# 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 |
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| colspan | B.E Computer Science and Engineering ( AI&ML ) | | | | |
| 1 | Professional Elective – II | Reinforcement Learning | UII20PE710CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 2 | Professional Elective – II | Information Storage Management | UII20PE720CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 3 | Professional Elective – II | Software Design tools and methodologies | UII20PE730CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 4 | Professional Elective – II | Human Computer Interaction | UII20PE740CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 5 | Professional Elective – III | Data Mining | UII20PE750CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 6 | Professional Elective – III | Cyber Security | UII20PE760CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 7 | Professional Elective – III | Software Testing Methodologies | UII20PE770CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 8 | Professional Elective – III | Multi Agent Intelligence Systems | UII20PE780CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 9 | Professional Elective – IV | Data Science | UII20PE714CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 10 | Professional Elective – IV | Unmanned Aerial Vehicles | UII20PE724CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 11 | Professional Elective – IV | Software Processes and Agile Practices | UII20PE734CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 12 | Professional Elective – IV | Blockchain Platforms and Applications | UII20PE744CS | 3 | B.E.VII Semester - CSE ( AIML ) |
| 13 | Professional Elective – V | Robotic Process Automation | UII20PE810CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 14 | Professional Elective – V | Ad hoc and Sensor Networks | UII20PE820CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 15 | Professional Elective – V | Software Quality Management | UII20PE830CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 16 | Professional Elective – V | Image Processing | UII20PE840CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 17 | Professional Elective – VI | Bigdata Analytics | UII20PE850CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 18 | Professional Elective – VI | Advanced Databases | UII20PE860CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 19 | Professional Elective – VI | Secure Software Design | UII20PE870CS | 3 | B.E.VIII Semester - CSE ( AIML ) |
| 20 | Professional Elective – VI | Computer vision | UII20PE880CS | 3 | B.E.VIII Semester - CSE ( AIML ) |