

Gujarat Technological University												
Exit Courses for Master of Engineering (ME) after 1st Year (Additional 6-8 Credits)												
Name of Company/Certificate Provider (Mechanical Engineering & Allied Branches) CAD/CAM (68), MACHINE DESIGN (78), MECHANICAL (I.C.ENGINE & AUTOMOBILE ENGINEERING) (80),COMPUTER AIDED DESIGN MANUFACTURE AND ENGINEERING (71),ENERGY ENGINEERING (75),MECHANICAL ENGINEERING (CAD/CAM) (81), CRYOGENIC ENGINEERING(74), COMPUTER AIDED DESIGN AND MANUFACTURE (70), MECHANICAL ENGINEERING (THERMAL ENGINEERING) (83), PRODUCTION ENGINEERING (87),ADVANCED MANUFACTURING TECHNOLOGY (66),MECHANICAL ENGINEERING (PRODUCTION) (82),MECHANICAL CAD/CAM(08), MECHANICAL ENGINEERING(19)												
S. No.	Title of Course	Mode of Delivery	No. of Theory hrs.	No. of Practical Hrs	Total Hrs of Course	Total Credits	Course Fee (INR)	Minimum Batch Size	Do the Courses have Specific Timelines?	Will No. of Hours and Credits Displayed on the Certificate Provided?	Application/Content link	Company Name
1	Cad Using Solidworks	Offline	6	54	60	2	8000	15	No	No		CIPET: IPT - Ahmedabad
2	Cad Using Siemens Nx	Offline	6	54	60	2	8000	15	No	No		
3	Cad Using CREO	Offline	6	54	60	2	8000	15	No	No		
4	Autocad - Mechanical	Offline	24	72	96	4	5900	25	2nd Monday of every month	Yes		Indo German Tool Room (IGTR), Vatva, Ahmedabad
5	Solid Works	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
6	Creo	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
7	3D Printing	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
Name of Company/Certificate Provider (ELECTRONICS & COMMUNICATION ENGINEERING & Allied Branches) ELECTRONICS & COMMUNICATION (SIGNAL PROCESSING & VLSI TECHNOLOGY) (26),ELECTRONICS & COMMUNICATION (WIRELESS COMMUNICATION SYSTEMS AND NETWORKS) (27),ELECTRONICS AND COMMUNICATION ENGINEERING (04),ELECTRONICS AND COMMUNICATION (COMMUNICATION SYSTEM ENGINEERING) (05), VLSI DESIGN (63),ELECTRONICS & COMMUNICATION(VLSI SYSTEM DESIGN) (42)												
S. No.	Title of Course	Mode of Delivery	No. of Theory hrs.	No. of Practical Hrs	Total Hrs of Course	Total Credits	Course Fee (INR)	Minimum Batch Size	Do the Courses have Specific Timelines?	Will No. of Hours and Credits Displayed on the Certificate Provided?	Application/Content link	Company Name
1	VLSI	Offline	24	72	96	4	14160	25	2nd Monday of every month	Yes		CIPET: IPT - Ahmedabad
2	Robotics and Automation	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
3	Artificial Intelligence (AI) for Real world Application	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/ihe/artificial-intelligence-real-world-application-course/?utm_source=gtu	TCSion
4	Machine Learning for Real-World Application	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/ihe/machine-learning-for-real-world-application-course/?utm_source=gtu	
Name of Company/Certificate Provider (Civil Engineering & Allied Branches) (STRUCTURAL ENGINEERING) (20),CIVIL (CONSTRUCTION ENGINEERING AND MANAGEMENT)(14), CIVIL ENGINEERING (TRANSPORTATION ENGINEERING) (69),CIVIL ENGINEERING (65),CIVIL (WATER RESOURCES ENGINEERING) (33),ENVIRONMENTAL MANAGEMENT (18),GEOTECHNICAL ENGINEERING (76), STRUCTURAL ENGINEERING (89)												
S. No.	Title of Course	Mode of Delivery	No. of Theory hrs.	No. of Practical Hrs	Total Hrs of Course	Total Credits	Course Fee (INR)	Minimum Batch Size	Do the Courses have Specific Timelines?	Will No. of Hours and Credits Displayed on the Certificate Provided?	Application/Content link	Company Name
1	Autocad - Civil	Offline	24	72	96	4	5900	25	2nd Monday of every month	Yes		CIPET: IPT - Ahmedabad
2	Revit Architecture	Offline	24	72	96	4	14160	25	2nd Monday of every month	Yes		
Name of Company/Certificate Provider (Electrical Engineering& Allied Branches) ELECTRICAL ENGINEERING(07),POWER ELECTRONICS(29),ELECTRIC VEHICAL TECHNOLOGY (64),POWER ELECTRONICS AND ELECTRICAL DRIVES(85),POWER SYSTEMS (86)												
S. No.	Title of Course	Mode of Delivery	No. of Theory hrs.	No. of Practical Hrs	Total Hrs of Course	Total Credits	Course Fee (INR)	Minimum Batch Size	Do the Courses have Specific Timelines?	Will No. of Hours and Credits Displayed on the Certificate Provided?	Application/Content link	Company Name
1	Introduction to Electric Vehicles	Offline	0	90	90	3	22500	10	No	Yes	https://drive.google.com/file/d/1k1bu6dfHDAH64CSV_Eq_0ODBCnz7_ol/view?usp=sharing	
2	Basics of Electric Vehicles	Offline	0	90	90	3	22500	10	No	Yes	https://drive.google.com/file/d/1KL31rieT0uZ_3ETNNupt380AdxLtOW/view?usp=sharing	

