

VASAVI COLLEGE OF ENGINEERING (Autonomous)
IBRAHIMBAGH, HYDERABAD-31
ACCREDITED BY NAAC WITH 'A++' GRADE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

List of Professional Electives offered for B.E CSE during academic year 2022-23

S No	Professional Elective No.	Name of Professional Elective	PE Code	No of Credits / Hours	Offered to
1	Professional Elective-I	Neural Networks	UI20PE610CS	3	B.E.VI Semester -Computer Science and Engineering
2	Professional Elective-I	Advanced Computer Architecture	UI20PE620CS	3	B.E.VI Semester -Computer Science and Engineering
3	Professional Elective-I	Software Project Management	UI20PE630CS	3	B.E.VI Semester -Computer Science and Engineering
4	Professional Elective-I	Image Processing	UI20PE640CS	3	B.E.VI Semester -Computer Science and Engineering
5	Professional Elective – II	Data Mining	U19PE710CS	3	B.E.VII Semester -Computer Science and Engineering
6	Professional Elective – II	Multi-core and GPU Computing	U19PE720CS	3	B.E.VII Semester -Computer Science and Engineering
7	Professional Elective – II	Software Design tools and methodologies	U19PE730CS	3	B.E.VII Semester -Computer Science and Engineering
8	Professional Elective – II	Computer vision	U19PE740CS	3	B.E.VII Semester -Computer Science and Engineering
9	Professional Elective – III	Deep Learning	U19PE750CS	3	B.E.VII Semester -Computer Science and Engineering
10	Professional Elective – III	Information Storage Management	U19PE760CS	3	B.E.VII Semester -Computer Science and Engineering
11	Professional Elective – III	Software Testing Methodologies	U19PE770CS	3	B.E.VII Semester -Computer Science and Engineering
12	Professional Elective – III	Information Security	U19PE780CS	3	B.E.VII Semester -Computer Science and Engineering
13	Professional Elective – IV	Data Science	U19PE714CS	3	B.E.VII Semester -Computer Science and Engineering
14	Professional Elective – IV	Advanced Databases	U19PE724CS	3	B.E.VII Semester -Computer Science and Engineering
15	Professional Elective – IV	Software Processes and Agile Practices	U19PE734CS	3	B.E.VII Semester -Computer Science and Engineering
16	Professional Elective – IV	Pattern Recognition	U19PE744CS	3	B.E.VII Semester -Computer Science and Engineering
17	Professional Elective – V	Robotic Process Automation	U19PE810CS	3	B.E.VIII Semester -Computer Science and Engineering
18	Professional Elective – V	Ad hoc and Sensor Networks	U19PE820CS	3	B.E.VIII Semester -Computer Science and Engineering
19	Professional Elective – V	Software Quality Management	U19PE830CS	3	B.E.VIII Semester -Computer Science and Engineering

20	Professional Elective – V	Block chain Architecture	U19PE7840CS	3	B.E.VIII Semester -Computer Science and Engineering
21	Professional Elective – VI	Natural Language Processing	U19PE7850CS	3	B.E.VIII Semester -Computer Science and Engineering
22	Professional Elective – VI	Mobile Communications	U19PE7860CS	3	B.E.VIII Semester -Computer Science and Engineering
23	Professional Elective – VI	Secure Software Design	U19PE7870CS	3	B.E.VIII Semester -Computer Science and Engineering
24	Professional Elective – VI	Human Computer Interaction	U19PE7880CS	3	B.E.VIII Semester -Computer Science and Engineering