List of Elective Courses Offered by CSE

Course Code	Course Name	L	T	P	Credits
CSL420	Soft Computing	3	0	0	3
CSL421	Artificial Intelligence	3	0	2	4
CSL422	Machine Learning	3	0	2	4
CSL423	Distributed Computing Systems	3	0	2	4
CSL424	Real Time Systems	3	0	0	3
CSL425	Mobile Computing	3	0	0	3
CSL426	Cloud Computing	3	0	0	3
CSL427	Software Architecture	3	0	0	3
CSL428	Software Project Management	3	0	0	3
CSL429	Software Testing and Evaluation	3	0	0	3
CSL430	Advanced Computer Architecture	3	0	0	3
CSL431	Computer Graphics	3	0	0	3
CSL432	Human Computer Interaction	3	0	0	3
CSL433	Natural Language Processing	3	0	2	4
CSL435	Introduction to Parallel Computing	3	0	2	4
CSL436	Data Mining and Warehousing	3	0	2	4
CSL437	Bioinformatics	3	0	2	4
CSL438	Information Retrieval	3	0	2	4
CSL439	Business Intelligence	3	0	0	3
CSL440	Advanced Compilers	3	0	0	3
CSL441	Paradigms in Programming Languages	3	0	2	4
CSL444	Big Data Analytics	3	0	2	4
CSL445	Data Sciences	3	0	2	4
CSL446	Neural Networks and Deep Learning	3	0	0	3
CSL448	Quantum Computing	3	0	0	3
CSL449	Internet of Things: Programming, Protocols and Standards	2	0	2	3
CSL450	Computational Genomics and Proteomics	3	0	0	3
CSL451	Computational Finance	3	0	0	3
CSL452	Model-Driven Software Engineering	3	0	0	3
CSL453	Computational Logic Design Methodology	1	0	4	3
CSL454	Reinforcement Learning	3	0	2	4
CSL456	Natural Language Understanding and Generation	3	0	0	3
CSL457	Parallel Computer Architectures	3	0	0	3
CSL465	Cyber Security	2	1	2	4
CSL466	Blockchain Technology	2	1	0	3
CSL467	Industrial and Social Applications of Digital Twins	2	0	2	3
CSL468	Intelligent Systems	3	0	0	3

Note: The elective courses from elective buckets of B.Tech in CSE (with specialization) can be offered to B.Tech CSE (Core) students and Vice-versa.

Electives from ECE:

Course Code	Course Name	L	T	P	Credits
ECL415	Digital Image Processing	3	0	0	3
ECL416	Image and Video Communication	3	0	2	4
ECL418	Neuro Fuzzy Technique	3	0	0	3
ECL430	Biomedical Engineering	3	0	0	3
ECL432	Wireless Sensor Networks	3	0	2	4

Electives from BS:

Course Code	Course Name	L	T	P	Credits
MAL 304	Complex Analysis	3	0	0	3
MAL 305	Number Theory	3	0	0	3