GALGOTIAS UNIVERSITY
(Under the Uttar Pradesh Private Universities Act No. 12 of 2019)

Plot No. 2, Sector - 17A, Yamuna Expressway, Greater Noida, Distt.: Gautam Budha Nagar, Uttar Pradesh (India) 203201
Website : www.galgotiasuniversity.edu.in

School Name: School of Engineering
Department Name : Mechanical Engineering
Programme Name: B.Tech in Automobile Engineering
Scheme: 2019-2023

SEMESTER I						
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	BMA101	Mathematics-I (Multivariable Calculus)	3	0	0	3
2	BMA151	Exploration with CAS-I	0	0	2	1
3	FENG1005	Functional English	2	0	0	2
4	BCS101	Fundamentals of Computer Programming	3	0	0	3
5	BCS151	Fundamentals of Computer Programming Lab – 1	0	0	2	1
6	BPH101	Engineering Physics	3	0	0	3
7	BPH151	Engineering Physics Lab	0	0	2	1
8	BME101	Elements of Mechanical Engineering	3	0	0	3
9	BLE101	Psychology and Sociology	2	0	0	2
10	BME151	Workshop Practice	0	0	2	1
		Total	**16**	**0**	**8**	**20**

SEMESTER II						
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	BMA201	Linear Algebra and Differential Equations	3	0	0	3
2	BMA251	Exploration with CAS-II	0	0	2	1
3	BHS251	Professional Communication Lab	0	0	2	1
4	BOC253	Design and Innovation	0	0	2	1
5	BCH102	Engineering Sciences	3	0	0	3
6	BCH153	Engineering Sciences Lab	0	0	2	1
7	BEC101	Basic Electrical and Electronics Engineering	3	0	0	3
8	BCS901	Disruptive Technologies	3	0	0	3
9	BEC151	Basic Electrical and Electronics Engineering Lab	0	0	2	1
10	BME152	Engineering Graphics	0	0	4	2
11	BCS251	Application of Programming using Python	0	0	2	1
		Total	**12**	**0**	**16**	**20**

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	BTME2024	Material Science	2	0	2	3
5	MATH2001	Functions of complex variables and Transforms	3	0	0	3
6	BTME2021	Artificial Intelligence and Applications	1	0	0	1
7	SLBT2021	English Proficiency and Aptitude Building -3	0	0	4	2
8	BTME2004	Manufacturing Processes I Laboratory	0	0	2	1
9	BTME2005	Machine Drawing Laboratory (PBL)	0	0	4	2
10	BTME2022	SKILL Lab (Solid Works)	0	0	2	1
11	BTME2023	Excel, PPT Training and Hobby class	0	0	2	1
		Total	**15**	**0**	**16**	**23**

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 (PBL)	2	0	2	3
3	BTME2010	Manufacturing Processes II and Metrology	3	0	0	3
4	MATH2003	Probability and Statistics	3	0	0	3
5	BTME2020	Microeconomics	3	0	0	3
6	BTME3021	Applied Thermodynamics	3	0	0	3
7	SLBT2022	English Proficiency and Aptitude Building – 4	0	0	4	2
8	BTME2012	Mechanics of Material Laboratory	0	0	2	1
9	BTME2013	Manufacturing Processes II and Metrology Laboratory	0	0	2	1
10	BTME3023	Additive Manufacturing Lab	0	0	4	2
11	BTME3022	Sensors & Transducers	1	0	0	1
		Total	**18**	**0**	**14**	**25**

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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 - 5	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	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	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	BTME3010	Dynamics of Machines Laboratory	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