance Embedded System along with 5 years of relevant experience. OR BE Electronics/ Electrical/Computer /Mechatronics Engineering having 1 year relevant experience.
21	Renewable Energy Systems (Solar/Biomass/Wind)	6 Months	Matric	DAE Electrical/ Electronics having 3 years relevant experience. OR Intermediate along with 6 Months Certificate in Electrical/Electronics having 5 years of relevant experience. OR Bachelor Electrical/Electronics Engineering/ Technology having 1 years relevant experience.



22	Micro Hydel Power Plant Technician	3 Months	Matric (Science)	DAE in Electrical/ Mechanical, having 3 years relevant experience. OR Intermediate along with 6 Months certificate in Electrical/Mechanical having 5 years of relevant experience. OR Bachelor Electrical/Mechanical Engineering/ Technology having 1 year relevant experience.
23	Advanced Electrical Power System	3 Months	DAE (Electrical/Electronics)	Bachelor Electrical/Electronics Engineering/ Technology having 3 years relevant experience
24	Industrial Automation (PLC/HMI/SCADA)	3 Months	DAE (Electrical/Electronics)	DAE in Electrical/Electronics/Mechatronics, having PLC, SCADA Certification having 3 years relevant experience. OR Bachelor Electrical/Electronics Engineering/ Technology having 1 years relevant experience
25	Auto Mechanic (Heavy Machinery)	6 Month	Intermediate	DAE in Electrical/Electronics/Mechatronics, having PLC, SCADA Certification having 5 years relevant experience. OR Bachelor Electrical/Electronics Engineering/ Technology having 3 years relevant experience

**Sector Name: Banking & Finance Sector**

Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	AI for Banking	2 Months	Bachelor in Commerce/Economics/Statistics/Banking/Finance/ACCA/CS/IT/Maths/ICMA inter/CA Inter/PIPPA/BBA/AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	Bachelors in AI/ IT/CS/Data science having 3 years relevant experience Or Bachelors in Finance/ Economics/ Statistics having courses/ certification in AI along with relevant 3 years of experience Or Masters in AI/ IT/CS/Data science having 1 year relevant experience Or

				Masters in Finance/ Economics/ Statistics having courses/ certification having 1 year relevant experience
2	AI for Financial Institutes	2 Months	Bachelor in Commerce/Economics/statistics/Banking/Finance/ACCA/CS/IT/Maths/ICMA inter/CA Inter/PIPPA/BBA/ AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	Masters in AI/ IT/CS/Data science having relevant 1 year experience Or Masters in Finance/ Economics/ Statistics having courses/ certification in AI having relevant 1 year experience Or Bachelors in AI/ IT/CS/Data science along with relevant 3 years experience Or Bachelors in Finance/ Economics/ Statistics having courses/ certification in AI having relevant 3 years of experience
3	AI-Enabled Data Analysis for Accountants & Auditors	2 Months	Bachelor in Commerce/Economics/Statistics/Banking/Finance/ACCA/CS/IT/Maths/ICMA inter/CA Inter/PIPPA/BBA/ AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	Masters in AI/ IT/CS/Data Science/ Data analytics having relevant 1 year experience in data analysis Or Masters in Finance/ Economics/ Statistics having courses/ certification in AI having relevant 1 year experience in data analysis Or Bachelors in AI/ IT/CS/Data Science/ Data analytics having relevant 3 years of experience in data analysis Or Bachelors in Finance/ Economics/ Statistics having courses/ certification in having relevant 3 years of experience in data analysis
4	Anti-Money Laundering	2 Months	Bachelor in LLB/ AI/ Commerce/Economics/statistics/Banking/Finance/ACCA/CS/IT/Maths/ICMA inter/CA Inter/PIPPA/BBA/ Fintech/Banking &	LLM/ MBA/ Masters in Finance/ Economics/ Statistics/AI/ Data Science having 1 year relevant experience Or Bachelor in Finance/ Economics/ Statistics/ Data science having 3 years of relevant experience.



