

B.Tech. in Electronics & Communication Engg.(AIML) 2022-26						
		School Name	Teaching Scheme			Basket

	SEMESTER 1						
S.NO	Course Code	Course Title	L	T	P	C	Types:
1	BBS01T1001	Multi Variable Calculus	3	0	2	4	Core
2	BLL01T1003	Communication Skills	2	0	0	2	Core
3	BCS01T1003	Programming for Problem Solving – C	1	0	4	3	Core
4	BBS01T1002	Semi-conductor Physics	2	0	2	3	Core
5	BME01T1001	Engineering Graphics & Introduction to Digital Fabrication	1	0	2	2	Core
6	BEE01T1003	Basic Electrical & Electronics Engineering	2	0	2	3	Core
7	BCS01T1002	AI Fundamental	2	0	0	2	Core
8	BCS01T1001	Data Analytics Excel Tableau	0	1	2	2	Core
9	BLEUCP1004	YOGA	0	0	0	0	Core
					Total =	21	

	SEMESTER 2						
S.NO	Course Code	Course Title	L	T	P	C	Types:
1	BBS01T1008	Biology for Engineers	3	0	0	3	Core
2	BEE01T1004	Embedded system & IOT	1	0	2	2	Core
3	BBS01T1003	Linear Algebra & Differential Equations	3	0	0	3	Core
4	BEE01T1005	Introduction to Digital Systems	2	0	2	3	Core
5	BCS01T1005	Introduction to Python Programming	2	0	2	3	Core
6	BEE01T1007	Analog Circuits	1	0	2	2	Core
7	BLEUCT1003	Creativity, Innovation & Entrepreneurship	1	0	2	2	Core
8	BLEUCT1002	Creative & Liberal Arts	0	0	2	1	Core
9	BEE01T1001	Electrical Workshop	1	0	2	2	Core
10	BCS01T1011	Alexa Skilling	0	0	2	0	Core
11	BBSUCT1004	Environmental Sciences (Zero Credit Course)	2	0	0	0	Core
					Total =	21	

	SEMESTER 3						
S.NO	Course Code	Course Title	L	T	P	C	Types:
1	BECE2010	Digital Electronics	3	0	0	3	Core
2	MATH2001	Functions of Complex Variables and Transforms	3	0	0	3	Core
3	BECE2015	Electronic Devices and Circuits	3	0	0	3	Core
4	BTEE2002	Network Analysis and Synthesis	3	0	0	3	Core
5	BECE2016	Signals and Systems	3	0	0	3	Core
6	BECE2012	Electromagnetic Field Theory	3	0	0	3	Core

Year	Semester	Credits				
1st Year	Sem-1	21	BS	6	19	25
	Sem-2	21	HSS	6	11	12
2nd Year	Sem-3	23	ES	15	43	24
	Sem-4	28	PC	27	57	48
3rd Year	Sem-5	27	PE	7	12	18
	Sem-6	27	PROJECT	7	27	15
4th Year	Sem-7	21	UE	4	12	18
	Sem-8	12				
Total =		180			181	160

ES	12
Project	6

7	BTEE2003	Network Analysis and Synthesis Lab	0	0	2	1	Core	PC	Industry Oriented
8	BEE02P2003	Engineering Clinic-1	0	0	2	1	Core	Project	
9	SLBT2021	English Proficiency and Aptitude Building - 3	0	0	4	2	Core	HSS	
10	BEE02P2010	Electronic Devices and Circuits Lab	0	0	2	1	Core	PC	

