

Galgotias University												
School : SCSE												
Program Name : B.TECH CSE												
Academic Session 2020-24												
Year :	2020-24 batch					Semester					I	
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA (Continuous Assessment)	ETE	Marks
1	Energy Sources and Audit	1	0	0	1	1	20	30	50			100
2	Data Analytics /(Excel and Tableau)	1	0	0	1	1	20	30	50			100
3	AI Fundamentals	2	0	0	2	2	20	30	50			100
4	Differential / Vector calculus and Matrices	3	0	0	3	3	20	30	50			100
5	Programming for Problem Solving C	1	0	4	3	3	20	15	30	15	20	100
6	Communication Skill (BEC-1)	3	0	0	3	3	20	30	50			100
7	Engineering Physics	2	0	0	2	2	20	30	50			100
8	Bio Systems in Engineering	2	0	0	2	2	20	30	50			100
9	AC DC Circuits	2	0	2	4	3	20	15	30	15	20	100
Practical/Training												
10	Engineering Physics-lab	0	0	2	2	1				70	30	100
	Total	17	0	8	23	21	180	240	410	100	70	1000

Year :	2020-24 batch					Semester					II	
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA (Continous Assessment)	ETE	Marks
1	Integral and Multiple Calculus	2	0	0	2	2	20	30	50			100
2	Partial Differential Equations	1	0	0	1	1	20	30	50			100
3	Embedded Technology and IoT	1	0	2	2	2	20	15	30	15	20	100
6	Creativity, Innovation and Entrepreneur	1	0	2	3	2	20	15	30	15	20	100
7	Introduction to Digital System	2	0	2	3	3	20	15	30	15	20	100
8	Data Structure Using C	2	0	2	3	3	20	15	30	15	20	100
9	Electrical- AC/DC Machine	2	0	2	4	3	20	15	30	15	20	100
Practical/Training												
10	Liberal and Creative Arts	0	0	1	1	0.5				70	30	100
11	Environmental Science	0	0	1	1	0.5				70	30	100
12	Waste Management	0	0	2	2	1				70	30	100
13	Application of Python Programming	0	0	2	2	1				70	30	100
14	Digital Fabrication	0	0	2	2	1				70	30	100
	Total	11	0	12	20	20	140	135	250	145	130	800

Year :	2020-24 batch					Semester						III
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA		Marks
							(Continous Assessment)	ETE				
1	Data Structures & Algorithms	2	0	2	4	3	20	15	30	15	20	100
2	Data Communication and Networking	2	0	2	4	3	20	15	30	15	20	100
3	Data Base management System	2	0	2	4	3	20	15	30	15	20	100
4	Discrete Mathematics	3	1	0	4	4	20	30	50			100
5	Java Programming	0	0	4	4	2				70	30	100
Elective												
PE-I (6)	Cryptographic Fundamentals	2	0	2	4	3	20	15	30	15	20	100
	Software Project Management	2	0	2	4	3	20	15	30	15	20	100
	Cyber Security	2	0	2	4	3	20	15	30	15	20	100
	Optimization Techniques	2	0	2	4	3	20	15	30	15	20	100
	Artificial Intelligence	2	0	2	4	3	20	15	30	15	20	100
Practical/Training												
7	English Proficiency and Aptitude Building -2	0	0	4	4	2				70	30	100
8	Technical Training-I	0	0	4	4	2				70	30	100
9	Project-I	0	0	0	0	1				70	30	100
10	Industrial/Summer Training -I	0	0	0	0	2				70	30	100
	Total	11	1	20	32	25	100	90	170	410	230	1000

Year :	2020-24 batch					Semester					IV	
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total Hours		Theory			Practical		Total
							IA	MTE	ETE	IA	ETE	Marks
										(Continous Assessment)		
1	Operating System	2	0	2	4	3	20	15	30	15	20	100
2	Computer Graphics	2	0	2	4	3	20	15	30	15	20	100
3	Analysis and Design of Algorithms	3	0	0	4	3	20	30	50			100
4	Maths (elective)	3	0	0	3	3	20	30	50			100
5	Python Programming	0	0	4	4	2				70	30	100
Elective												
PE-II (6)	Internet of Things	2	0	2	4	3	20	15	30	15	20	100
	Data Sciences	2	0	2	4	3	20	15	30	15	20	100
	Data Mining and Warehousing	2	0	2	4	3	20	15	30	15	20	100
	Bio Informatics	2	0	2	4	3	20	15	30	15	20	100
	Network Design and Management	2	0	2	4	3	20	15	30	15	20	100
Practical/Training												
7	English Proficiency and Aptitude Building -3	0	0	4	4	2				70	30	100
8	Technical Training-II	0	0	4	4	2				70	30	100
9	Project-II	0	0	0	0	2				70	30	100
	Total	12	0	18	31	23	100	105	190	325	180	900