			Finance/Accounting & Finance/ Business Analytics	
5	Cyber Security for Financial Institutions	2 Months	Bachelor in LLB/ AI/ cyber security/information security/Commerce/Economics /Statistics/Banking/Finance/A CCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	Masters in cyber security/ Information security/ AI/ IT/CS/Data science having 1 year relevant experience in cyber security. Or Masters in Finance/ Economics/ Statistics having courses/ certification in AI having 1 year relevant experience in cyber security. Or Bachelors in cyber security/ Information security/ AI/ IT/CS/Data science relevant 3 years relevant experience in cyber security. Or Bachelors in Finance/ Economics/ Statistics having courses/ certification in having 3 years relevant experience in cyber security.
6	Data Analysis using Python	2 Months	Bachelor in Commerce/Economics/Statistics/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	MBA/ Masters in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having relevant 1 year experience in Python programing Or Bachelor in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having relevant 3-years experience in Python programing
7	Diploma in Financial Market (software-based)	4 Months	Bachelor in Commerce/Economics/Statistics/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	MBA/ Masters in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having relevant 1 year experience Or Bachelor in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having relevant 3 year experience
8	Introduction to Financial Market	4 Months	Bachelor in Commerce/Economics/Statistic	MBA/ Masters in Finance/ Economics/ Statistics/ Data science having 1 year relevant experience



			s/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	Or Bachelor in Finance/ Economics/ Statistics/ Data science having 3 year relevant experience
9	Investing in Stock Market	2 Months	Bachelor in Commerce/Economics/statistic s/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	Bachelor in Commerce/Economics/statistics/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ Fintech/Banking & Finance/Accounting & Finance/ Business Analytics /Business relevant degree having 3 years relevant experience
10	Microsoft Power BI	4 Months	Bachelor in Commerce/Economics/Statistic s/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	MBA/ Masters in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having 1 year relevant experience Or Bachelor in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having 3 years relevant experience Or Power BI certified professional along with bachelor degree having 3 years relevant experience.
11	MS Power Bi & Data Analyst Professional Certificate	2 Months	Bachelor in Commerce/Economics/statistic s/Banking/Finance/ACCA/ CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ AI/Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	MBA/ Masters in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having relevant 1 year experience Or Bachelor in AI/ IT/CS/ Finance/ Economics/ Statistics/ Data science having relevant 3 years experience Or Power BI certified professional along with bachelor degree having 3 years relevant experience.
12	SAGE (Financial Software)	2 Months	Intermediate	Bachelor along with relevant certificate having 1 year relevant experience

13	TALLY	2 Months	Intermediate	Bachelor along with relevant certificate having 1 year relevant experience
14	Valuation of Companies: IOPs, Mergers, Acquisitions & Corporate Restructuring	2 Months	Bachelor in Commerce/Economics/statistics/Banking/Finance/ACCA finalist / CS/IT/Maths/ICMA inter/CA Inter/PIPFA/BBA/ Fintech/Banking & Finance/Accounting & Finance/ Business Analytics	ACCA/CA/ ACMA/ MBA/ Masters in Finance/ Economics/ Statistics/ Data science having relevant 1 years experience Or Bachelor in Finance/ Economics/ Statistics/ Data science having relevant 3 year of relevant experience

**Sector- Driving (LTV,HTV,HMO)**

Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	HTV Driver	3 Months	Middle	Intermediate along with Certificate in Driving from Reputed Institute having 3 Year HTV Driving experience. OR Matric with Certificate in Driving From Reputed Institute having 5 year HTV Driving experience.
2	LTV Driver	3 Months	Middle	Intermediate with Certificate in Driving from Reputed Institute having 3 year LTV Driving experience. OR Matric with Certificate in Driving From reputed Institute having 5 Year LTV Driving experience.
3	Bulldozer and Motor Grader Operator	3 Months	Middle	Intermediate along with 3/6 Months certificate in relevant trade having 3 years relevant experience. OR Matric along with 3/6 Months certificate in relevant trade having 5 years relevant experience.
4	Excavator and wheel Operator	3 Months	Middle	Intermediate along with 6 Months certificate in relevant trade having 3 years relevant experience. OR

				Matric along with 3 Months certificate in relevant trade having 5 years experience in relevant field.
5	Mobile Crane Operator	3 Months	Middle with LTV License	Intermediate along with 3/6 Months certificate in relevant trade having 3 years experience in relevant field. OR Matric along with 3/6 Months certificate in relevant trade having 5 years experience in relevant field.
6	Road Roller and Fork Lifter	3 Months	Middle	Intermediate along with 3/6 Months certificate in relevant trade having 3 years experience in relevant field. OR Matric along with 3/6 Months certificate in relevant Trade having 5 years experience in relevant field.

