



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

University Polytechnic, Galgotias University

Program Name: Diploma in CSE_Data Analytics

Curriculum for Diploma in CSE__ Data Analytics

First Semester

Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours
1.	N1DF101B	Applied Physics-I	2	1	1	4	5
2.	N1DF101T	Applied Mathematics-I	3	1	0	4	4
3.	N1DF102B	Basic Communication & Computer Skills	2	0	2	4	6
4.	N1DF102T	Computer Fundamentals	3	0	0	3	3
5.	N1DF101C	Basic Chemistry	3	0	2	5	8
Total Credits						20	

Second Semester

Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours
1.	N1DF201B	Applied Physics-II	2	1	1	4	5
2.	N1DF201T	Applied Mathematics-II	3	1	9	4	4
3.	N1DF202B	Professional Communication	2	0	2	4	6
4.	N1DL101C	Workshop Practice	3	0	2	5	8
5.	N1DF203B	Computer Hardware & Maintenance	2	0	1	3	4
6.	N1DF103T	Environment Education & Disaster Management	2	0	0	0	2
Total Credits						20	

Third Semester

Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours
1.	N1DF302B	Operating System	3	0	1	4	5
2.	N1DF303B	Data Communication And Computer Networks	3	0	1	4	5
3.	N1DK320B	Fundamentals of Electronic Devices And Digital Electronics	3	0	1	4	5
4.	N1DF301T	Applied Mathematics III	3	0	0	3	3
5.	N1DF304C	Computer Programming And Problem Solving	3	0	2	5	8
6	N1DE301B	Introduction to Data Science	3	0	1	4	5
Total Credits						24	

Fourth Semester

Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours
1.	N1DF404B	Microprocessor and Microcontroller	3	0	1	4	5
2.	N1DF401C	Programming With Java	3	0	1	5	5
3.	N1DF402B	Relational Database Management Systems	3	0	1	4	5
4.	N1DF401B	Data Structure Using C	3	0	1	4	8
5.	N1DF406B	Internet of Things (IOT)	0	0	2	2	4
6.	N1DF408T	Entrepreneurship & Startup	3	0	0	3	3
7.	N1DE401B	Data Mining & Warehousing	3	0	1	4	5
Total Credits						24	

Fifth Semester							
Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours
1.	N1DF503B	Internet And Web Technology	3	0	1	4	5
2.	N1DF501B	Computer Graphics	3	0	1	4	5
3.	N1DF505B	Mobile Computing & Troubleshooting	2	0	1	3	4
4.	N1DF506T	Software Engineering	3	0	0	3	3
5.	N1DF507C	Programming with Python	3	0	2	5	8
6.	N1DF520L	Personality Development & Soft Skills	0	0	2	2	4
7.	N1DI508T	Open Elective (Renewable Energy Technologies)	3	0	0	3	3
8.	N1DE501B	Big Data Analytics	3	0	1	4	5
Total Credits						28	

Sixth Semester							
Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours (Contact Hours)
1.	N1DA601L	Project/Industrial Internship	0	0	0	12	24
2.	N1DA602L	Industrial Training	0	0	0	4	8
Total Credits						16	

Overall Credits	132
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List of Elective

Fifth Semester							
Sr. No.	Course Code	Course Name	L	T	P	Credit	Hours
1.	N1DI508T	Open Elective (Renewable Energy Technologies)	3	0	0	3	3
2.	Code Give by ERP	Sustainable Development	3	0	0	3	3
3.	Code Give by ERP	Soft Computing Techniques	3	0	0	3	3
4.	Code Give by ERP	Cyber Security Law and Standards and IPR	3	0	0	3	3