

अण्णा भाऊ साठे संशोधन व प्रशिक्षण संस्था (आर्टी), मुंबई

बी 201/202 - अर्जुन सेंटर , गोवंडी (पूर्व), मुंबई

कौशल्य विकास प्रशिक्षण यादी

(Skill Development Course)

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Sr. No	Course Name	Eligibility	Duration	Description
TATA STRIVE (Below 10 OR 10 th)				
1.	CCCB (Certificate Course In Cooking & Baking)	8th Pass	17 weeks + 4 weeks OJT	Domain Skills:- Set up kitchen for operations - Prepare sauces, salads, cold starters and other base items - Monitor stocks, assist Commis 1 or Chef-de-Partie - Close kitchen at end of day's operations or shift-end Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices
2.	Assistant Beauty Therapist	8th Pass	10 weeks classroom	Domain Skills: - Exhibit basic service aptitude - Provide beauty services and therapy operations - Apply self-grooming techniques - Exhibit salon management and business ethics -Assists the beauty therapist in providing advanced services Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Problem-Solving;

				Health, Hygiene and Safety Practices
3.	Field Technician: Air Conditioner and Refrigerator	8th Class pass + ITI (2 years after 8th) with 2 years of relevant experience OR • 10th Class with 2 years of relevant experience OR 2 year I.T.I (after 10th) OR • 12th Class with 6 months of relevant experience OR • Certificate of NSQF Level-3 in relevant field with 2 years of experience	12 weeks classroom + 4 weeks OJT	Domain Skills: - Provide after-sales service to customers - Identify and rectify minor problems - Replace faulty modules for failed parts - Recommend factory repair Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices; Problem-Solving
4.	Auto Service Technician- 2&3 W EV	10th Pass	12 weeks classroom	Domain Skills: - Repair, conduct routine servicing, and maintenance (including electrical and mechanical aggregates) of Electric and Hybrid vehicles - Assist the lead technician in identifying faults Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene, and Safety Practices, Problem-Solving
5.	Auto Tech 2/3 Wheeler	10th Class with 1-2 Years of experience or Certificate-NSQF (Two Wheeler Service Assistant Level 3) with 1-2 Years of experience	15 weeks + 4 weeks OJT	Repair and conduct routine servicing & maintenance of 2/3-Wheeler vehicles -Service electrical and mechanical aggregates Soft Skills: Communication; Work Place Readiness;

				Life Skills; Health, Hygiene and Safety Practices
6.	Automotive Service Technician 2 and 3 wheeler	10th Pass	11 weeks classroom + 4 weeks OJT	Domain Skills: - Repair, conduct routine servicing, and maintenance (including electrical and mechanical aggregates) of Electric and Hybrid vehicles - Assist the lead technician in identifying faults Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene, and Safety Practices, Problem-Solving
7.	Four Wheeler Service Assistant	10th Pass	6 weeks classroom + 4 weeks OJT	Domain Skills: - Assist in service, maintenance, and technical repair of vehicles - Assist in maintenance of electrical and mechanical aggregates of vehicles Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene, and Safety Practices; Waste Management
8.	Entrepreneurship Development Program	10th pass Age: 18-35 Years	10 days	Domain Skills: - Identifying skills and mindset of entrepreneur - Learn nuances of innovation, planning, setting up a business - Explore best techniques of promotion, pricing, money management - Understand ins and outs of marketing, sales, negotiation techniques - Become

				proficient in Business Plan presentation, operations management and scaling up Soft Skills: Leadership, Growth Mindset, Negotiation, Time Management
9.	Food & Beverage Service Steward	10th Class Pass	10 weeks classroom + 4 weeks OJT	Domain Skills: - Greet and seat guests - Take down their orders - Serve them with tableware, food, beverages, and accompaniments - Clear the used dishes and settle customer's accounts Soft Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices; Problem-Solving
10.	Housekeeping Attendant	10th Pass	12 weeks + 4 weeks OJT	Domain Skills: - Clean guest rooms and public areas - Clean carpeted areas - Polish various floors and surfaces Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices; Problem-Solving
11.	Housekeeping Operations	10th Pass	13 weeks classroom + 4 weeks OJT	Domain Skills: Clean guest rooms and public areas - Clean carpeted areas - Polish various floors and surfaces Soft Skills:

				Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices; Problem-Solving
12.	Quick Service Restaurant (QSR) Associate	10th Pass	13 weeks classroom + 4 weeks OJT	Domain Skills: - Collaborate to get customised food & beverages prepared - Oversee food preparation and customer service - Supervise hygiene protocols Employability Skills: Communication; Work Place Readiness; Life Skills; Teamwork; Critical Thinking, Health, Hygiene and Safety Practices
13.	Spa Therapist	10th Pass	8 weeks classroom + 4 weeks OJT	Domain Skills: - Provide different professional Spa services - Maintain treatment records - Ensure safe and hygienic environment - Exhibit excellent interpersonal skills Soft Skills: Communication; Workplace Readiness; Life Skills; Problem-Solving; Health, Hygiene and Safety Practices
14.	Trainee Chef Bakery	10th Pass	13 weeks classroom + 4 weeks OJT	Domain Skills: - Collaborate to get customised food & beverages prepared - Oversee food preparation and customer service - Supervise hygiene protocols

				Employability Skills: Communication; Work Place Readiness; Life Skills; Teamwork; Critical Thinking, Health, Hygiene and Safety Practices
15.	Assistant Electrician	10th Pass	12 weeks classroom + 1 week OJT	Domain Skills: - Handle hand and power tools relevant to construction electrical works -Install temporary lighting arrangements at construction sites - Assist in LV (low voltage) electrical wiring at permanent structures - Assemble, install and maintain temporary LV electrical panels Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene, and Safety Practices; Teamwork; Planning and Organisation
16.	Beauty Advisor	10th Pass	6 weeks + 1 week OJT	Domain Skills: - Specialise in beauty treatments of both the face and body. - Consult, advise, market and sell a range of beauty treatments and products. Soft Skills: Communication; Workplace Readiness; Life Skills; Problem-Solving; Health, Hygiene and Safety Practices
17.	Solar PV Installer (Suryamitra)	10th Pass	10 weeks classroom	Domain Skills: - Specialised for mechanical, civil, and electrical installations of Solar

			+ 2 weeks OJT	Power Plants - Maintaining solar power plants Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices
IGTR(10th)				
18.	Certificate courses in Cnc Milling	SSC or Equivalent	6 months	-To be acquainted with CNC Machining -Techniques using Latest CNC Machining Technology. -To Program & Handle CNC Machines (Lathe, Milling, Wire-cut & EDM) - live Projects.
19.	Certificate Courses in Cnc Turning	SSC or Equivalent	6 months	-To be acquainted with CNC Machine Maintenance (Mechanical, Electrical, Electronics) with live projects on CNC Machine & Conventional Maintenance.
20.	Certificate Course in CNC Turning & Milling	10 th Pass	12 Months	-To be acquainted with Manufacturing Elements of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc. Using CNC Technology.

21.	Certificate Course in Tool & Die Making	10 th Pass	12 Months	-To be acquainted with Manufacturing Elements of Press Tools, Plastic Moulds, Jigs, Fixtures & Gauges, Die Casting Dies, etc., on conventional machines independently with exposure to CNC Technology.
22.	Certificate Course in Mach. Oper. - WIRE CUT & EDM	SSC Passouts	24 Weeks (8 hrs / day)	-W/S. Tech., Blue Print Reading -Engg. Metrology. -W/S Pract. (Lathe & Milling) -CNC Prog./ Macg. (Wire Cut & EDM) -Live Projects - CNC Macg.
23.	Certificate Course in CNC Mach. Oper. - LATHE NSQF LEVEL-4	SSC Passouts	24 Weeks (8 hrs / day)	-W/S Tech., Blue Print Reading -Engg. Metrology -CNC Prog. / Mcng. (Lathe) Live Projects - CNC Machining
24.	Certificate Course in Mach. Oper. - MILLING LEVEL-4	SSC Passouts	24 Weeks (8 hrs / day)	-W/S Tech., Blue Print Reading -Engg. Metrology, W/S Practice (Milling) -CNC Prog./Mcng. (Miling) - Live Projects - CNC Machining
TATA STRIVE (12 th)				
25.	Auto Sales Consultant	Graduate OR 12th Class with 2 Years of relevant experience	6 weeks classroom + 4 weeks OJT	Domain Skills: - Handle potential customer leads - Present value propositions for vehicles - Manages vehicle retail sales Employability Skills: Communication; Work Place