**Sector Name: Hospitality and Tourism**

Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Baking & Pastry	6 Months	Matric	Intermediate along with at least 6 months Diploma/ certificate in Baking & Pastry having 5 years of experience in Baking and Pastry OR Bachelor in Baking & Pastry having 3 years of experience in Baking and Pastry
2	Barista Skills	3 Months	Matric	Intermediate along with at least 6 months Diploma/ certificate in Food and Beverage having 5 years of experience as a barista having Knowledge of coffee brewing techniques and fast food service. OR Bachelor in Food and Beverage having 3 years of experience as a barista having knowledge of coffee brewing techniques and fast food service
3	Basic House Keeping	3 Months	Matric	Matric along with certification in Hospitality Management having 8 years of hands-on experience in hotel housekeeping operations and Expertise in hygiene and cleaning standards

				OR Intermediate along with certification in Hospitality Management having 5 years of hands-on experience in hotel housekeeping operations and Expertise in hygiene and cleaning standards.
4	Culinary Arts- Chef De Partie	6 Months	Matric	Intermediate along with Higher Diploma in Culinary Arts having 5 years of experience in professional kitchens, including roles in food preparation and kitchen management. OR Bachelor in Culinary Arts having 3 years of experience in professional kitchens, including roles in food preparation and kitchen management
5	Event Management (Catering / Cooking)	6 Months	Intermediate	Intermediate along with International Diploma in Hospitality/Hotel Management having 3 years of experience in event planning & catering services & Proficiency in reservation systems and communication OR Bachelor degree in Hospitality/Hotel Management having 1 years of experience in event planning & catering services. Proficiency in reservation systems and communication.
6	Food and Beverage Services	6 Months	Matric	Intermediate along with Diploma/ certificate in Food and Beverage Service/Hospitality Management having 3 years experience of experience in F&B operations. Knowledge of menu planning and customer service training OR Bachelor Hospitality/Hotel Management Food and Beverage Service or Hospitality Management having 1 years experience in F&B operations. Knowledge of menu planning and customer service training
7	Food Packaging and Quality Control	6 Months	Intermediate	DAE In Food Technology/ Food Processing & Preservation Technology having 5 years relevant experience. OR Bachelor in Food Processing & Food Preservation Technology having 1 years relevant experience.

8	Food Technology (Preservation and Processing)	6 Months	Intermediate	DAE in food technology/ food processing & preservation technology having 5 years relevant experience. OR Bachelor in food processing & food preservation technology having 3 years relevant experience.
9	Front Desk Manager/ Receptionist	6 Months	Intermediate	Intermediate along with International Diploma in Hospitality/Hotel Management having 3 years of experience in hotel front desk or customer service. Proficiency in reservation systems and communication OR Bachelor degree in Hospitality/Hotel Management 1 years of experience in hotel front desk or customer service. Proficiency in reservation systems and communication OR Master in Hospitality/Hotel Management experience preferable.
10	Professional Cook	3 Months	Matric	Intermediate along with at least 6 months Diploma/ certificate in Culinary Arts having 3 years of experience in Professional Kitchens, including roles in Food Preparation & Kitchen Management. OR Bachelor Culinary Arts having 1 years of experience in Professional Kitchens, including roles in Food Preparation & Kitchen Management.
11	Restaurant Manager	6 Months	Intermediate	Bachelor in Tourism Management/Hospitality Management having 1 years of relevant experience OR Master's degree in Tourism Management/Hospitality management having 1 years of relevant experience
12	Travel and Tourism Manager Program	6 Months	Intermediate	Intermediate along with Diploma in Travel and Tourism having 3 years of experience in travel and tourism operations having Certification in global distribution systems (GDS) OR

Bachelors in Travel and Tourism having 1 years of experience in travel and tourism operations along with Certification in global distribution systems (GDS).

