

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**

ACCREDITED BY NAAC WITH 'A++' GRADE

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING****B.E CSE - LIST OF PROFESSIONAL ELECTIVES****AY. 2024-25**

S No	Professional Elective No.	Name of Professional Elective	PE Code	No of Credits/ Hours	Offered to
<b>B.E Computer Science and Engineering</b>					
1	Professional Elective – I	Deep Learning	UI21PE710CS	3	B.E.VII Semester -Computer Science and Engineering
2	Professional Elective – I	Cryptography and Network Security	UI21PE720CS	3	B.E.VII Semester -Computer Science and Engineering
3	Professional Elective – I	Software Design tools and methodologies	UI21PE730CS	3	B.E.VII Semester -Computer Science and Engineering
4	Professional Elective – I	Block chainPlatforms and Applications	UI21PE740CS	3	B.E.VII Semester -Computer Science and Engineering
5	Professional Elective – I	Cryptography and Network Security Lab	UI21PE721CS	1	B.E.VII Semester -Computer Science and Engineering
6	Professional Elective – II	Natural LanguageProcessing	UI21PE750CS	3	B.E.VII Semester -Computer Science and Engineering
7	Professional Elective – II	Advanced Databases	UI21PE760CS	3	B.E.VII Semester -Computer Science and Engineering
8	Professional Elective – II	Software Testing Methodologies	UI21PE770CS	3	B.E.VII Semester -Computer Science and Engineering
9	Professional Elective – II	Robotic Process Automation	UI21PE780CS	3	B.E.VII Semester -Computer Science and Engineering
10	Professional Elective – II	Natural Language Processing Lab	UI21PE751CS	1	B.E.VII Semester -Computer Science and Engineering
11	Professional Elective – II	Advanced Databases Lab	UI21PE761CS	1	B.E.VII Semester -Computer Science and Engineering
12	Professional Elective – III	Reinforcement Learning	UI21PE810CS	3	B.E.VII Semester -Computer Science and Engineering
13	Professional Elective – III	Adhoc and Sensor Networks	UI21PE820CS	3	B.E.VII Semester -Computer Science and Engineering
14	Professional Elective – III	Software Processes and Agile Practices	UI21PE830CS	3	B.E.VII Semester -Computer Science and Engineering
15	Professional Elective – III	Data and Visual analytics in AI	UI21PE840CS	3	B.E.VII Semester -Computer Science and Engineering
16	Professional Elective – IV	Big Data Analytics	UI21PE850CS	3	B.E.VIII Semester -Computer Science and Engineering
17	Professional Elective – IV	Cyber Security	UI21PE860CS	3	B.E.VIII Semester -Computer Science and Engineering
18	Professional Elective – IV	Secure Software Design	UI21PE870CS	3	B.E.VIII Semester -Computer Science and Engineering
19	Professional Elective – IV	Computer vision	UI21PE880CS	3	B.E.VIII Semester -Computer Science and Engineering