				Readiness; Life Skills; Planning and Organisation
26.	Commis Chef	12th Class/I.T.I (two years after class 10th) OR ● 12th Class/I.T.I (one year after class 10th with 1 year of experience in the food production sector) OR ● Certificate-NSQF (level-3 Assistant Chef)	11 weeks classroom + 8 weeks OJT	Domain Skills: - Set up kitchen for operations - Prepare sauces, salads, cold starters and other base items - Monitor stocks, assist Commis 1 or Chef-de-Partie - Close kitchen at end of day's operations or shift-end Employability Skills: Communication; Work Place Readiness; Life Skills; Health, Hygiene and Safety Practices
27.	Automotive Telecaller	12th Pass	7 weeks classroom	Domain Skills: - Make calls to prospective customers to generate sales leads - Support staff in follow-up calls for both sales and service activities Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Time Management
28.	Customer Care Executive (Call Centre)	12th Pass	7 weeks classroom	Domain Skills: - Attend telephone calls - Answer customers' inquiries - Resolve customers' problems - Record customers' complaints and feedback Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Problem-Solving

29.	Field Officer- Agri	12th Pass	5 weeks classroom + 1 week OJT	Domain Skills: - Identify the potential borrowers and determine their eligibility for loans - Assist in the processing of loans and insurance policy applications - Monitor the loan repayments and assist with insurance premium and claims Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Problem-Solving
30.	General Duty Assistant	10th Pass	10 weeks classroom + 12 weeks OJT	Domain Skills: - Ensure patient comfort - Assist doctors and nurses - Maintain clean hospital environment - Assist in patient care planning Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Health, Hygiene and Safety Practices
31.	Retail Sales Associate	12th Pass	7 weeks classroom + 4 weeks OJT	Domain Skills: - Provide specialised service to customers - Conduct product demonstrations to maximise business - Receive continuous training for services rendered Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Agility and Adaptability; Quality Presentation

32.	(IGTR) Advance Certificate Course in Inspection & Quality Assurance	For 12th Passout / B.Sc. Graduates / ITI (Appeared)	24 Weeks (8 hrs / day)	-Engineering Drawing, Engineering Metrology -CAD (Auto CAD & Unigraphics NX), Workshop Calculation -Total Quality Management, Inspection (CMM), Project
ITI (IGTR)				
33.	. Advance Certificate Course in CNC Machining	I.T.I. (Machinist / Turner / Bench Fitter / Tool & Die Maker / Grinder)	12 Months	-To be acquainted with CNC Machining Techniques using Latest CNC Machining Technology. -To Program & Handle CNC Machines (Lathe, Milling, Wire-cut & EDM) - live Projects.
34.	Advance Certificate Course in Machine Maintenance	I.T.I. (Machinist / Turner / Electrician / Tool & Die Maker / Electronics / MMTM / MMTR	12 Months	-To be acquainted with CNC Machine Maintenance (Mechanical, Electrical, Electronics) with live projects on CNC Machine & Conventional Maintenance.
TATA STRIVE (GRADUATE/ DEGREE/ ENGINEERING)				
35.	AWS re/start	Applicant must be a STEM Graduate / BCA / MCA / BSc IT / B Tech / M Tech / BE.	12 weeks	Domain Skills: Fundamentals of cloud computing, AWS Cloud skills, How to use different programming languages, Build skills aligned with AWS certification - Prepare for the AWS Certified Cloud Practitioner Certification

				Employability Skills: Effective communication, Problem solving, Teamwork Time management
36.	Cyber Security Analyst	BSC IT/CS, BCA, MCA, MSC IT/CS, BE IT/CS, B.Tech IT/CS, M.Tech/ME CS/IT	15 weeks classroom	Domain Skills: - Carry out defensive security, Network VAPT, Web application, VAPT operations - Conduct packet analysis, port scanning, vulnerability identification Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking, Agility and Adaptability, Problem-Solving
37.	Full Stack Java Developer	STEM Graduate / BCA / MCA / BSc IT / B Tech / M Tech / BE	16 weeks classroom	Domain Skills- - Learn Software Development Fundamentals, Git, GitHub, SCRUM, HTML, CSS, Javascript, React, SQL, Java, Java Springboot - Develop , Test & Finalize solutions - Fix errors Employability Skills- Growth Mindset, Persistence, Personal Responsibility, Future Orientation, Communication, Detail Orientation, Proactiveness
38.	Junior Full Stack Java Developer	STEM Graduate / BCA / MCA / BSc IT / B Tech / M Tech / BE	16 weeks classroom	Domain Skills- - Learn Software Development Fundamentals, Git, GitHub, SCRUM, HTML, CSS, Javascript, React, SQL, Java, Java Springboot - Develop , Test & Finalize