**Sector-Information Technology (IT)**

**High-Tech**

Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Advance Web application Development	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE/Statistics/Maths/Physics having 3 years experience in Web Applications Design & Development
2	Advanced Python Programming & Applications	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE/Statistics/Maths/Physics having 3 years experience in Core Python Programming/Python Framework
3	Android Java	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years of experience in Android Application Development using JAVA Programming/Frameworks
4	Artificial Intelligence (Machine Learning; Deep Learning; Communication)	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester	Bachelor in Computer Science/IT/SE/EEE/AI or a related field having 3 years expertise machine learning/ deep learning/ natural language processing/ proven industry experience in AI applications.

			students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	
5	Artificial Intelligence (Robotics)	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor in Computer Science/ Robotics/EEE/ SE/AI/ mechatronics having experience of 3 Years in relevant field in IoT/ ML/ AI programing with focus on robotics.
6	Big Data Analytics Techniques	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ Data Science/Data analytics/economics/ statistic/ mathematics having 3 years experience in data analytics/ big data technologies (Hadoop, Spark, etc.) /Data mining/ Data Processing.
7	Block Chain Programming	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years of experience in Python Programming, Block Chain technologies, cryptography, and smart contract development
8	Cloud Computing - AWS	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in cloud computing/ AWS services/ cloud architecture Or professional certification in AWS Certified Solutions Architect OR Bachelor along with AWS Certified Developer having 3 years relevant experience in cloud computing/ AWS services/ cloud architecture
9	Cloud Computing - Google	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Ph	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in cloud computing/ Google cloud platform services/

			ysics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	cloud architecture OR Bachelor along with Professional certification in Google Cloud Certified Professional Cloud Architect or Google Cloud Certified Professional Data Engineer having 3 years relevant experience in cloud computing/ Google cloud platform services/ cloud architecture
10	Cloud Computing - Microsoft	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in cloud computing/ Microsoft AZURE services/ cloud architecture OR Bachelor along with Professional certification in Microsoft Certified: Azure Fundamentals or Microsoft Certified: Azure Administrator Associate having 3 years relevant experience in cloud computing/ Microsoft AZURE services/ cloud architecture
11	Cyber Security (CEH, CHFI)	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE /Cybersecurity having 3 years experience in network security/ ethical hacking/ digital forensics. OR Bachelor along with Professional Certification in network security/ ethical hacking/ digital forensics having 3 years relevant experience.
12	Data Mining / Business Intelligence	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	MBA/ Masters in CS/ IT/EEE/ Economics/ Statistics/ Data Science/Data Analytics having 1 year experience in Data Mining and Processing OR Bachelor in CS/ IT/EEE/ Economics/ Statistics/ Data Science/Data Analytics having relevant 3 years experience in Data Mining and Processing OR Bachelor along with Power BI certified professional having 3 years of experience in Data Mining and Processing

13	Digital Forensic & Cyber Security	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE /Cybersecurity having 3 years experience in network security/ ethical hacking/ digital forensics. OR Bachelor along with Professional certification in network security/ ethical hacking/ digital forensics having 3 years relevant experience.
14	Docker Certified Associate	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE along with Docker Professional Certification having 3 years of experience as a DevOps Professional
15	Google UX Design	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/Design/Graphic Design having 3 years of experience in user experience (UI/UX) design principles, Wire framing/prototyping, and user interface design tools like Adobe XD,Figma, or Sketch
16	Internet of Things (IOT) system development and Application	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in IoT protocols (MQTT/CoAP), sensor technologies, and cloud platforms (AWS IoT/ Azure IoT Hub).
17	JavaScript Full stack (e.g. MEAN/MERN)/	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC	Bachelor Computer Science/ SE/ IT/EEE/Statistics/Maths/Physics having 3 years experience with MEAN/MERN Framework

