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: 2016-2020

		SEMESTER I				
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	LLL111	Basic English	0	0	4	2
2	MAT111	Differential and Integral Calculus	3	1	0	4
3	PHY111	Modern Physics	3	0	0	3
4	PHY151	Physics Lab I	0	0	2	1
5	CHY111	General Chemistry	3	0	0	3
6	CHY151	Chemistry Lab I	0	0	2	1
7	FRE101/	German/French/Japanese Language	2	0	0	2
8	EEE101	Basic Electrical and Electronics Engineering /	3	0	0	3
9	EEE151	Basic Electrical and Electronics Engineering Lab /	0	0	2	1
10	EVS 102	Environmental Science & Energy	3	0	0	3
11	MEE151	Engineering Graphics or	0	0	4	2

		SEMESTER II				
Sl. No.	**Course Code**	**Course Title**	**L**	**T**	**P**	**C**
1	LLL123	English Proficiency and Aptitude Building-1	0	0	4	2
2	MAT122	Matrices and Ordinary Differential Equations	3	1	0	4
3	PHY121	Condensed Matter Physics	3	0	0	3
4	PHY 141	Physics Lab II	0	0	2	1
5	CHY121	Biological Chemistry	3	0	0	3
	CHY122	Nano science and Nanotechnology				
	CHY123	Organic Chemistry				
	CHY124	Physical Chemistry				
6	CHY 141	Chemistry –II Lab	0	0	2	1
7	HUM201	Psychology & Sociology	2	0	0	2
8	EEE101	Basics of Electrical and Electronics engineering	3	0	0	3
9	EEE151	Basics of Electrical and Electronics engineering lab	0	0	2	1
10	LLL101	Universal Human Values and Ethics	3	0	0	3
11	MEE152	Workshop Practice	0	0	2	1

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SEMESTER III						
Sl. No.	Course Code	Course Title	L	T	P	C
1	LLL211	English Proficiency and Apptitude Building-2	0	0	4	2
2	MAT212	Vector calculus ,Function of complex variable and PDE	3	1	0	4
3	MEE211	Engineering Mechanics	3	1	0	3
4	MEE212	Materials Engineering and Technology	3	0	0	3
5	MEE213	Engineering Thermodynamics	3	0	0	3
6	MEE214	Instrumentation and Control Engineering	3	0	0	3
7	MEE251	Advanced Engineering Graphics	0	0	4	2
8	MEE252	Manufacturing Practices	0	0	2	1
9	MEE253	Instrumentation Laboratory	0	0	2	1

SEMESTER IV						
Sl. No.	Course Code	Course Title	L	T	P	C
1	LLL222	English Proficiency and Apptitude Building-3	0	0	4	2
2	MAT221	Numerical Methods	3	0	0	3
3	MEE221	Fluid Mechanics	3	1	0	3
4	MEE222	Strength of Materials	3	0	0	3
5	MEE223	Kinematics of Machinery	3	0	0	3
6	MEE224	Fundamentals of Manufacturing Processes	3	0	0	3
7	MAT241	Numerical Methods Laboratory	0	0	2	1
8	MEE241	Computer Aided Machine Drawing	0	0	4	2
9	MEE242	Strength of Materials Laboratory	0	0	2	1
10	MEE243	Manufacturing Processes Laboratory	0	0	2	1

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Sl. No.	Course Code	Course Title	L	T	P	C
		SEMESTER V				
1	LLL312	English Proficiency and Apptitude Building-4	0	0	4	2
2	MAT311	Probability and Statistics	3	0	0	3
3	MEE311	Dynamics of Machinery	3	0	0	3
4	MEE312	Design of Machine Elements	3	1	0	3
5	MAE311	Automotive Engines	3	0	0	3
6	MAE 312	Automotive Chassis And Body Engineering	3	0	0	3
7	MAE351	Automotive chassis components lab	0	0	2	1
8	MAE352	Automotive engine components lab	0	0	2	1
9	MGT302	Industrial Economics and Management	0	0	2	1
10	MEE351	Dynamics of Machinery Laboratory	0	0	2	1

Sl. No.	Course Code	Course Title	L	T	P	C
		SEMESTER VI				
1	LLL321	Campus -to-Corporate	0	0	4	2
2	MEE321	Design of Transmission Systems	3	1	0	3
3	ITS319	IT Skills in data base				
4	ITS318	IT skills in C and C++ Programming				
5	MAE353	Heat Engineering laboratory	3	0	0	3
6	MAE321	Automotive Noise and Pollution	3	0	0	3
7		Elective-I	3	0	0	3
8		Elective-II	3	0	0	3
9		Elective-III	3	0	0	3
10	MAE341	Computer Aided Engine and Chassis Design Lab	0	0	2	1
11	MAE342	Automotive Fuels and Lubricants Laboratory	0	0	2	1
12	MAE344	Hardware project	0	0	4	2
13	MAE313	Heat Engineering	0	0	2	1

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SEMESTER VII						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MEE411	Operations Research	3	1	0	3
2	MEE413	CAD/CAM	2	0	0	2
3	MAE411	Automotive aerodynamics	3	0	0	3
4		Elective-IV	3	0	0	3
5		Elective-V	3	0	0	3
6	MEE451	CAD/CAM Laboratory	0	0	4	2
7	MAE450	Industrial Internship	-	-	-	2
8	MAE498	Project Work-1	-	-	-	5

SEMESTER VIII						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAE499	Project Work-2	-	-	-	15

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Electives						
Sl. No.	Course Code	Course Title	L	T	P	C
Elective-I						
1	MAE361	Tribology	3	0	0	3
2	MAE362	Vehicle Dynamics	3	0	0	3
3	MEE373	Internal Combustion Engines	3	0	0	3
4	MEE374	Fluid Power Systems	3	0	0	3
Elective-II						
5	MAE363	Automotive HVAC	3	0	0	3
6	MAE364	Automotive Transmission Systems	3	0	0	3
7	MEE378	Fuels and Combustion	3	0	0	3
8	MAE365	Manufacturing of Automotive Components	3	0	0	3
Elective-III						
9	MEE363	Mechanical Vibrations	3	0	0	3
10	MAE366	Computer Simulation of IC Engine Processes	3	0	0	3
11	MAE367	Microprocessor Applications in Automobiles	3	0	0	3
12	MAE368	Alternative Fuels & Energy Systems	3	0	0	3
Elective-IV						
13	MAE471	Vehicle Inspection & Maintenance	3	0	0	3
14	MAE472	Two And Three Wheeled Vehicles	3	0	0	3
15	MAE473	Vehicle Performance Characteristics	3	0	0	3
16	MAE474	Off Road Vehicles (TAFE)	3	0	0	3
17	MEE369	Computational Fluid Dynamics	3	0	0	3
Elective-V						
18	MAE475	Automotive Ergonomics and Styling	3	0	0	3
19	MAE476	Hybrid and Electric Vehicles	3	0	0	3
20	MAE477	Polymer components in Automotive Applications	3	0	0	3
21	MAE478	Fleet Management	3	0	0	3
22	MAE479	Automotive Electronics	3	0	0	3
Special Elective*						
23	MEE381	Study Oriented Project	3	0	0	3
24	MEE382	Laboratory Oriented Project	3	0	0	3
25	MEE383	Simulation Project	3	0	0	3
26	MEE384	Special Project	3	0	0	3