				solutions - Fix errors Employability Skills- Growth Mindset, Persistence, Personal Responsibility, Future Orientation, Communication, Detail Orientation, Proactiveness
39.	Cyber Suraksha	Engineering graduates and post graduates OR Science graduates and post graduates OR Students undergoing engineering and science graduation courses or masters	50 hours	Domain Skills: - Learn about Networks, Web applications, android/ iOS, VAPT - Perform hands-on practicals on various tools - Conduct security auditing Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking, Agility and Adaptability
40.	Google UX Design Professional	Final Year students of BE/BTech/MTech, BCA, MCA, BSc (CS/IT), MSc (cs/it), BSc, BSc(Maths/Statistics/IT)	6 Weeks	Domain Skills: - Carry out design processes, accessibility, and equity-focused designs - Apply foundational concepts in UX design - Generate ideas for possible solutions to user problems Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Problem-Solving
41.	UX Designer – Google Course	Final Year learners of BE/BTech/MTech, BCA, MCA, BSc (CS/IT), MSc (cs/it), BSc, BSc(Maths/Statistics/IT)	10 Weeks	Domain Skills: - Carry out design processes, accessibility, and equity-focused designs - Apply foundational concepts in UX design - Generate

				ideas for possible solutions to user problems Employability Skills: Communication; Work Place Readiness; Life Skills; Critical Thinking; Problem-Solving
42.	Business Correspondent/Facilitator	Graduate	5 weeks classroom + 4 weeks OJT	Domain Skills: - Act as agents and provide banking services in remote locations - Conduct regular transactions for customers on behalf of a bank - Spread awareness related to banking and bank-related products - Assist the bank in business generation activities and recovering bad debts Employability Skills: Communication; Workplace Readiness; Life Skills; Critical Thinking
43.	Business Development Executive – BFSI	Graduate	6 weeks classroom	Domain Skills: - Act as agents and provide banking services in remote locations - Conduct regular transactions for customers on behalf of a bank - Spread awareness related to banking and bank-related products - Assist the bank in business generation activities and recovering bad debts Employability Skills: Communication; Workplace

				Readiness; Life Skills; Critical Thinking
IGTR(GRADUATE/ DEGREE/ ENGINEERING)				
44.	Master Certificate courses in mechatronics	Preferably Diploma in (Mechanical Engineering /Production Engineering/Electronics Engineering/Electrical Engineering/Instrumentation Engineering or equivalent) or Higher.	780 hrs (6 hrs/day).	Industrial Pneumatics & Hydraulics SCADA, PLC Programing E-CAD, Sensors & Actuators Mechatronics Technology & kits Entrepreneurship, Course – Work : Project
45.	Master Certificate Course In Automation & Process Control	DEGREE	24 weeks (8 hrs / day)	Electrical Hardware Logic Control, Electrical Machines Sensor & Transducer, E-CAD Pneumatics & Hydraulics System Programmable Logic Controller SCADA & HMI, TIA- Portal Embedded Systems, Robotics Machine Maintenance Communication Skill, Project Work
46.	Master Certificate Course in Computer Aided Tool Engineering	DEGREE / DIPLOMA	24 Weeks (8 hrs / day)	-Computer Aided Design (Auto CAD & Solidworks) -Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) - Advance Computer Aided Design (CREO) -Computer Aided Engineering (Ansys & Hypermesh)

				-Design of Press Tools, Design of Moulds Entrepreneurship, Course - Work : Project
47.	Master Certificate Course in CAD/CAM	DEGREE / DIPLOMA	24 Weeks (8 hrs / day)	-Computer Aided Design (Auto CAD & Solidworks) -Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) -Advance Computer Aided Design (CREO & CATIA) -CNC Programming & CNC Machining Computer Aided Engineering (Ansys) -Entrepreneurship, Course - Work : Project
48.	Master Certificate Course in Computer Aided Tool Engineering	DEGREE / DIPLOMA	24 Weeks (8 hrs / day)	-Computer Aided Design (Auto CAD & Solidworks) -Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) -Advance Computer Aided Design (CREO) -Computer Aided Engineering (Ansys & Hypermesh) -Design of Press Tools, Design of Moulds -Entrepreneurship, Course - Work : Project
49.	Master Certificate Course in Tool Design	DEGREE / DIPLOMA	24 Weeks (8 hrs / day)	-Computer Aided Design (Auto CAD & Solidworks)

