

Curriculum for Undergraduate Degree (B.VOC) in Automotive Manufacturing Technology (w.e.f. AY: 2021-22)

Part I: Course Structure & Semester wise Credit Distribution

Sl. No	Code	Paper	Marks	Credits
SEMESTER-I				
THEORY				
1	BAMV101	Applied Mathematics	50	3
2	BAMV102	Basic Electricity	50	3
3	BAMV103	English Language and Communicative Skills	50	3
4	BAMV104	Manufacturing Technology I	50	3
5	BAMV105	Motor Vehicle Technology-I	50	3
PRACTICAL				
1	BAMP101	Engineering Graphics	50	1.5
2	BAMP102	English Language and Communicative Skills Lab	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
TOTAL CREDITS				30
SEMESTER-II				
THEORY				
1	BAMV201	Basic Electronics	50	3
2	BAMV202	Material Science and Material	50	3
3	BAMV203	Motor Vehicle Technology-II	50	3
4	BAMV204	Two and Three-Wheeler	50	3
PRACTICAL				
1	BAMP201	Mechanical Workshop Practice	50	1.5
2	BAMP202	Automobile Workshop	50	1.5
3	BAMP203	Project	50	3
Industrial/ On-Job-Training (OJT)			150	12
TOTAL CREDITS				30

Sl. No	Code	Paper	Marks	Credits
SEMESTER-III				
THEORY				
1	BAMV301	Automobile Electrical Equipment and systems	50	3
2	BAMV302	Manufacturing Technology II	50	3
3	BAMV303	Automobile Engines	50	3
4	BAMV304	Mass Production Devices	50	3
5	BAMV305	Metrology and Measuring Instruments	50	3
PRACTICAL				
1	BAMP301	Metrology and Measuring Instruments Lab	50	1.5
2	BAMP302	Automotive Electrical Lab.	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
TOTAL CREDITS				30
SEMESTER-IV				
THEORY				
1	BAMV401	Fundamentals of mechatronics	50	3
2	BAMV402	Automotive Refrigeration and Air Conditioning	50	3
3	BAMV403	Vehicle Performance and Testing	50	3
4	BAMV404	Automobile Drawing & Design	50	3
5	BAMV405	Automobile Engine Systems	50	3
PRACTICAL				
1	BAMP401	Vehicle Performance and Testing Lab	50	1.5
2	BAMP402	Machine Tools Technology Lab	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
TOTAL CREDITS				30

Sl. No	Code	Paper	Marks	Credits
SEMESTER-V				
THEORY				
1	BAMV501	Entrepreneurship	50	3
2	BAMV502	Automotive System Design	50	3
3	BAMV503	Industrial Engineering & Safety Engineering	50	3
4	BAMV504	CAD & CAM	50	3
5	BAMV505	Plant Layout & Product Handling	50	3
PRACTICAL				
1	BAMP501	CAD/CAM Lab	50	1.5
2	BAMP502	Material Testing Lab	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
TOTAL CREDITS				30
SEMESTER-VI				
THEORY				
1	BAMV601	Rapid Prototyping and reverse Engineering	50	3
2	BAMV602	Production Planning & Control	50	3
3	BAMV603	Industrial Management	50	3
4	BAMV604	Agile and Lean Manufacturing	50	3
PRACTICAL				
4	BAMP601	Project	200	6
Industrial/ On-Job-Training (OJT)			150	12
TOTAL CREDITS				30

V: General Vocational, P: Vocational Practical