			approved degree program in IT/CS/MIS/Stats/Maths	
18	Microsoft .Net + Angular / React	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in ASP.NET, .NET frameworks, C#, and Frontend frameworks Angular/React.
19	Microsoft Dynamics 365	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in CRM, ERP, and business process automation. Knowledge of Microsoft Dynamics 365 modules like Sales, Marketing, Service, and Finance.
20	Network Administrator (CISCO, HUAWEI, IBM)	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience as Network Administrator/Network Architecture/Network Solution Expert OR Bachelor along with Professional certification in Cisco, Huawei, or IBM certifications having 3 years experience as a Network Administrator/Network Architecture/Network Solution Expert
21	Oracle Database SQL or PL/SQL	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in database design/administration, SQL programming, and PL/SQL development.
22	Oracle Java+ Angular	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in Java programming, Oracle database, and Angular framework.



			Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	
23	Salesforce Certified Administrator	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE/Economics/Business/Marketing along with Professional Salesforce Certified Administrator certification having 3 years experience in Salesforce administration, configuration, and customization.
24	Unity Certified Game Development	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats /Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years experience in game development using Unity, including 3D modeling, animation, scripting, and game engine optimization.
25	Unreal Engine Certification	3 Months	Bachelor in IT/ CS/ Maths/Statistics/Economics/Physics or Bachelor of Engineering or 5th Semester students enrolled in HEC approved degree program in IT/CS/MIS/Stats/Maths	Bachelor Computer Science/ SE/ IT/EEE having 3 years of experience in game development using Unity/Unreal Engine, including 3D modeling, animation, scripting, and game engine optimization
<b>High-End</b>				
26	3D Animation (Realistic rendering)	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/Video Production/Animation/Computer Graphic/Visual Art/Mass Com. having 3 Years experience in 3D modeling, animation, virtual reality and rendering techniques, 3Ds Max, Maya, Blender, and rendering engines like V-Ray or Arnold along with presentable portfolio

27	3D Animation VR & Simulation	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/Video Production/Animation/Computer Graphic/Visual Art/Mass Com. having 3 years experience in 3D modeling, animation, virtual reality and rendering techniques, 3Ds Max, Maya, Blender, and rendering engines like V-Ray or Arnold along with presentable portfolio
28	Advanced CAD/CAM	3 Months	Intermediate	Bachelor Mechanical Engineering/Design Engineering/Mechatronics having 3 years experience of CAD/CAM software like SolidWorks/AutoCAD/Fusion 360 along with Experience in product design, manufacturing, and CNC machining.
29	Amazon Virtual Assistant	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/EEE/Business/Marketing having 3 years Experience in customer service, administrative tasks, along with office tools like Microsoft Office Suite and Google Workspace. Strong communication and organizational skills.
30	Certificate in IT (Web Development)	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/EEE/Statistics/Maths/Physics having 3 years experience in Web Applications Design & Development
31	Certificate in Office Management	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/EEE/Business/Marketing/Economics having 3 years experience in Office Management/MS Office Suite OR Bachelor along with Certified MS Professional having Bachelor degree/DAE having 3 years experience in Office Management/MS Office Suite
32	Digital Marketing & Search Engine Optimization (SEO)	3 Months	Intermediate	Bachelor Computer Science/Marketing/ Business/IT having 3 years experience in digital marketing, SEO, SEM, social media marketing, and content marketing. Knowledge of SEO tools and analytics platforms.
33	Documentary & Film Making (Digital Broadcasting)	3 Months	Intermediate	Bachelor Filmmaking/Media Sciences having 3 years experience in filmmaking, scriptwriting, directing, cinematography, and video editing, digital broadcasting techniques and equipment.



