**Courses - PO Mapping (Anna University Chennai) (10)**

**Year of Study (2017 – 2018)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Name** | **Course**  **code** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
| Communicative English | C101 | - | - | - | - | - | - | - | 2 | 3 | 3 | - | 3 |
| Engineering Mathematics-I | C102 | 3 | 3 | 3 | - | - | - | - | - | 2 | - | - | - |
| Engineering Physics-I | C103 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Engineering Chemistry-I | C104 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Problem Solving and python Programming | C105 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - |
| Engineering Graphics | C106 | 3 | 1 | 2 | - | 2 | - | - | 2 | 2 | 1 | - | 2 |
| Problem Solving and Python Programming laboratory | C107 | 3 | 3 | 2 | - | 2 | - | - | 2 | 2 | 2 | - | 3 |
| Physics and Chemistry Laboratory | C108 | 3 | 2 | 2 | - | - | - | - | 2 | 1 | 2 | - | - |
| Technical English-II | C109 | - | - | - | - | - | - | - | 2 | 3 | 3 | - | 3 |
| Engineering Mathematics-II | C110 | 3 | 3 | 2 | - | - | - | - | - | 2 | - | - | - |
| Physics for Information Science | C111 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Basic Electrical, Electronics and Measurement Engineering | C112 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| Environmental Science and Engineering | C113 | 3 | 1 | 1 | - | - | - | 3 | 2 | 3 | 2 | - | 2 |
| Programming in C | C114 | 3 | 3 | 3 | - | - | - | - | 2 | 3 | 2 | - | 3 |
| Engineering Practices Laboratory | C115 | 3 | 3 | 3 | 1 | 3 | 2 | - | 3 | 2 | 2 | - | 2 |
| C Programming laboratory | C116 | 3 | 3 | 3 | - | - | - | - | 3 | 2 | 2 | - | - |
| Transforms and partial Differential Equations | C201 | 3 | 3 | 2 | 2 | - | - | 1 | - | 1 | - | - | 1 |
| Programming and Data structures-II | C202 | 3 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - |
| Database Management Systems | C203 | 3 | 1 | 2 | 1 | 2 | - | - | - | 2 | - | - | 1 |
| Computer Architecture | C204 | 3 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - |
| Analog and Digital Communication | C205 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| Environmental Science and Engineering | C206 | 3 | 1 | 1 | - | - | - | 3 | 2 | 3 | 2 | - | 2 |
| Programming and Data Structures Laboratory-II | C207 | 3 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - |
| Database Management Systems Laboratory | C208 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 |
| Probability and Queuing Theory | C209 | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| Computer Networks | C210 | 3 | 3 | 2 | 1 | - | - | - | - | 1 | - | - | - |
| Operating Systems | C211 | 3 | 2 | 3 | 2 | - | - | - | 2 | 1 | - | - | - |
| Design and Analysis of Algorithms | C212 | 3 | 3 | 2 | 2 | - | - | - | - | 1 | - | - | - |
| Microprocessor and Microcontroller | C213 | 3 | 1 | 2 | 1 | - | - | - | - | - | - | - | - |
| Software Engineering | C214 | 3 | 1 | 2 | 1 | - | - | 1 | 2 | - | 1 | - | - |
| Networks Laboratory | C215 | 3 | 3 | 2 | 1 | 2 | - | - | - | - | - | - | - |
| Microprocessor and Microcontroller Laboratory | C216 | 3 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - |
| Operating System laboratory | C217 | 3 | 2 | 2 | 1 | 2 | - | - | - | 2 | - | - | - |
| Discrete Mathematics | C301 | 3 | 1 | 1 | 2 | - | - | - | - | 2 | - | - | - |
