

School Name: School of Engineering
Department Name : Mechanical Engineering
Programme Name: B.Tech in Automobile Engineering
Scheme: 2017-2021

SEMESTER I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BCSE1002	Computer Programming and Problem Solving	0	0	4	2
2	BEEE1002	Basic Electrical and Electronics Engineering	3	0	0	3
3	BEEE1003	Basic Electrical and Electronics Engineering Lab	0	0	2	1
4	BTME1003	Product Manufacturing	0	0	2	1
5	BTME1001	Introduction to Mechanical Engineering	0	0	2	1
6	ENVS1001	Environmental Science	3	0	0	3
7	MATH1001	Multivariable Calculus	3	0	0	3
8	MATH1002	Exploration with CAS-I	0	0	2	1
9	SLBT1001	Basic English	0	0	4	2
10	JAPA1001 /FREN1001 /GERN1001	JAPANESE -I / FRENCH -I / GERMAN -I	0	0	2	1
11	PHYS1001	Engineering Physics	3	0	0	3
12	PHYS1002	Engineering Physics lab	0	0	2	1
13	PSSO1001	Psychology and Sociology	2	0	0	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	BTME1002	Product Design using Graphics	0	0	4	2
3	MATH1003	Matrices and Differential equations	3	0	0	3
4	MATH1004	Exploration with CAS-II	0	0	2	1
5	SLBT1002	English Proficiency and Aptitude Building - 1	0	0	4	2
6	JAPA1002	JAPANESE -II	0	0	2	1
8	CHEM1002	General Chemistry Lab	0	0	2	1
9	PHYS1003	Physics of Materials	3	0	0	3
10	PHYS1005	Advance Physics Lab	0	0	2	1
11	UHVE1001	Universal Human Values and Ethics	0	0	4	2

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	MATH2001	Functions of complex variables and Transforms	3	0	0	3
5	SLBT2001	English Proficiency and Aptitude Building – 2	0	0	4	2
6	BTME2004	Manufacturing Processes I Laboratory	0	0	2	1
7	BTME2005	Machine Drawing Laboratory	0	0	2	1
8	BTME2006	SKILL-1 (Solid Works)	0	0	2	1
9	BTME2007	PBL-1 (Machine Drawing / Mechanics)	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	0	3
3	BTME2010	Manufacturing Processes II and Metrology	3	0	0	3
4	MATH2003	Probability and Statistics	3	0	0	3
5	BBAD 1003	Microeconomics	3	0	0	3
6	UE1	Management Course (from basket)	3	0	0	3
7	SLBT2002	English Proficiency and Aptitude Building – 3	0	0	4	2
8	BTME2011	Fluid Mechanics Laboratory	0	0	2	1
9	BTME2012	Mechanics of Material Laboratory	0	0	2	1
10	BTME2013	Manufacturing Processes II and Metrology Laboratory	0	0	2	1
11	BTME2014	PBL-2 (Material microstructures)	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	MATH3010	Numerical Methods	2	0	0	2
5	PE01	Program Elective - 1	3	0	0	3
6	PE02	Program Elective - 2	3	0	0	3
7	PE03	Program Elective - 3	3	0	0	3
8	SLBT3001	English Proficiency and Aptitude Building – 4	0	0	4	2
9	MAT252	Numeric Methods Lab	0	0	2	1
10	BAUT3003	Heat Engineering Lab	0	0	2	1
11	BTME3005	PBL-3 (Applied Thermodynamics)	0	0	2	1
12	BTME3016	IT Skill Development on OOPs and DBMS	0	0	2	1

SEMESTER VI						
Sl. No.	Course Code	Course Title	L	T	P	C
1	BTME3007	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		Elective-IV	3	0	0	3
6		Elective-V	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	BTME3017	AI & Machine Learning using Python	0	0	4	2

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	?	?	?	2

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