

Semester I

Sr. No	Course Code	Name of the Course	Teaching scheme			Evaluation Scheme			Credits	Total Marks		
			L	T	P	IA	MSE	ESE				
General Education												
			Theory									
1	BVTMC101	Machine Tool Technology	3	0	0	10	0	40	3	50		
2	BVTMC102	General Mechanical Engineering - II	3	0	0	10	0	40	3	50		
3	BVTMC103	Industrial Engineering	3	0	0	10	0	40	3	50		
4	BVTMC104	Metrology and Measuring Instruments	3	0	0	10	0	40	3	50		
Total									12	200		
Skill Components												
			Lab/Practical									
5	BVTML105	Metrology and Measuring Instruments Lab	0	0	1	25	0	25	1.5	50		
6	BVTML106	Machine Tool Technology Lab.	0	0	1	25	0	25	1.5	50		
On-Job-Training (OJT)/Qualification Packs (Any One)												
7	BVTME117	Metal Arc Welding (CSC/Q0204)	200						15		200	
8	BVTME128	MIG MAG or GMAW Welder (CSC/Q0209)										
9	BVTME139	Assistant TIG Welder (CSC/Q0212)										
10	BVTME140	CNC Setter Cum Operator (CSC/Q0120)										
11	BVTME151	CNC Operator – VMC (CSC/Q0116)										
Total									18	300		

Semester II

Sr. No	Course Code	Name of the Course	Teaching scheme			Evaluation Scheme			Credits	Total Marks		
			L	T	P	IA	MSE	ESE				
General Education												
			Theory									
1	BVTMC201	Industrial Management	3	0	0	10	0	40	3	50		
2	BVTMC202	Total Quality Management	3	0	0	10	0	40	3	50		
3	BVTMC203	Entrepreneurship	3	0	0	10	0	40	3	50		
Total									9	150		
Skill Components												
			Lab/Practical									
5	BVTML204	Project	0	0	3	75	0	75	6	150		
On-Job-Training (OJT)/Qualification Packs (Any one more QP to be opted from the QPs mentioned in the semester I)												
7	BVTME117	Metal Arc Welding (CSC/Q0204)	200						15		200	
8	BVTME128	MIG MAG or GMAW Welder (CSC/Q0209)										
9	BVTME139	Assistant TIG Welder (CSC/Q0212)										
10	BVTME140	CNC Setter Cum Operator (CSC/Q0120)										
11	BVTME151	CNC Operator – VMC (CSC/Q0116)										
Total									21	350		

Semester III

Sr. No.	Course Code	Name of the Course	Teaching scheme			Evaluation Scheme			Credits	Total Marks		
			L	T	P	IA	MSE	ESE				
General Education												
			Theory									
1	BVTMC301	Tool Engineering - I	3	0	0	10	0	40	3	50		
2	BVTMC302	Production Automation & Computer Integrated Mfg.	3	0	0	10	0	40	3	50		
3	BVTMC303	Fundamentals of Mechatronics	3	0	0	10	0	40	3	50		
	BVTMC304	Machining and Machine Tools	3	0	0	10	0	40	3	50		
Total									12	200		
Skill Components												
			Lab/Practical									
4	BVTML305	Tool Engineering Lab	0	0	1	25	0	25	1.5	50		
	BVTML306	Mechatronics lab	0	0	1	25	0	25	1.5	50		
			On-Job-Training (OJT)/Qualification Packs (Any One)									
5	BVTME317	Service Engineer – Installation (CSC/Q0501)	200						15		200	
6	BVTME328	Quality Inspector – Forged, Casted or Machined Component (CSC/Q0601)										
7	BVTME339	CNC Programmer (CSC/Q0401)										
8	BVTME340	Maintenance Fitter – Mechanical (CSC/Q901)										
	BVTME351	CNC Setter Cum Operator – VMC (CSC/Q0123)										
Total									18	300		

Semester IV

Sr. No.	Course Code	Name of the Course	Teaching scheme			Evaluation Scheme			Credits	Total Marks	
			L	T	P	IA	MSE	ESE			
General Education											
			Theory								
1	BVTMC401	Good Manufacturing Concepts Practices–II	3	0	0	10	0	40	3	50	
2	BVTMC402	Manufacturing & Quality Norms	3	0	0	10	0	40	3	50	
3	BVTMC403	Good Manufacturing Concepts & Practices–III	3	0	0	10	0	40	3	50	
4	BVTMC404	Electronics Devices Circuit –II	3	0	0	10	0	40	3	50	
		Total							12	200	
Skill Components											
5	BVTML405	Electronics Devices Circuit –II Lab	0	0	1	25	0	25	1.5	50	
6	BVTML406	Manufacturing Practices	0	0	1	25	0	25	1.5	50	
			On-Job-Training (OJT)/Qualification Packs (Any One)								
7	BVTME417	Purchase Executive (ELE/Q5701)	200							15	200
8	BVTME428	Quality Engineer (ELE/Q7901)									
		Total							18	300	

Semester V

Sr. No.	Course Code	Name of the Course	Teaching scheme			Evaluation Scheme			Credits	Total Marks
			L	T	P	IA	MSE	ESE		
General Education										
			Theory							
1	BVTMC501	Valuation & Storage	3	0	0	10	0	40	3	50
2	BVTMC502	Shelf Life, Ware House Operations Management & Material Transactions	3	0	0	10	0	40	3	50
3	BVTMC503	Industrial Electronics Product Design	3	0	0	10	0	40	3	50
4	BVTMC504	Pre-Production Activities	3	0	0	10	0	40	3	50
Total									12	200
Skill Components										
5	BVTML505	Pre-Production Activities-Lab	0	0	1	25	0	25	1.5	50
6	BVTML506	Valuation & Storage-Lab	0	0	1	25	0	25	1.5	50
On-Job-Training (OJT)/Qualification Packs (Any One)										
7	BVTME517	Product Engineer (ELE/Q4201)	200						15	200
8	BVTME528	Incoming QC Technician (ELE/Q4401)								
9	BVTME539	Assembly Supervisor (ELE/Q6305)								
Total									18	300

Semester VI

Sr. No.	Course Code	Name of the Course	Teaching scheme			Evaluation Scheme			Credits	Total Marks	
			L	T	P	IA	MSE	ESE			
General Education											
Theory											
1	BVTMC601	Entrepreneurship/Accounting/Management	3	1	0	20	0	80	3	100	
		Total							3	100	
Skill Components											
Lab/Practical											
2	BVTML602	Project Work	0	0	4	100	0	100	12	200	
On-Job-Training (OJT)/Qualification Packs (Any One)											
3	BVTME613	FPGA Design Engineer (ELE/Q8201)	200							15	200
4	BVTME624	Sales Executive-Consumer Electronics (ELE/Q3201)									
		Total							27	400	