

AMT SKILL ENHANCEMENT INSTITUTE LLP



Course List - 2024-25

Code	Awareness	Duration in Hrs
A1	Manufacturing Processes	4
A2	Young Professional Awareness	1.5
A3	Introduction to Automation- Webinar	1.5
A4	Career opportunities in Cobots- Webinar	1.5
A5	Introduction to Cobots- Webinar	1.5
A6	Career opportunities in Mechatronics- Webinar	1.5
A7	Career opportunities in Automation- Webinar	1.5
A8	Introduction to Mechatronics- Webinar	1.5
A9	Introduction to Automation- Webinar	1.5
A10	Digital Marketing Webinar	1.5
A11	Introduction to Cobots- Workshop	TBD
A12	Career opportunities in Mechatronics- Workshop	2
A13	Career opportunities in Automation- Workshop	2
A14	Introduction to Mechatronics- Workshop	3
A15	Introduction to Automation- Workshop	3
A16	Digital Marketing Workshop	2
A17	Nashik First	1
A18	Introduction of engineering disciplines	1.5
A19	Video's on product functioning	Customised
A20	Testing & Validation – methods & laboratories	2
A21	Career opportunities after BE, B. Com, Diploma	2
A22	Industry speaker – Expectations of employers from students of Marketing	1.5
A23	Industry speaker – Expectations of employers from students of planning	1.5
A24	Industry speaker – Expectations of employers from students of Material	1.5
A25	Industry speaker – Expectations of employers from students of Manufacturing	1.5
A26	Industry speaker – Expectations of employers from students of finance & accounts	1.5
A27	Industry speaker – Expectations of employers from students of HR	1.5
A28	Industry speaker – Expectations of employers from students of IT & other service function	1.5
A29	Awareness on independent certifications	2
A30	Introduction to ISO9001 & other standards	2
A31	Bootcamp	1*5
Code	Basics	
B1	First Aid	8
B2	Basics measurement units & calibration concept,	4 & 8
B3	Fundamentals of geometric dimensioning and tolerancing (GD&T), Mahr / Company representative	8
B4	Data collections and analysis	8
B5	Introduction of The Factory Act & other Acts'	16
B6	Occupational Health & Safety	16
B7	Waste management	8
B8	Basics of Industrial Engineering	8
B9	Introduction to TQM	4
B10	Introduction to TPM	4
B11	Basics of 'Lean' manufacturing	4
B12	Basics of Automation Engineering	12
B13	ISO9001 management system requirement	4
B14	Introduction to standards (SI, BSI & BIS)	4

B15	Basic Accounting	16
B16	Direct & Indirect taxes	16
B17	Inventory	4
B18	Excise & Customs	4
B19	Banking, Investment, Insurance etc.	4
B20	Payroll	8
Code	Competency	
C1	Conflict management	8
C2	Effective business communication	4
C3	Data analysis & Creating graphs Level1	8
C4	Data analysis & Creating graphs Level2	16
C5	Problem solving	8
C6	Root cause analysis with 8D	8
C7	PDCA & SDCA	8
C8	Choosing the right word	4
C9	Kaizen the first step towards excellence	4
C10	Supervisory Development	40
C11	Leadership Development	40
C12	Managerial Development	40
C13	5S World class workplace organisation	4
Code	Digital Literacy	
D1	Googling Google	2
D2	Web page using Wordpress and blog	2
D3	Google docs	2
D4	Google Sheets	2
D5	Google slides	2
D6	Canvaa	2
D7	Advanced MS Excel Online	16
D8	MS Office online	16
D9	Advanced MS Excel Classroom	16
D10	Bulk Email & bulk whats app	4
D11	Digital graphics developer Canvaa	4
D12	Social media marketing	18
D13	Google My Business	2
D14	Online reputation management	2
D15	Blogging	2
D16	Affiliate marketing	2
D17	Freelancing	2
D18	Domain & hosting registration	4
D19	Word Press Designing	4
D20	Business growth & entrepreneurship development	2
D21	SEO	8
D22	Google Console & Analytic	6
D23	E Commerce website	2
D24	Google Adwords	12
D25	Soft Skills	16
D26	Greet 'N' Meet Online	2
D27	Basic Excel classroom	4
D28	MS Office	24
Code	Finance	
F1	Finance for non finance	4
F2	Effective sales management	4
F3	Accounting, Costing, Taxes	4
F4	Important laws/ statutes for business	4