3	Electric & Hybrid Vehicle Technology	Offline	0	120	120	3	30000	10	No	Yes	https://drive.google.com/file/d/1HVO-MSJ42X4GbEGr_bDE4gW8-CQbNblC/view?usp=sharing	iACE by Maruti Suzuki
4	Introduction to Automotive Manufacturing	Offline	0	90	90	3	22500	10	No	Yes	https://drive.google.com/file/d/1hq4fEzLzOyF6rQKgbQM-D2p9IDzs1m6x/view?usp=sharing	
5	The Design Thinking - Practitioner's Perspective course	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/the-design-thinking-practitioners-perspective-course/?utm_source=gtu	TCSiON
6	Artificial Intelligence (AI) for Real world Application	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/the-artificial-intelligence-real-world-application-course/?utm_source=gtu	
7	Machine Learning for Real-World Application	Online	60	30	90	5	8000	No	NO	Yes	https://www.tcsion.com/courses/the-machine-learning-for-real-world-application-course/?utm_source=gtu	
8	Application of Deep Learning and Neural Networks	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/the-deep-learning-neural-networks-course/?utm_source=gtu	

Name of Company/Certificate Provider Textile Engineering(25) Branch

S. No.	Title of Course	Mode of Delivery	No. of Theory hrs.	No. of Practical Hrs	Total Hrs of Course	Total Credits	Course Fee (INR)	Minimum Batch Size	Do the Courses have Specific Timelines?	Will No. of Hours and Credits Displayed on the Certificate Provided?	Application/Content link	Company Name
1	CAD Using Solidworks	Offline	6	54	60	2	8000	15	No	No		CIPET: IPT - Ahmedabad
2	Design & Manufacturing Through Cad/Cam Software (Solidworks, Siemens Nx, Creo & Ansys)	Offline	12	108	120	5	15000	15	No	No		
3	Solid Works	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		Indo German Tool Room (IGTR), Vatva, Ahmedabad
4	ANSYS	Offline	24	72	96	4	22420	25	2nd Monday of every month	Yes		
5	3D Printing	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
6	The Design Thinking - Practitioner's Perspective course	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/the-design-thinking-practitioners-perspective-course/?utm_source=gtu	TCSiON
7	Artificial Intelligence (AI) for Real world Application	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/courses/the-artificial-intelligence-real-world-application-course/?utm_source=gtu	

**Name of Company/Certificate Provider (Instrumentation & Control Engineering& Allied Branches)
BIOMEDICAL ENGINEERING (31), APPLIED INSTRUMENTATION (67), INSTRUMENTATION AND CONTROL ENGINEERING (17)**