Total = 23

	SEMESTER 4				Total	28		
S.NO	Course Code	Course Title	L	T	P	C	Types:	
1	MATH2004	Probability and Stochastic Process	3	0	0	3	Core	BS
2	BECE2008	Integrated Circuits	3	0	0	3	Core	PC
3	BECE3015	Antenna and Wave Propagation	3	0	0	3	Core	PC
4	BEEE3002	Control System	3	0	0	3	Core	PC
5	BEE01T2010	Analog and Digital Communication	3	0	0	3	Core	PC
6	BECE3030	Microcontrollers and Embedded System	3	0	0	3	Core	PC
7	BEE01T3001	IoT Technology and Applications	3	0	0	3	Core	ES
8	BEE01P2007	Engineering Clinic-2	0	0	2	2	Core	Project
9	BECE2009	Integrated Circuits Lab	0	0	2	1	Core	PC
10	SLBT2022	English proficiency and Aptitude Building-IV	0	0	4	2	Core	HSS
11	BEE01P3012	Microcontroller and Embedded Systems Lab	0	0	2	1	Core	PC
12	BEE02P2009	Measurement and Control Systems Lab	0	0	2	1	Core	PC
					Total =	28		

SEMESTER 5								
S.NO	Course Code	Course Title	L	T	P	C	Types:	
1	BECE3006	Microwave Engineering	3	0	0	3	Core	PC
2	BECE3020	Digital Signal Processing	3	0	0	3	Core	PC
3	*****	Program Elective-I	3	0	0	3	Elective	PE
4	BECE3012	Wireless and Mobile Communication	3	0	0	3	Core	PC
5	BEE01T3003	Database Management System	0	0	2	1	Core	ES
6	BEE01P3002	Python and Data Structures	0	0	2	1	Core	ES
7	BEE01P3003	Engineering Clinic-3(Industrial Internship)	0	0	2	1	Core	PROJECT
8	BTMG3001	Entrepreneurship	3	0	0	3	Core	UE
9	BECE3025	Introduction to Artificial Intelligence	3	0	0	3	Core	ES
10	BECE3021	Digital Signal Processing Lab	0	0	2	1	Core	PC
11	BEE01P3005	AI&ML Project-1	0	0	2	2	Core	PROJECT
12	SLBT3031	English Proficiency and Aptitude Building-5	0	0	4	2	Core	HSS
13	BEE01P3004	Communication Engineering Lab	0	0	2	1	Core	PC
					Total =	27		

SEMESTER 6								
S.NO	Course Code	Course Title	L	T	P	C	Types:	
1	SLBT23002	Campus to Corporate Program	0	0	4	2	Core	HSS
2	BEE01T3005	Advanced Communication Systems	3	0	0	3	Core	PC
3	BECE3013	VLSI Design	3	0	0	3	Core	PC
4	BECE4403	Java Programming	2	0	2	3	Elective	ES
5	*****	Open Elective -I	3	0	0	3	Elective	UE
6	*****	Program Elective-II	3	0	0	3	Core	PE
7	BECE4025	Machine Learning	3	0	0	3	Core	ES
8	BEE01P3006	AI&ML Project-II	0	0	2	2	Core	PROJECT
9	BEE01P3007	Design and Innovation Project(Communication Based)	0	0	2	1	Core	PROJECT
10	BECE3311	COMMUNICATION NETWORK	3	0	0	3	Core	PC
11	BEE01P3009	VLSI and Embedded Systems Lab	0	0	2	1	Core	PC
					Total =	27		

SEMESTER 7								
S.NO	Course Code	Course Title	L	T	P	C	Types:	
1	*****	Program Elective-IV	3	0	0	3	Elective	PE
2	*****	Program Elective-V	3	0	0	3	Elective	PE
3	*****	Open Elective -2	3	0	0	3	Elective	UE
4	*****	Open Elective -3	3	0	0	3	Elective	UE
5	BECE4502	IoT Applications Using Cloud Computing	3	0	0	3	Core	ES
6	BECE4505	AI&ML Project-III	0	0	2	2	Core	PROJECT

8	BEE01P4002	Communication Networks Lab	0	0	2	1	Core	PC	Industry Oriented
9	BECE9998	Capstone Design - I	0	0	6	3	Core	PROJECT	
					Total =	21			
SEMESTER 8									
S.NO	Course Code	Course Title	L	T	P	C	Core		
1	BECE9999	Capstone Design - II	0	0	24	12		PROJECT	Industry Oriented
					Total =	12			