Year :	2020-24 batch						Semester			V		
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA	ETE	Marks
							(Continous Assessment)					
1	Maths (elective)	3	0	0	3	3	20	30	50			100
2	Theory of Computation	3	0	0	3	3	20	30	50			100
3	Software Engineering & Testing Method	2	0	4	6	4	20	15	30	15	20	100
Programme Elective -II												
PE-III (4)	Microprocessor & Interfacing	2	0	2	4	3	20	15	30	15	20	100
	Quantum Computing	2	0	2	4	3	20	15	30	15	20	100
	Soft Computing	2	0	2	4	3	20	15	30	15	20	100
	Machine Learning	2	0	2	4	3	20	15	30	15	20	100
	Modeling and Simulation	2	0	2	4	3	20	15	30	15	20	100
Programme Elective -III												
PE-IV (5)	Cloud Application Development	2	0	2	4	3	20	15	30	15	20	100
	Adhoc & Sensors Netwoks	2	0	2	4	3	20	15	30	15	20	100
	Statistical Analysis using R	2	0	2	4	3	20	15	30	15	20	100
	Block Chain	2	0	2	4	3	20	15	30	15	20	100
	Software Defined Network	2	0	2	4	3	20	15	30	15	20	100
Practical/Training												
6	Technical Training-III	0	0	4	4	2				70	30	100
7	Project-III	0	0	0	0	1				70	30	100
8	English Proficiency and Aptitude Building -4	0	0	4	4	2				70	30	100
9	Industrial/Summer Training -II	0	0	0	0	2				70	30	100
TOTAL		12	0	16	28	23	100	105	190	325	180	900

Year :	2020-24 batch						Semester			VI		
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA	ETE	Marks
							(Continous Assessment)					
1	Math-Ele-4 (Basket)	3	0	0	3	3	20	30	50			100
2	Web Technology	1	0	2	3	2	20	15	30	15	20	100
3	Compiler Design	3	0	0	3	3	20	30	50			100
Programme Elective -V												
PE-V (4)	Digital Signal Processing	2	0	2	4	3	20	15	30	15	20	100
	Object Oriented Analysis & Design	2	0	2	4	3	20	15	30	15	20	100
	E-Business	2	0	2	4	3	20	15	30	15	20	100
	Network Operating System	2	0	2	4	3	20	15	30	15	20	100
	Robotics Process automation	2	0	2	4	3	20	15	30	15	20	100
University Elective-I												
UE-I (5)	Enterpreneurship	3	0	0	3	3	20	30	50			100
	Project Management	3	0	0	3	3	20	30	50			100
	Managerial Economics	3	0	0	3	3	20	30	50			100
	Equity & Portfolio Management	3	0	0	3	3	20	30	50			100
Practical/Training												
6	Technical Training-IV	0	0	6	6	3				70	30	100
7	Project-IV	0	0	0	0	2				70	30	100
8	Campus to Corporate	0	0	4	4	2				70	30	100
TOTAL		12	0	14	26	21	100	120	210	240	130	800

Year :	2020-24 batch						Semester			VII		
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA	(Continous Assessment)	ETE
Programme Elective -VI												
PE-VI(1)	Digital System Design using VHDL	2	0	2	3	3	20	15	30	15	20	100
	Advanced Computer Networks	2	0	2	3	3	20	15	30	15	20	100
	Enterprise Resource Planning	2	0	2	3	3	20	15	30	15	20	100
	Deep Learning	2	0	2	3	3	20	15	30	15	20	100
	UI&UX	2	0	2	3	3	20	15	30	15	20	100
University Elective-II												
UE-II(2)	Banking system	3	0	0	3	3	20	30	50			100
	Corporate Laws and Policy	3	0	0	3	3	20	30	50			100
	Export and Import Policy	3	0	0	3	3	20	30	50			100
Practical/Training												
3	Technical Training-V	0	0	6	6	3				70	30	100
4	Capstone Design -Phase 1	0	0	12	12	6				70	30	100
TOTAL		5	0	20	24	15	40	45	80	155	80	400

Year :	2020-24 batch						Semester			VIII		
Subject	Name of the Course	Teaching Scheme				Credits	Evaluation Scheme					
		L	T	P	Total		Theory			Practical		Total
					Hours		IA	MTE	ETE	IA	ETE	Marks
							(Continous Assessment)					
Practical/Training												
1	Industrial Internship	0	0	12	12	6				70	30	100
2	Capstone Design -Phase 1	0	0	12	12	6				70	30	100
TOTAL		0	0	24	24	12	0	0	0	140	60	200

Total Credits: 160

Maths-Elective

S.No	Maths basket
1	Discrete Mathematics
2	Numerical Analysis
3	Concept of Probability
4	Probability for Data Science
5	Transforms
6	Linear Algebra
7	Statistics
8	Numerical Analysis
9	Optimisation

