

2021-2022 Even Semester
B.Tech Computer Science and Engineering (S6 CSE)

Sl No.	Course code	Course title	Credit	Cap
Professional Elective II				
1	19CSE331	Cryptography	3	Cap 55
2	19CSE356	Social Network Analytics	3	Cap 55
3	19CSE339	Wireless Sensor Networks	3	Cap 55
4	19CSE341	Mobile Adhoc Networks	3	Cap 55
5	19CSE441	Introduction to Cyber-Physical Systems	3	Cap 55
Professional Elective III				
1	19CSE435	Computer Vision	3	Cap 50
2	19CSE437	Deep Learning for Computer Vision	3	Cap 50
3	21ECE431	Neuroengineering	3	cap 20
4	19CSE451	Principles of Artificial Intelligence	3	Cap 50
5	19CSE453	Natural Language Processing	3	Cap 50
6	19CSE454	Information Retrieval	3	Cap 50

Electronics and Computer Engineering(S6 EAC)

Professional Elective II*				
1	19ECE354	Deep Learning	3	No Cap
Open Lab/Professional Elective III*[all CAP 40]				
1	19EAC386	Computer Vision Programming	2	Cap 40
2	19EAC386	Verilog Programming	2	Cap 40
3	19EAC386	Speech Processing	2	Cap 40
4	19EAC386	Radio Circuit Design	2	Cap 40
5	19EAC386	Photonics Simulation	2	Cap 40

B.Tech Electronics and Engineering (S6 ECE)

Professional Elective II* [CAP-40]				
1	19ECE363	Machine Learning	3	Cap 40
2	19ECE339	Optical Engineering	3	Cap 40
3	19ECE453	Statistical Signal Processing	3	Cap 40
Professional Elective III* [CAP-40]				
1	19ECE431	Wireless Communication	3	Cap 40
2	19ECE443	Planar Microwave Devices	3	Cap 40
3	21ECE431	Neuroengineering	3	cap 20
4	19ECE346	Digital IC Design	3	Cap 40
Open Lab [CAP - 40]				
1	19ECE384	Computer Vision Programming	1	Cap 40
2	19ECE384	Verilog Programming	1	Cap 40
3	19ECE384	Speech Processing	1	Cap 40
4	19ECE384	Radio Circuit Design	1	Cap 40
5	19ECE384	Photonics Simulation	1	Cap 40

B.Tech Electrical & Electronics Engineering (S6 EEE)

Professional Elective III*				
1	19CSE366	Cybersecurity	3	No Cap
2	19EEE352	Digital control systems	3	No Cap
3	21ECE431	Neuroengineering (EEE & ELC)	3	Cap 20
Professional Elective IV*				
1	19EEE434	Automotive Electronics	3	No Cap
2	19EEE335	Power Quality & FACTS	3	No Cap

B.Tech Electrical & Computer Engineering (S6 ELC)

Professional Elective III*				
1	19CSE366	Cybersecurity	3	No Cap

2	19CSE448	Blockchain	3	No Cap
3	21ECE431	Neuroengineering (EEE & ELC)	3	Cap 20

Professional Elective IV*

1	19EEE434	Automotive Electronics	3	No Cap
2	19EEE335	Power Quality & FACTS	3	No Cap

B.Tech Mechanical Engineering (S6ME)

Professional Elective I*

1	19MEE355	Turbo Machinery	3	CAP - 25
2	19MEE357	Solar and Wind Power Technologies	3	CAP - 25
3	19MEE353	HVAC Systems and Applications	3	CAP - 25
4	19MEE358	IC Engines and Emission	3	CAP - 25
5	19MEE352	Gas Dynamics and Jet Propulsion	3	CAP - 25
6	19MEE351	Computational Fluid Dynamics	3	CAP - 25

Professional Elective II*

1	19MEE441	Advanced Welding Technology	3	CAP - 25
2	19MEE439	Advanced Materials and Processes	3	CAP - 25
3	19MEE436	Nano Technology and Surface Engineering	3	CAP - 25
4	19MEE339	Theory of Elasticity	3	CAP - 25
5	19MEE443	Non-Destructive Testing	3	CAP - 25
6	19MEE433	Fundamentals of Nanomaterials	3	CAP - 25