				-Computer Aided Design & Manufacturing (Unigraphics CAD & Unigraphics CAM) -Design of jigs & Fixtures, Press Tools, Moulds Design of Die Casting Dies -Entrepreneurship, Course - Work : Project
50.	Master Certificate Course in Mechatronics	DEGREE / DIPLOMA	24 Weeks (8 hrs / day)	Industrial Pneumatics & Hydraulics SCADA, PLC Programing E-CAD, Sensors & Actuaters Mechatronics Technology & kits Entrepreneurship, Course - Work : Project
51.	Advance Diploma in Machine Maintenance & Automation	DEGREE / DIPLOMA	24 Weeks (8 hrs / day)	Electrical Hardware Control, Electrical Machines Pneumatics & Hydraulics Machine Maintenance,PLC, SCADA & HMI, Electrical CAD Communication Skill, Project Work
52.	Certificate Course in Mechatronics	For BE / DIPLOMA / ITI (Part Time Courses for Industrial Professionals only)	24 Weeks (4 hrs / day)	- Applied Pneumatics - Applied Hydraulics - PLC Programing - Mechatronics Technology - Project Work
53.	Certificate Course in Tool Design & CAD/CAM	For BE / DIPLOMA / ITI (Part Time Courses for	48 Weeks (4 hrs / day)	- Auto CAD, Master CAM, - Catia(CAD), UG (CAD/CAM) - Design of Jigs and Fixtures,

		Industrial Professionals only)		- Press Tools, Moulds, Die Dies Casting - CNC Programming - Project Work
54.	Certificate Course in 3D Printing & Reverse Engineering	For BE / DIPLOMA / ITI (Part Time Courses for Industrial Professionals only)	24 Weeks (4 hrs / day)	- Auto CAD - Solid Works - 3D Printing - 3D Scanning - Project Work
55.	Certificate Course in Tool Design	For BE / DIPLOMA / ITI (Part Time Courses for Industrial Professionals only)	24 Weeks (4 hrs / day)	- Auto CAD - Design of Jigs and Fixtures - Design of Press Tools - Design of Moulds - Design of Die Casting Dies - Project Work
56.	Certificate Course in CAD/CAM	For BE / DIPLOMA / ITI (Part Time Courses for Industrial Professionals only)	24 Weeks (4 hrs / day)	- Auto CAD, Catia(CAD) - Master CAM(CAD/CAM) - UG(CAD/CAM) - CNC Programming - Project Work
57.	Certificate Course in Autotronics	For BE / DIPLOMA / ITI (Part Time Courses for Industrial Professionals only)	24 Weeks (4 hrs / day)	- Automotive Electrical & Starting System - Fuel System & Engine Control - Structural Part - Safety & Associated Systems
58.	Auto CAD (Mech)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- Creating Objects - Editing Objects - Layers, Colours & Line Types - Dimensioning & Tolerancing - Blocks, Attributes & X - REF - Layout, Plotting & Priting - 3D Modeling

59.	Solidworks (CAD)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- Sketcher - Part Design - Surfacing - Drafting - Assembly - Simulation
60.	Catia (CAD)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction to CATIA - Sketcher Workbench - Part Design Workbench - Wire Frame & Surface Design - Assembly Design Workbench - Generative & Interactive Drafting
61.	Unigraphics (CAD)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction - Interface & Coordinate System - Curves - Sketcher - Featured Based Modeling - Assembly & Details - Drafting - Free Form Features
62.	Unigraphics (CAM)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction - Overview of Mfg. Applications - Point To point Machining - Planner Turning & Milling - Cavity Milling - Prog. Generation & Transfer to M/C
63.	Master CAM (CAD / CAM)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- 2D Drafting - Wire Frame Modeling - Surface Modeling - Tool Path Generation - Transfer to Machine