F5	Company projects - incl. Trading, Manufacturing, service sector, construction, hospital, IT company, Hotelling etc.	Customised
F6	Practical Accounts Finalisation through Tally ERP 9,	10
F7	Tax Reports	4
F8	Auditing	4
F9	Management Reporting-MIS. And analysis, ratios, etc	4
F10	Internal systems & Admin, Tally Security	4
F11	Liasoning with Auditors, consultants & govt departments.	4
F12	Internet, E-Banking, E-Payments, E-mails.	4
Code	General	
G1	Finishing School Engineering	240
G2	Finishing School Commerce	240
G3	Finishing School Engineering 4 year plan , 3 year plan	60x4; 80 x3
G4	Faculty Development Program	Customised
G5	Automotive Core Tools	32
G6	Industrial Engineering	32
G7	Automation Engineering Program	192
G8	Career Counselling	2
G9	Certified Automation Engineer	192
G10	Communication Skills	16
G11	Data Analytics	32
G12	Digital Marketing	90
G13	Energy Management	40
G14	Industrial Audits	Customised
G15	Manufacturing Excellence	2-3 years
G16	Mechatronics	240
G17	Quality Assurance Basics	Customised
G18	Total Productive Maintenance	Customised
G19	Operational Excellence	2-3 years
G20	Business Excellence	3-5 years
Code	Personality	
P1	Personality Development / grooming	8
P2	Personality Development short term	4x2
P3	Self Confidence, self esteem, stage bearnig	8
Code	Quality assurance skills	
Q1	Basic Quality Tools	8
Q2	Automotive Core Tools	4
Q3	Automotive Core Tool PPAP	4
Q4	Automotive Core Tool FMEA	4
Q5	Automotive Core Tool SPC	4
Q6	Automotive Core Tool MSA	4
Q7	FMEA	16
Q8	Statistics – capability study of process, machine, measuring instrument	16
Q9	Quality Management Methods and process	8
Q10	FMEA with industry specific solution	24
Q11	14 QC principles	4
Code	Soft Skills	
S1	Business Etiquettes, positive attitude, lateral thinking	8
S2	Communication skills with GD and presentation skills	8
S3	Group discussion & interview techniques	8
S4	Presentation Skills	8
S5	Team Work	8
S6	Time management	4
S7	Teaching Excellence	2x5

S8	Train the Trainer	24
Code	Technical hard skills	
T01	Electrical automation	24
T02	Electronics automation	16
T03	AC motors and AC drives	24
T04	Programming of Allen Bradley MicroLogics PLC	24
T05	Programming of SIEMENS S7 - 1200 PLC	32
T06	Programming of SIEMENS WinCC - SCADA	32
T07	Programming of SIEMENS WinCC Flexible - HMI	8
T08	Programming of SIEMENS S7 - 1200 PLC & WinCC - SCADA	64
T09	Reduce Energy Bill of Electrical Utilities	8
T10	Reduce Energy Bill of Lighting System	8
T11	Reduce Energy Bill of Compressed Air System	8
T12	Reduce Energy Bill of Pumps, Fans and Blowers	8
T13	Electrical Safety	8
T14	Grounding , Shielding and Surge Protection	8
T15	Installation, Troubleshooting & Preventive Maintenance of PLC based Control System	24
T16	Installation, Troubleshooting & Preventive Maintenance of AC Drive based Control System	24
T17	Installation, Troubleshooting & Preventive Maintenance of Electro - Pneumatic System	24
T18	Installation, Troubleshooting & Preventive Maintenance of Electro - Hydraulic System	24
T19	Digital Communication in Industrial Automation	24
T20	PLC : Technology Trends and Applications	8
T21	AC Drive : Technology Trends and Applications	8
T22	SCADA & HMI - Technology Trends	8
T23	Electrical Safety	16
T24	Grounding , Shielding and surge protection	16
T25	Reduction in energy bill of compressed air system	16
T26	Reduction in energy bill of electrical units and utilities	16
T27	Reduction in energy bill of lighting system	16
T28	Reduction in energy bill of pumps, blowers and fans	16
T29	IIoT for Schools	8
T30	IIoT for College	8
T31	IIoT for Industry Professionals	8
T32	Certified Automation Engineer	192
T33	Design and Manufacturing -- workshop method	8
T34	Production Planning -- workshop method	8
T35	Process engineering & development -- workshop method	8
T36	Materials and logistics development -- workshop method	8
T37	Distributed Control System	8
T38	Installation, Troubleshooting & Preventive Maintenance of DC Drive based Control System	8
T39	Automation Engineering Program	192
T40	CNC Machinist level1	Customised
T41	CNC Machinist level2	Customised
T42	CNC Maintenance professional	Customised
T43	Purchase Executive / officer	200
T44	HR Executive	200
T45	Sales Executive	200
T46	Energy management	8

T47	Industry 4.0	8
T48	Material Safety Data Sheets	8
T49	ERP / SAP	8
T50	Mettalurgy, Heat Treatment processes, Heat treatment system assessment (HTSA), CQI9, IS, ASTM standards, NDT	16
T51	Ergonomics	8
T52	Jigs, Fixtures and Die design	8
T53	Hydraulics & Pneumatics	32