

## Curriculum for Undergraduate Degree (B.VOC) in Automobile Servicing (w.e.f. AY: 2021-22)

### Part I: Course Structure & Semester wise Credit Distribution

Sl. No	Code	Paper	Marks	Credits
<b>SEMESTER-I</b>				
<b>THEORY</b>				
1	BAS 101	Applied Mathematics	50	3
2	BAS 102	Basic Electricity	50	3
3	BAS 103	English Language and Communicative Skills	50	3
4	BAS 104	Manufacturing Technology	50	3
5	BAS 105	Motor Vehicle Technology-I	50	3
<b>PRACTICAL</b>				
1	BASP101	Engineering Graphics	50	1.5
2	BASP102	English Language and Communicative Skills Lab	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
<b>TOTAL CREDITS</b>				<b>30</b>
<b>SEMESTER-II</b>				
<b>THEORY</b>				
1	BAS 201	Basic Electronics	50	3
2	BAS 202	Material Science and Material	50	3
3	BAS 203	Motor Vehicle Technology-II	50	3
4	BAS 204	Two and Three Wheeler	50	3
<b>PRACTICAL</b>				
1	BASP201	Mechanical Workshop Practice-I	50	1.5
2	BASP202	Metrology and Measuring Instruments Lab	50	1.5
3	BASP203	Project	50	3
Industrial/ On-Job-Training (OJT)			150	12
<b>TOTAL CREDITS</b>				<b>30</b>



# MCKV INSTITUTE OF ENGINEERING

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243 G.T. Road (N), Liluah, Howrah- 711204, West Bengal, India

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Sl. No	Code	Paper	Marks	Credits
<b>SEMESTER-III</b>				
<b>THEORY</b>				
1	BAS 301	IT Tools	50	3
2	BAS 302	Total Quality Management	50	3
3	BAS 303	Automobile Engines	50	3
4	BAS 304	Automobile Electrical Equipments	50	3
5	BAS 305	Alternative Fuel & Emission Control	50	3
<b>PRACTICAL</b>				
1	BASP301	IT Lab	50	1.5
2	BASP302	Automobile Workshop Practice-I	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
<b>TOTAL CREDITS</b>				<b>30</b>
<b>SEMESTER-IV</b>				
<b>THEORY</b>				
1	BAS 401	Industrial Management	50	3
2	BAS 402	Automotive Refrigeration and Air Conditioning	50	3
3	BAS 403	Hybrid and Electric Vehicles	50	3
4	BAS 404	Automobile Engine Systems	50	3
5	BAS 405	Vehicle Performance and Testing	50	3
<b>PRACTICAL</b>				
1	BASP 401	Refrigeration and Air Conditioning Lab	50	1.5
2	BASP 402	Vehicle Performance and Testing Lab	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
<b>TOTAL CREDITS</b>				<b>30</b>



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Sl. No	Code	Paper	Marks	Credits
<b>SEMESTER-V</b>				
<b>THEORY</b>				
1	BAS 501	Entrepreneurship	50	3
2	BAS 502	Automotive System Design	50	3
3	BAS 503	Garage Organization & Transport Management	50	3
4	BAS 504	Automotive Electrical and Electronics	50	3
5	BAS 505	Auto Body Repair, Denting & Painting	50	3
<b>PRACTICAL</b>				
1	BASP501	Automobile Workshop-II	50	1.5
2	BASP502	Auto Body Repair, Denting & Painting Workshop	50	1.5
Industrial/ On-Job-Training (OJT)			150	12
<b>TOTAL CREDITS</b>				<b>30</b>
<b>SEMESTER-VI</b>				
<b>THEORY</b>				
1	BAS 601	Customer Relations Management	50	3
2	BAS 602	Automobile Maintenance Service & Repairs	50	3
3	BAS 603	Auto NVH	50	3
4	BAS 604	Off Road Vehicles	50	3
<b>PRACTICAL</b>				
1	BASP601	Project	150	6
Industrial/ On-Job-Training (OJT)			150	12
<b>TOTAL CREDITS</b>				<b>30</b>

BAS: B.VOC in Automobile Servicing; BASP: B.VOC in Automobile Servicing Practical