				- Post Processing
64.	Delcam (CAD / CAM)	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- 2D Drafting - Wire Frame Modeling - Surface Modeling - Tool Path Generation - Transfer To Machine / Post Processing
65.	Delcam Art CAM	(Mechanical / Production / Automobile Engineering or Equivalent)	:72 Hrs (3 weeks, 4hrs / day)	- Introduction to Art CAM - Art CAM Pro Design - 2D Vector Design - 3D Design - Profile Generation - Machining
66.	Ansys	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction to FEA - Ansys Basics - Different types of Interfaces - Structural Analysis - Thermal Analysis - Model Analysis
67.	Staad Pro	CAD/CAE (Civil Engineering / Architectural Engineering)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction To Staad Pro - Analysis of Rc Structure & Power Transmission Tower - Application of Loading Condition - Method For Designing Shear Wall - Design of Slab
68.	Revit Architecture	CAD/CAE (Civil Engineering / Architectural Engineering)	96 Hrs (4 weeks, 4 hrs / day)	-Revit Auto Desk Architecture -Getting Started Principles And Concepts -Working With Project And Elements

				-Working With Projects Views And Work Planes -Working With Basic Building Components -Working With Site Design -Working With Construction Documents
69.	3DS Max	CAD/CAE (Civil Engineering / Architectural Engineering)	96 Hrs (4 weeks, 4 hrs / day)	-Introduction of 3ds Max -Getting Started (principle & Concept) -Creating objects of Layer And Walls -Working With Primitives Modifiers & Reactors In 3ds Max -Modeling In 3ds Max -Basics of Lights And Materials And Camera -Animation of 3ds Max, Exploring Rendering -Creating Surface Model
70.	CNC Machining - Lathe	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	-Preparation of Part Geometry -Preparing & Setting for Operation -Setup of Zero Pt. Displacement -Tool Offset Values -Optimizing Tool Path -Execution of Part Program
71.	CNC Machining - Milling	(Mechanical / Production / Automobile Engineering or Equivalent)	96 Hrs (4 weeks, 4 hrs / day)	-Programming for CNC Milling -Preparing & Setting for Operation -Setup of Tools -Radial & Axial Offset Values -Test Run Simulation -Execution of the Part Program

72.	CNC Machining - Wire-cut	(Mechanical / Production / Automobile Engineering or Equivalent)	72 Hrs (3 weeks, 4 hrs / day)	- Programming of the Part Program - Preparation Tech. for Operation - Setting up of WEDM Machine - Simulation with Dry Run - Execution of the part program
73.	CNC Machining - EDM	(Mechanical / Production / Automobile Engineering or Equivalent)	72 Hrs (3 weeks, 4 hrs / day)	- Prog. of the Part Program - Preparation Tech. for Operation - Setting up of EDM Machine - Simulation with Dry Run - Execution of the part program
74.	Basic Pneumatics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	24 Hrs (1 week, 4 hrs / day)	- Introduction - Fundamental Principles - Energy Supply Elements - Directional Control Valves - Circuit Design & Application
75.	Basic Hydraulics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	24 Hrs (1 week, 4 hrs / day)	- Introduction - Fundamental Principles - Energy Supply elements - Directional Control Valves - Circuit Design & Application
76.	Electro Pneumatics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	24 Hrs (1 week, 4 hrs / day)	- Fundamental Principles - Energy Supply Elements - Directional Control Valves - Circuit Design & Application
77.	Electro Hydraulics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	24 Hrs (1 week, 4 hrs / day)	- Introduction - Fundamental Principles - Energy Supply Elements - Directional Control Valves - Fundamentals of Control Engg. - Circuit Design & Application

78.	Advance Pneumatics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	24 Hrs (1 week, 4 hrs / day)	- Introduction - Fundamental Principles - Energy Supply Elements - Directional Control Valves - Fundamentals of Control Engg. - Circuit Design & Application
79.	PLC Programming	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction of Ind. Automation - Details of PLC Hardware (SIEMENS) - Programming Languages - Downloading Program - Interfacing between PLC & Various Field Devices
80.	Embedded Systems	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction - Basics of Digital Electronics - Basics of 'C' Language - Test Equipment - Introduction To ARM7 - LPC 2148 Programming - Internal Peripherals of LPC 2148 - Live Practice: On Demo Boards
81.	HMI	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	96 Hrs (4 weeks, 4 hrs / day)	-Introduction of HMI -Comparison Between SCADA & HMI -Communication of HMI with PLC -Creating & Editing Graphic Display With Animation -Database of Tags & Process Tags & Internal Tags -Application of Lad Program on HMI