34	eCommerce	3 Months	Intermediate	Bachelors/Marketing/ Business/IT having three years Experience in e-commerce, online marketing, and digital sales.
35	Graphic Design (Print Media)	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/Design/Graphic Design/Visual Communication/Computer Graphic/Mass Com. Having 3 years experience in Graphic/Print design, layout and typography along with experience in tools CorelDRAW, Adobe Creative suite.
36	Graphic Design and Video Editing	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/Design/Graphic Design/Visual Communication/Computer Graphic/Mass Com. having 3 years of experience as Graphic Designer/Visual Artist and Video Editor along with tools Adobe Creative suite and Adobe Premiere/Power Director/ Filmora (for video editing).
37	Mobile Application Development	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/EEE having 3 years of experience in Mobile Application Development/Android SDK/Flutter/ Android Studio/Ionic
38	Professional Photography, Documentary Ad Making	3 Months	Intermediate	BS in Film Making having 3 years experience in photography, videography, and video editing. Proficiency in DSLR cameras and video editing software like Adobe Premiere Pro. OR Graduate along with Diploma/Certificate in Photography or Filmmaking having 3 Experience in photography, videography, and video editing, Proficiency in DSLR cameras and video editing software like Adobe Premiere Pro
39	System Administration and IT Infra-structure Services	3 Months	Intermediate	Bachelor Computer Science/ SE/ IT/EEE/ along with Certifications in MCSA, CCNA, or Linux+. Having 3 years Experience in system administration, network administration, and IT infrastructure support.
40	Graphic Designing (UI/UX Designer)	3 Months	Intermediate	Bachelor in Computer Science/ SE/ IT/Design/Graphic Design/Visual Communication/Computer Graphic/Mass Com having 3 years of experience as Graphic Designer/Visual Artist and along with tools Figma/Adobe AI/Adobe Photoshop/Adobe Creative suite.

Sector Name: Languages				
Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Arabic (Foundation level)	3 Months	literate	Matric along with 1 year Arabic course having 2 years relevant teaching experience OR BS Arabic Language having 1 year of related teaching experience
2	Chinese	3 Months	Matric	HSK Level 3 Certified having 3 years of teaching experience in Chinese as a foreign language.
3	English (IELTS/ETS)	3 Months	Matric	Bachelor in English Language and Literature, understanding of four modules of General IELTS (Listening, Reading, Writing, and Speaking) along with 6 bands having 3 years of teaching experience OR Masters English Language and Literature, understanding of four modules of General IELTS (Listening, Reading, Writing, and Speaking) along with 6 bands having 1 years of teaching experience
4	German (A1)	3 Months	Middle/ Basic English understanding	Bachelor's along with B-1 Certified from GOETHE Institute of Germany having 1 years of teaching experience in German as a foreign language.
5	Japanese (N5)	3 Months	Middle	Certificate in Japanese Language with fluency in Japanese at N4 level having 3 years of teaching experience in Japanese as a foreign language.
6	Korean (EPS TOPIK)	3 Months	Middle	TOPIK Level 3 Certified having 3 years of teaching experience in Korean as a foreign language.
Sector Name: Textile and Manufacturing				
Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Advance CAD and CAM	3 Months	Intermediate	BE Civil/ Electrical/ Architecture having 1 year relevant experience.

2	Advanced CNC	6 Months	Matric	DAE along with Certification in CNC Operations having 3 years experience in operating advanced CNC machines proficiency in machine programming and operation. OR BE in Mechanical along with 1 year experience in operating advanced CNC machines
3	Advanced Welding [SMAW & GTAW (6G & 6GR)]	6 Months	Intermediate	DAE in Mechanical/ Metallurgy having 3 years of relevant experience. OR Intermediate along with 1 year Certificate in Welding having 5 years of relevant experience in Welding OR BE in Mechanical/ Metallurgy having 1 year experience in relevant field.
4	AutoCAD (Mechanical )	6 Months	Matric	DAE Mechanical/ Civil having 3 years of relevant experience Or BTech/BS in Mechanical Technology having 1 year experience in relevant field. OR BE Mechanical Auto CAD having 1 years of relevant experience.
5	Boat Making	6 Months	Middle	Intermediate having 3 years experience in Boat Making or Marine Construction.
6	Chemical Supervisor	6 Months	Matric	Bachelor Chemistry/Chemical having 1 years experience in Chemical Processes related to Textiles, Dyeing or Industrial Operations. Or DAE in Chemical Technology having 3 years experience in Chemical Processes related to Textiles, Dyeing or Industrial Operations.
7	Dies and Mould	6 Months	Intermediate	DAE Dies and Mould Technology having 3 years of experience in Die/Mould design and fabrication expertise in materials and manufacturing processes. OR

