



(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

University Polytechnic, Galgotias University

Program Name: Diploma in Mechanical Engineering (Electric Vehicle)

Curriculum for Diploma in Mechanical Engineering

I Semester							
Sr. No.	Course Code	Course Name	L	T	P	S	Credit
1	N1DF101T	APPLIED MATHEMATICS-I	3	1	0	0	4
2	N1DL101T	Engineering Graphics	1	2	0	0	3
3	N1DF104B	APPLIED PHYSICS-I	2	1	1	0	4
4	N1DF106B	BASIC COMMUNICATION & COMPUTER SKILLS	2	0	2	0	4
5	N1DL102C	WORKSHOP PRACTICE	2	0	2	1	5
6	N1DF103T	ENVIRONMENT EDUCATION & DISASTER MANAGEMENT*	2	0	0	0	0
		<i>*zero credit with 2 hrs/week lecture.</i>					
		Total credits					20
II Semester							
Sr. No.	Course Code	Course Name	L	T	P	S	Credit
1	N1DF201T	APPLIED MATHEMATICS-II	3	1	0	0	4
2	N1DF201B	APPLIED PHYSICS-II	2	1	1	0	4
3	N1DL201B	ELEMENTS OF MECHANICAL ENGINEERING	2	0	1	0	3
4	N1DF202B	Professional Communication	2	0	2	0	4
5	N1DF101C	BASIC CHEMISTRY	3	0	1	1	5
		Total credits					20
III Semester							
Sr. No.	Course Code	Course Name	L	T	P	S	Credit
1	MTAD2001	APPLIED MATHEMATICS-III	3	0	0	0	3
2	DPME2001	APPLIED MECHANICS	2	0	1	0	3
3	DPME2002	THERMAL ENGINEERING	3	0	1	0	4
4	BEEE2007	BASICS OF ELECTRICAL & ELECTRONIC ENGG.	3	0	1	0	4
5	DPME2007	MANUFACTURING PROCESS	2	0	2	1	5
6	DPME2005	MACHINE DRAWING	0	0	1	0	1
7	-----	ELECTRIC VEHICLE TECHNOLOGY	3	0	1	0	4
		Total credits					24
IV Semester							
Sr. No.	Course Code	Course Name	L	T	P	S	Credit
1	N1DF401L	ENTREPRENEURSHIP & START UP**	2	0	0	0	0
2	N1DL401T	MACHINE TOOL TECH. & MAINTENANCE	3	0	0	0	3
3	N1DL401B	INSPECTION & QUALITY CONTROL	3	0	1	0	4
4	N1DL402B	HYDRAULICS AND HYDRAULIC MACHINES	3	0	1	0	4
5	N1DL403B	MECHANICS OF SOLID	3	0	1	0	4

6	N1DL401C	CONCEPT OF HEAT TRANSFER	2	1	1	1	5
7	-----	POWER ELECTRONIC FOR ELECTRIC VEHICLES	3	0	1	0	4
		<i>**zero credit with 2 hrs/week lecture.</i>					
		Total credits					24
V Semester							
Sr. No.	Course Code	Course Name	L	T	P	S	Credit
1	N1DF521B	Introduction to IOT	2	0	1	0	3
2	N1DL501T	MACHINE DESIGN	3	1	0	0	4
3	N1DL502B	REFRIGERATION AND AIR CONDITIONING	3	0	1	0	4
4	N1DL503B	POWER PLANT ENGINEERING	3	0	1	0	4
5	N1DL504C	THEORY OF MACHINE	3	0	1	1	5
6	N1DF520L	PERSONALITY DEVELOPMENT & SOFT SKILLS	0	0	2	0	2
7	N1DL505L	CAD LAB	0	0	2	0	2
8	-----	TESTING AND CERTIFICATION OF ELECTRIC AND HYBRID VEHICLES	3	0	1	0	4
		Total credits					28
VI Semester							
Sr. No.	Course Code	Course Name	L	T	P	S	Credit
1	Code Give by ERP	MAJOR PROJECT	0	0	10	0	10
2	Code Give by ERP	<i>INDUSTRIAL INTERNSHIP****</i>	0	0	4	0	4
3	Code Give by ERP	<i>INDUSTRIAL TRAINING***</i>	0	0	2	0	2
		***Assessment of 4 semester summer tarining (4 weeks)					
		**** 3-5 months Internship					
		Total credits					16
		Over all credits					120

