VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
ACCREDITED BY NAAC WITH 'A++' GRADE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LIST OF PROFESSIONAL ELECTIVES

S No	Professional Elective No.	Name of Professional Elective	PE Code	No of Credits/ Hours	Offered to
		B.E Computer Science and Engineering			
1	Professional Elective – II	Data Mining	UI20PE710CS	3	B.E.VII Semester -Computer Science and Engineering
2	Professional Elective – II	Information Storage Management	UI20PE720CS	3	B.E.VII Semester -Computer Science and Engineering
3	Professional Elective – II	Software Design tools and methodologies	UI20PE730CS	3	B.E.VII Semester -Computer Science and Engineering
4	Professional Elective – II	Social Network Analysis	UI20PE740CS	3	B.E.VII Semester -Computer Science and Engineering
5	Professional Elective – III	Deep Learning	UI20PE750CS	3	B.E.VII Semester -Computer Science and Engineering
6	Professional Elective – III	Cyber Security	UI20PE760CS	3	B.E.VII Semester -Computer Science and Engineering
7	Professional Elective – III	Software Testing Methodologies	UI20PE770CS	3	B.E.VII Semester -Computer Science and Engineering
8	Professional Elective – III	Pattern Recognition	UI20PE780CS	3	B.E.VII Semester -Computer Science and Engineering
9	Professional Elective – IV	Natural Language Processing	UI20PE714CS	3	B.E.VII Semester -Computer Science and Engineering
10	Professional Elective – IV	Unmanned Aerial Vehicles	UI20PE724CS	3	B.E.VII Semester -Computer Science and Engineering
11	Professional Elective – IV	Software Processes and Agile Practices	UI20PE734CS	3	B.E.VII Semester -Computer Science and Engineering
12	Professional Elective – IV	Blockchain Platforms and Applications	UI20PE744CS	3	B.E.VII Semester -Computer Science and Engineering
13	Professional Elective – V	Robotic Process Automation	UI20PE810CS	3	B.E.VIII Semester -Computer Science and Engineering
14	Professional Elective – V	Ad hoc and Sensor Networks	UI20PE820CS	3	B.E.VIII Semester -Computer Science and Engineering
15	Professional Elective – V	Software Quality Management	UI20PE830CS	3	B.E.VIII Semester -Computer Science and Engineering
16	Professional Elective – V	Computer vision	UI20PE840CS	3	B.E.VIII Semester -Computer Science and Engineering
17	Professional Elective – VI	Data Science	UI20PE850CS	3	B.E.VIII Semester -Computer Science and Engineering
18	Professional Elective – VI	Advanced Databases	UI20PE860CS	3	B.E.VIII Semester -Computer Science and Engineering
19	Professional Elective – VI	Secure Software Design	UI20PE870CS	3	B.E.VIII Semester -Computer Science and Engineering
20	Professional Elective – VI	Human Computer Interaction	UI20PE880CS	3	B.E.VIII Semester -Computer Science and Engineering
		M.TECH. – CSE			
1	Professional Elective-I	Artificial Intelligence	PI23PE110CS	3	M.Tech I Semester -CSE
2	Professional Elective-I	Advanced Operating Systems	PI23PE114CS	3	M.Tech I Semester -CSE
3	Professional Elective-I	Mobile Computing	PI23PE115CS	3	M.Tech I Semester -CSE
4	Professional Elective-II	Parallel Algorithms	PI23PE120CS	3	M.Tech I Semester -CSE
5	Professional Elective-II	Advanced Databases	PI23PE124CS	3	M.Tech I Semester -CSE
6	Professional Elective-II	Software Quality & Testing	PI23PE125CS	3	M.Tech I Semester -CSE
7	Professional Elective-III	Natural Language Processing	PI23PE210CS	3	M.Tech II Semester -CSE
8	Professional Elective-III	Parallel Computer Architecture	PI23PE214CS	3	M.Tech II Semester -CSE
9	Professional Elective-III	Object Oriented Software Engineering	PI23PE215CS	3	M.Tech II Semester -CSE
10	Professional Elective-IV	Machine Learning	PI22PE310CS	3	M.Tech III Semester -CSE
11	Professional Elective-IV	Information Security	PI22PE314CS	3	M.Tech III Semester -CSE
12	Professional Elective-IV	Image Processing	PI22PE315CS	3	M.Tech III Semester -CSE

13	Professional Elective-V	Information Retrieval systems	PI22PE320CS	3	M.Tech III Semester -CSE
14	Professional Elective-V	Cloud Computing	PI22PE324CS	3	M.Tech III Semester -CSE
15	Professional Elective-V	Mutlimedia Technologies	PI22PE325CS	3	M.Tech III Semester -CSE