				BE Mechanical Certification in Dies and Mould Technology having 1 years of relevant experience in Die/Mould design and Fabrication expertise in materials and manufacturing processes.
8	Electric Arc Welding & Co2c For Ship Building	6 Months	Matric	DAE Mechanical/ Metallurgy having 3 years of relevant experience. OR Intermediate along with 1 year certificate in welding having 5 years experience in the field of Welding BE in Mechanical/ Metallurgy along with 1 year experience in relevant field.
9	Fashion Design & Dress Making	6 Months	Matric	DAE DDM having 3 years experience in fashion design and stitching
10	Hand & Machine Embroidery	6 Months	Middle	Intermediate along with CVG/DVG having 3 years of relevant experience in hand and machine embroidery. Or DAE DDM having 3 years of relevant experience in Hand & Machine Embroidery.
11	Industrial Automation	3 Months	DAE in Electrical	BE Electrical/ Electronics/Control Systems Engineering strong knowledge of industrial automation systems, PLC, SCADA, and robotics having 2 years of relevant experience in industrial automation projects and troubleshooting.
12	Industrial Stitching	6 Months	Middle	DAE DDM having 3 years experience operating Industrial Stitching Machines. Or Intermediate along with 6 Months certificate in Industrial Stitching Machines having 5 years relevant experience
13	Industrial Stitching Machine Operator	6 Months	Middle	DAE DDM having 3 years experience operating industrial stitching machines.
14	Leather Garments Pattern Maker	3 Months	Matric	DAE DDM having 3 years in leather garment manufacturing and pattern development. OR

				Intermediate having relevant Diploma/ certificate having 3 years of relevant experience in leather garments pattern maker.
15	Machinist	6 Months	Matric	DAE in Mechanical Technology having at least 3 years of relevant experience. OR Intermediate along with 1 year certificate in Machinist having 3 year experience.
16	Mechatronics (Robotics)	6 Months	Bachelors	BE Mechatronics/Robotics Engineering having 3 years expertise in Robotics programming and teaching/training experience.
17	Plastic Injection Molding Machine Operator	6 Months	Intermediate	Intermediate having 3 years of experience as an operator of injection molding machines knowledge of plastics and injection molding techniques.
18	Ship Steel Fabricator (Ship Fabricator)	6 Months	Matric	Intermediate having 3 years of relevant experience as a ship steel fabricator expertise in shipbuilding processes and materials.
19	Textile Designing with CAD	3 Months	Matric	Diploma in textile designing having 3 years experience in designing textile using CAD software (e.g., AutoCAD, Illustrator).
20	Textile Dyeing and Printing	6 Months	Matric	DAE Textile Dyeing and Printing having 3 years of relevant experience of hands-on experience in Textile Dyeing and Printing process
21	Textile Dyeing and Printing (Wet Processing)	6 Months	Matric	BS in Textile Engineering having 1 year experience in relevant field OR DAE Dyeing and Printing (Wet Processing) having 3 years of relevant experience of hands-on experience in finishing processing.
22	Textile Knitting	6 Months	matric	BS in Textile Engineering having 1 year experience in relevant field OR DAE Textile Weaving having 3 years experience in industrial knitting processes and machinery.
23	Textile Merchandiser	6 Months	Intermediate	BS in Textile Engineering having 1 year experience in relevant field



24	Textile Spinning	6 Months	Matric	BS in Textile Engineering having 1 year experience in relevant field OR DAE in textile spinning having 3 year experience in spinning operations, yarn manufacturing, or textile production.
25	Textile Testing and Quality Control	3 Months	Matric	BS in Textile Engineering having 1 year experience in relevant field OR DAE in textile technology having 3 years of relevant experience in textile testing, standards, and quality control processes.
26	Textile Weaving	6 Months	Matric	BS in Textile Engineering having 1 year of experience in relevant field OR DAE Textile Weaving technology having 3 years of relevant experience of hands-on experience in weaving operations or loom handling.
27	Wheel Chair Manufacturing & Repairing	3 Months	Middle	DAE mechanical having 2 years of relevant experience in wheelchair production or repair knowledge of mechanical and electrical components of wheelchairs.

