

B.E. in Automobile Engineering
Scheme of Teaching and Examinations 2025

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2025-26)

III SEMESTER

Sl. No.	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching & Learning Scheme					Examination				Credits		
					CI		LI	#TW & SL	# TH/S	Duration in hours	CIE Marks	SEE Marks	Total Marks			
					L	T	P									
1	ASC	1BMATM301	Transforms and Statistics	Mathematics Department	42	28	0	50	120	3	50	50	100	4		
2	IPCC	1BMR302	Manufacturing Processes	Automobile Engineering	42	0	28	50	120	3	50	50	100	4		
3	PCC	1BAU303	Engineering Thermodynamics	Automobile Engineering	42	0	0	48	90	3	50	50	100	3		
4	PCC	1BME304	Mechanics of Materials	Automobile Engineering	42	0	0	48	90	3	50	50	100	3		
5	PCC	1BMR305	Material Science and Measurement Systems	Automobile Engineering	42	0	0	48	90	3	50	50	100	3		
6	PCCL	1BMEL306	Computer Aided Machine Drawing Lab	Automobile Engineering	0	0	56	4	60	2	50	50	100	2		
7	AEC	1BMEL307x	Ability Enhancement Course Laboratory	Automobile Engineering	0	0	28	2	30	2	50	50	100	1		
8	SDC	1BCP308	Community Project (Project-Based Learning) / Societal Project	Automobile Engineering	0	0	0	30	30	2	50	50	100	1		
9	NCMC	1BNSS309	National Service Scheme (NSS)	Campus	NSS coordinator		0	0	0	28	28	--	100	---	100	PP
		Physical Education (PE) (Sports and Athletics)														
		Yoga														
		Music														
Total											500	400	900	21		
10	NCMC	1BMATDIP310	Mathematics Course for Lateral Entry Students	Mathematics Department	14	0	0	14	28	3	100	---	100	PP		
Total									686		600	400	1000	21		

TH/S- Total Hours per Semester, TW & SL- Term Work & Self Learning

Ability Enhancement Course (Laboratory) (1BMEL307x)			
1BMEL307A	MATLAB for Engineering Computation	1BMEL307C	Spread Sheet for Engineers
1BMEL307B	Virtual Reality	1BMEL307D	Prompt Engineering

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IV SEMESTER																
Sl. No.	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching & Learning Scheme					Examination				Credits		
					CI		LI	#TW & SL	# TH/S	Duration in hours	CIE Marks	SEE Marks	Total Marks			
					L	T	P									
1	ASC	1BMATM401	Complex Analysis and Probability Distributions	Mathematics Department	42	0	0	48	90	3	50	50	100	3		
2	IPCC	1BAU402	Automotive Engines	Automobile Engineering	42	0	28	50	120	3	50	50	100	4		
3	PCC	1BAU403	Theory of Machines	Automobile Engineering	42	28	0	50	120	3	50	50	100	4		
4	PCC	1BME404	Fluid Mechanics	Automobile Engineering	42	0	0	48	90	3	50	50	100	3		
5	PCCL	1BMEL405	Mechanical Measurements and Metrology Lab	Automobile Engineering	0	0	28	02	30	2	50	50	100	1		
6	AEC	1BMEL406x	Ability Enhancement Course Laboratory	Automobile Engineering	0	0	28	02	30	2	50	50	100	1		
7	BSC	1BAU407	Biology for Engineers	Automobile Engineering	28	0	0	32	60	3	50	50	100	2		
8	SDC	1BEP408	Environmental Science Project	Automobile Engineering	0	0	0	30	30	3	50	50	100	1		
9	PCC	1BAU409	Automotive Transmission	Automobile Engineering	42	0	0	48	90	3	50	50	100	3		
10	NCMC	1BNSK409	National Service Scheme (NSS)	Campus	NSS coordinator		0	0	0	28	28	-	100	--	100	PP
		Physical Education (PE) (Sports and Athletics)			Physical Education Director											
		Yoga			Yoga Teacher											
		1BMUS409			Music											
Total											550	450	1000	22		
11	NCMC	1BMATDIP410	Mathematics Course for Lateral Entry Students	TD/PSB -Maths Dept	14	0	0	14	28	--	100	--	100	PP		
Total									688		650	450	1100	22		

Ability Enhancement Course (Laboratory) (1BMEL406x)

1BMEL406A	Machine Learning using Python	1BMEL406C	Simulation of Kinematic Systems
1BMEL406B	PLC and Automation	1BMEL406D	Surface Modelling