

School Name: School of Engineering
Department Name : Mechanical Engineering
Programme Name: B.Tech in Automobile Engineering
Scheme: 2018-2022

SEMESTER I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BTME1001	Introduction to Mechanical Engineering	0	0	2	1
2	BCSE1002	Computer Programming and Problem Solving	0	0	4	2
3	UHVE1001	Universal Human Values and Ethics	0	0	4	2
4	MATH1005	Calculus	3	0	0	3
5	MATH1007	Exploration with CAS-I	0	0	2	1
6	PHYS1001	Engineering Physics	3	0	0	3
7	PHYS1002	Engineering Physics lab	0	0	2	1
8	SLBT1011	English Proficiency and Aptitude Building - I	0	0	4	2
9	JAPA1001	JAPANESE -I	0	0	2	1
	FREN1001	FRENCH -I				
	GERN1001	GERMAN -I				
10	CHEM1001	Engineering Chemistry	3	0	0	3
11	CHEM1002	Engineering Chemistry Lab	0	0	2	1
12	BTME1002	Product Design using Graphics	0	0	4	2

SEMESTER II						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BCSE1003	Application Oriented Programming using Python	0	0	4	2
2	PSSO1001	Psychology and Sociology	2	0	0	2
3	MATH1006	Linear Algebra and Differential Equations.	3	0	0	3
4	MATH1008	Exploration with CAS-II	0	0	2	1
5	SLBT1012	English Proficiency and Aptitude Building - II	0	0	4	2
6	JAPA1002	JAPANESE -II	0	0	2	1
	FREN1002	FRENCH -II				
	GERN1002	GERMAN -II				
7	ENVS1001	Environmental Science	3	0	0	3
8	BEEE1002	Basic Electrical and Electronics Engineering	3	0	0	3
9	BEEE1003	Basic Electrical and Electronics Engineering	0	0	2	1
10	BTME1003	Product Manufacturing	0	0	2	1

SEMESTER III						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BTME2001	Engineering Mechanics	3	0	0	3
2	BTME2002	Engineering Thermodynamics	3	0	0	3
3	BTME2003	Manufacturing Processes I	3	0	0	3
4	BTME2015	Material Science	3	0	0	3
5	MATH2008	Functions of complex variables and Transfo	3	1	0	4
6	SLBT2021	English Proficiency and Aptitude Building	0	0	4	2
7	BTME2004	Manufacturing Processes I Laboratory	0	0	2	1
8	BTME2005	Machine Drawing Laboratory	0	0	2	1
9	BTME2006	SKILL-1 (Solid Works)	0	0	2	1
10	BTME2007	PBL-1 (Machine Drawing / Mechanics)	0	0	2	1
11	BTME2016	Material Science Laboratory	0	0	2	1

SEMESTER IV						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BTME2008	Mechanics of Material	3	0	0	3
2	BTME2009	Fluid Mechanics	3	0	2	4
3	BTME2010	Manufacturing Processes II and Metrology	3	0	0	3
4	MATH2003	Probability and Statistics	3	0	0	3
5	BTME9001	Disruptive Technologies	3	0	0	3
6	BTME2043	AI and its Applications in Mechanical Engin	3	0	0	3
7	BTME2014	PBL-2 (Material microstructures)	0	0	2	1
8	SLBT2022	English Proficiency and Aptitude Building	0	0	4	2
9	BTME2011	Fluid Mechanics Laboratory	0	0	2	1
10	BTME2012	Mechanics of Material Laboratory	0	0	2	1
11	BTME2013	Manufacturing Processes II and Metrology I	0	0	2	1

SEMESTER V						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BAUT3001	Automotive Engines	3	0	0	3
2	BAUT3002	Heat Engineering	3	0	0	3
3	BTME3002	Kinematics of Machines	3	0	0	3
4	PE01	Program Elective - 1	3	0	0	3
5	PE02	Program Elective - 2	3	0	0	3
6	PE03	Program Elective - 3	3	0	0	3
7	SLBT3031	English Proficiency and Aptitude Building -	0	0	4	2
8	BTME3017	AI & Machine Learning using Python	0	0	4	2
9	BAUT3003	Heat Engineering Lab	0	0	2	1

SEMESTER VI						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BTME3025	Machine Design(PBL)	4	0	0	4
2	BAUT3004	Automotive Chassis and Body Engineering	3	0	0	3
3	BTME3008	Dynamics of Machines	3	0	0	3
4	BAUT3005	Automotive Transmission Systems	3	0	0	3
5	PE04	Program Elective - 4	3	0	0	3
6	PE05	Program Elective - 5	3	0	0	3
7	SLBT3002	Soft Skill - 6 (Campus to Corporate)	0	0	4	2
8	BTME3019	Dynamics of Machines Laboratory	0	0	2	1
9	MAT3010	Numerical Method	2	0	0	2
10	MAT252	Numerical Method Lab	0	0	2	1

SEMESTER VII						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BAUT4001	CAD/CAM	3	0	0	3
2	BAUT4006	Pollution control and Lubrication Engineering	3	0	0	3
3	BTME4005	Optimization Techniques and Applications	2	0	0	2
4	BTME4006	Quality and Reliability Engineering	1	0	0	1
5	BTME4010	Project Management	2	0	0	2
6	BTME4004	Comprehensive Examination	0	0	2	1
7	BAUT4004	CAD/CAM Laboratory	1	0	0	1
8	BTAUT4008	Industrial Internship	0	0	0	2
9	BAUT9991	Capstone Project- Phase I	0	0	0	2

SEMESTER VIII						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BAUT9992	Capstone Project- Phase II	0	0	0	9

Electives						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BAUT3055	Two And Three Wheeled Vehicles	3	0	0	3
2	BAUT3051	Vehicles Dynamics	3	0	0	3
3	BAUT3054	Alternative Fuels & Energy Systems	3	0	0	3
4	BAUT3058	Electric and Hybrid Vehicles	3	0	0	3
5	BAUT3063	Aerodynamic Design of Vehicles	3	0	0	3



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