**Sector Name: Mining and Mineral Sector**

Sr. No.	Trade Name	Duration	Student Entry Level	Teacher Criteria
1	Advance Civil Survey	6 Months	Middle	DAE Civil having 3 years of experience in Advanced Surveying Techniques and GIS Technologies. OR BE Civil Engineering having 1 year relevant experience.
2	CAD/CAM Jewelry Designing	6 Months	Middle	Intermediate along with Diploma in Jewelry Design and Manufacturing having 3 years of relevant experience.
3	Crush Plant	3 Months	Primary	Matric having 5 years hands on experience on Crush plant OR DAE Civil having 3 years hands on experience on Crush plant

4	Drilling and Drilling Fluids	3 Months	Middle	DAE in Petroleum/ Chemical Technology having 3 years hands-on experience in Drilling Operations, Mud Preparation/ Fluid Management. OR BE in Petroleum/ Chemical Engineering having 1 year experience in hands-on experience in Drilling Operations, Mud Preparation/ Fluid Management.
5	Fashion jewelry Maker	6 Months	Middle	Intermediate along with Diploma/Certificate in jewelry Manufacturing having 3 years of relevant experience. OR Bachelor in Fashion Design having 1 year experience in Fashion jewelry
6	Fundamental of Minerals	3 Months	Matric	BE in Geology/ Geophysics/ Mining Engineering having 1 years experience in Mining And Mineral Exploration.
7	Gemstone Bead Making	3 Months	Middle	Intermediate along with Diploma/Certificate in Beads Making, having 3 years experience in relevant field
8	Gemstone Carving	6 Months	Middle	Intermediate along with Diploma/Certificate in Gemstone Carving having 3 years of relevant experience.
9	Gemstone Faceting and Polishing	6 Months	Middle	Intermediate along with Diploma/Certificate in Gemstone Faceting having 3 years experience in relevant field
10	Gemstone Identification	6 Months	Matric	Intermediate along with Diploma/Certificate in Geology having 3 years in relevant experience.
11	Gemstone Mining & Extraction	3 Months	Middle	Intermediate along with Diploma/Certificate in Gemstone Mining, having 3 years experience in relevant field
12	Heavy Machine Operator	3 Months	Middle	Matric along with 6 Months certificate in relevant trade and Must having 5 Years relevant experience. OR Intermediate along with 6 Months certificate in relevant trade and having 3 years relevant experience.
13	Jewelry Electroplater	6 Months	Middle	Intermediate along with Diploma in jewelry Design and Manufacturing having 3 years hands on experience in jewelry Electroplating.

14	Manual Jewelry Maker	6 Months	Middle	Intermediate along with Diploma/Certificate in jewelry Manufacturing and 3 years of relevant experience.
15	Marble Mosaic Craftsman	6 Months	Middle	Intermediate along with Diploma / Certification in Marble Crafting having Hands-on expertise in Marble Crafting having 3 years of practical experience in Artistic Marble Work.
16	Marble Quarry Master	6 Months	Middle	Diploma in Mining Technology/Geology having 3 years experience as Quarry Master and Marble Extraction processes.
17	Marble Technician (Block Edition)	6 Months	Middle	Diploma in Mining/Geology having 3 years of experience in Marble Block Handling, Cutting, And Shaping.
18	Marble Technician (Value Edition)	6 Months	Middle	Diploma in Mining Technology/Geology having 3 years experience in Marble Value Addition, including Polishing, Cutting, And Designing.
19	Mining Technician	3 Months	Middle	DAE in Mining having 3 year hands on experience at Mining site OR Intermediate having Diploma/ Certificates in Mining / Mechanical with Specialization in Mining/ Land & Mine Surveying having 3 years relevant experience.

  
 (Farhat Hafeez)  
 Director General  
 (Skills Standard & Curricula)

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