				-Moving object & Alarm System, Multiscreen Tasks -Working With online Trend Control
82.	Robotics & Automation	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	96 Hrs (4 weeks, 4 hrs / day)	- Introduction - C++ Programming - Lgrobo Kit - Programming Of Sensors - Interfacing With Mo`tors - Programming Of Mobile Robot 6 Axis Robot
83.	Sensors & Applications	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	48 Hrs (2 weeks, 4 hrs / day)	- Temperature Sensor - Light Sensor & Ir Sensor - Pressure Sensor - LVDT Coil & Load Cell - Piezo Electric Sensor - Gas Sensor & Alcohol Sensor
84.	Basic Mechatronics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	192 Hrs (8 weeks, 4 hrs / day)	- Introduction - PLC Programming, - Basic Pneumatics - Electro Pneumatics, - Mechatronics Projects Kits
85.	Robotics	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	72 Hrs (2 weeks, 4 hrs / day)	- Introduction To Robotics - Types of Robot - Actuators & Drives System - Programming of Robot - Programming Using Teach box - Programming Using Software
86.	Embedded in Robotics & Automation	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	144 Hrs (6 weeks, 4 hrs / day)	- Introduction - C++ Programming - Arm Basics - Lpc2148 Programming - Interfacing of Sensors

				- Programming of Mobile Robot 6 Axis Robot Duration : 144 Hrs (6 weeks, 4 hrs / day)
87.	3D Printing (Rapid Prototyping)	(Electrical / Electronics / Instrumentation / Computer / Mechanical or equivalent B.Sc. / M.Sc. Electronics / Computer Science)	96 Hrs. (4 weeks, 4 hrs / day)	-Additive Technology & Its Applications -Additive Manufacturing SLA, SLS, FDM -Preparing The Model For Rapid Manufacturing -Materials & Optimizing Manufacturing -Different Materials & Their Properties -Adjustment of Parameters -Time Estimating The Production Time of The Job -Assembly of The FDM System

MKCL

88.	MS-CIT	SSC OR HSC OR Graduation	3 Months	
89.	Certificate in English language skills, communication skills and soft skills	SSC OR HSC OR Graduation	120 Hrs	
90.	Certificate in basic information technology skills (for employability enhancement)	SSC OR HSC OR Graduation	120 Hrs	

91.	Certificate in Domain specific basic digital skills	SSC OR HSC OR Graduation	120 Hrs	
92.	Certificate in domain specific advanced digital skills	SSC OR HSC OR Graduation	120 Hrs	
93.	Certificate in data management with excel	SSC OR HSC OR Graduation	120 Hrs	
94.	Certificate in foundation of financial accounting (with tally and Excel)	SSC OR HSC OR Graduation	120 Hrs	
95.	Certificate in desktop publishing (DTP)	SSC OR HSC OR Graduation	120 Hrs	
96.	Certificate in web designing	SSC OR HSC OR Graduation	120 Hrs	
97.	Certificate in hardware and networking	SSC OR HSC OR Graduation	120 Hrs	
98.	Certificate in mobile app development	SSC OR HSC OR Graduation	120 Hrs	
99.	Certificate in digital freelancing	SSC OR HSC OR Graduation	120 Hrs	

100	Certificate in retail management	SSC OR HSC OR Graduation	120 Hrs	
101	Certificate in banking, financial services and insurance (BFSI)	SSC OR HSC OR Graduation	120 Hrs	
102	Certificate in advance data management with excel	SSC OR HSC OR Graduation	120 Hrs	
103	Certificate in applied financial accounting (with Tally and Excel)	SSC OR HSC OR Graduation	120 Hrs	
104	Certificate in advance desktop publishing	SSC OR HSC OR Graduation	120 Hrs	
105	Certificate in advanced web designing	SSC OR HSC OR Graduation	120 Hrs	
106	Certificate in advanced mobile app development	SSC OR HSC OR Graduation	120 Hrs	
107	Certificate in advance hardware and networking	SSC OR HSC OR Graduation	120 Hrs	
108	Certificate in advanced digital freelancing	SSC OR HSC OR Graduation	120 Hrs	

109	Certificate in advanced retail management	SSC OR HSC OR Graduation	120 Hrs	
110	Certificate in advance banking, financial Services and insurance (BFSI)	SSC OR HSC OR Graduation	120 Hrs	