S. No.	Title of Course	Mode of Delivery	No. of Theory hrs.	No. of Practical Hrs	Total Hrs of Course	Total Credits	Course Fee (INR)	Minimum Batch Size	Do the Courses have Specific Timelines?	Will No. of Hours and Credits Displayed on the Certificate Provided?	Application/Content link	Company Name
1	Solid Works	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		Indo German Tool Room (IGTR), Vatva, Ahmedabad
2	Creo	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
3	Catia	Offline	24	72	96	4	17700	25	2nd Monday of every month	Yes		
4	NX CAD	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
5	Mastercam	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
6	Nx Cam	Offline	24	72	96	4	12980	25	2nd Monday of every month	Yes		
7	ANSYS	Offline	24	72	96	4	22420	25	2nd Monday of every month	Yes		
8	3D Printing	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		
9	Autocad - Civil	Offline	24	72	96	4	5900	25	2nd Monday of every month	Yes		
10	3DS MAX	Offline	24	72	96	4	11800	25	2nd Monday of every month	Yes		
11	VLSI	Offline	24	72	96	4	14160	25	2nd Monday of every month	Yes		
12	Plc Programming	Offline	24	72	96	4	14160	25	2nd Monday of every month	Yes		
13	Scada	Offline	24	72	96	4	11800	25	2nd Monday of every month	Yes		
14	Robotics And Automation	Offline	24	72	96	4	15340	25	2nd Monday of every month	Yes		

15	Electrical Cad	Offline	24	72	96	4	9440	25	2nd Monday of every month	Yes		Name of Company/Certificate Provider - CIPET: IPT - Ahmedabad
16	Project Work On Ansys Software	OFFLINE	6	54	60	2	10000	15	No	No		
17	Programming & Operation Of Cnc Milling Machine	OFFLINE	8	64	72	3	10000	15	No	No		
18	Rapid Prototyping Using Fdm	OFFLINE	20	25	45	2	12000	15	No	No		
19	Operation & Programming Of Cnc - Edm & Wedm	OFFLINE	6	54	60	2	15000	15	No	No		
20	Cad Using Solidworks	Offline	6	54	60	2	8000	15	No	No		
21	Cad Using Siemens Nx	Offline	6	54	60	2	8000	15	No	No		
22	Cad Using Creo	Offline	6	54	60	2	8000	15	No	No		
23	Cad/Cam Using Creo	Offline	9	81	90	4	10000	15	No	No		
24	CAD/CAM -Siemens NX With Mold Design and Development	Offline	12	108	120	5	12000	15	No	No		
25	CAD/CAM SIEMENS NX	Offline	9	81	90	4	10000	15	No	No		
26	Cad/Cam Siemens Nx Interfacing With Vmc Machine	Offline	12	108	120	5	12000	15	No	No		
27	Vmc Programming Through Mastercam	Offline	9	81	90	4	10000	15	No	No		
28	Design & Manufacturing Through Cad/Cam Software (Solidworks, Siemens Nx, Creo & Ansys)	Offline	12	108	120	5	15000	15	No	No		
29	Introduction to Electric Vehicles	Offline	0	90	90	3	22500	10	No	Yes	https://drive.google.com/file/d/1kJ1bu6dHDAH64CSVEq_00DBCnz7_ol/view?usp=sharing	iACE by Maruti Suzuki
30	Basics of Electric Vehicles	Offline	0	90	90	3	22500	10	No	Yes	https://drive.google.com/file/d/1KL31ri-eT0uZ_3ETNNupt380AdxLtlQW/view?usp=sharing	
31	Electric & Hybrid Vehicle Technology	Offline	0	120	120	3	30000	10	No	Yes	https://drive.google.com/file/d/1HVO-MSJ42X4GbEGr_bDE4gW8-CQbNblC/view?usp=sharing	
32	Introduction to Automotive Manufacturing	Offline	0	90	90	3	22500	10	No	Yes	https://drive.google.com/file/d/1hq4fEzLzOyF6rQKgbQM-D2p9lDzs1m6x/view?usp=sharing	
33	The Design Thinking - Practitioner's Perspective course	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/course/s/ihc/design-thinking-practitioners-perspective-course/?utm_source=gtu	TCSION
34	Artificial Intelligence (AI) for Real world Application	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/course/s/ihc/artificial-intelligence-real-world-application-course/?utm_source=gtu	
35	Machine Learning for Real-World Application	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/course/s/ihc/machine-learning-for-real-world-application-course/?utm_source=gtu	
36	Application of Deep Learning and Neural Networks	Online	60	30	90	5	8000	No	No	Yes	https://www.tcsion.com/course/s/ihc/deep-learning-neural-networks-course/?utm_source=gtu	