| Internet Programming | C302 | 3 | 2 | 3 | 2 | 1 | - | - | - | 1 | - | - | - |
| Object Oriented Analysis and Design | C303 | 3 | 2 | 3 | 2 | 1 | - | - | 1 | 2 | - | - | - |
| Theory of Computation | C304 | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - |
| Computer Graphics | C305 | 3 | 1 | 2 | - | 2 | - | - | - | - | - | - | - |
| Case Tools Laboratory | C306 | 3 | 2 | 3 | 2 | 1 | - | - | 1 | 2 | - | - | - |
| Internet Programming Laboratory | C307 | 3 | 1 | 3 | - | 3 | - | - | - | 2 | - | - | - |
| Computer Graphics Laboratory | C308 | 3 | - | 3 | 1 | 2 | - | - | - | 2 | - | - | 2 |
| Distributed Systems | C309 | 3 | 3 | 3 | - | - | - | - | - | 2 | - | - | - |
| Mobile Computing | C310 | 3 | 3 | 2 | - | 3 | - | - | - | 2 | - | - | - |
| Compiler Design | C311 | 3 | 2 | 3 | - | 3 | - | - | - | - | - | - | - |
| Digital Signal Processing | C312 | 3 | - | 2 | 1 | - | - | - | - | - | - | - | - |
| Artificial Intelligence | C313 | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| Software Testing | C314 | 3 | 2 | 2 | - | 2 | - | - | 2 | - | - | - | - |
| Mobile Application Development Laboratory | C315 | 3 | 1 | 3 | - | 2 | - | - | - | 2 | - | - | 2 |
| Compiler Laboratory | C316 | 3 | 3 | 2 | - | 1 | - | - | - | 2 | - | - | - |
| Communication and Soft Skills Based Laboratory | C317 | - | - | - | - | - | - | - | 2 | 2 | 3 | - | 3 |
| Cryptography and Network Security | C401 | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| Graph Theory and Applications | C402 | 3 | 2 | 1 | 1 | - | - | - | - | - | - | - | - |
| Grid and Cloud Computing | C403 | 3 | 2 | 1 | - | 2 | - | - | - | - | - | - | - |
| Resource Management Techniques | C404 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | 2 | - |
| Ad hoc and sensor Networks | C405 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| Information Retrieval | C406 | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| Security Laboratory | C407 | 3 | 1 | 2 | 1 | 2 | - | 1 | - | - | - | - | - |
| Grid and Cloud Computing Laboratory | C408 | 3 | 1 | 2 | - | 2 | - | - | - | - | 1 | - | - |
| Multi-core Architecture and Programming | C409 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| Human Computer Interaction | C410 | 3 | 1 | 2 | - | - | - | - | - | 1 | - | - | - |
| Software Project Management | C411 | 3 | 2 | 2 | 1 | - | - | - | 1 | 2 | 1 | 3 | - |
| Project Work | C412 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 |

**Courses - PO Mapping (Anna University Chennai) (10)**

**Year of Study (2017 – 2018)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Name** | **Course**  **code** | **CO Attainment** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
| Communicative English | C101 | 3 | - | - | - | - | - | - | - | 2 | 3 | 3 | - | 3 |
| Engineering Mathematics-I | C102 | 1.20 | 1.20 | 1.20 | 1.20 | - | - | - | - | - | 0.8 | - | - | - |
| Engineering Physics-I | C103 | 2.67 | 2.67 | 1.78 | 1.78 | - | - | - | - | - | - | - | - | - |
| Engineering Chemistry-I | C104 | 2.60 | 2.60 | 1.74 | 1.74 | - | - | - | - | - | - | - | - | - |
| Problem Solving and python Programming | C105 | 2.80 | 2.80 | 2.80 | 1.86 | - | - | - | - | - | - | - | - | - |
| Engineering Graphics | C106 | 2.93 | 2.93 | 0.98 | 1.96 | - | 1.96 | - | - | 1.96 | 1.96 | 0.98 | - | 1.96 |
| Problem Solving and Python Programming laboratory | C107 | 3 | 3 | 3 | 2 | - | 2 | - | - | 2 | 2 | 2 | - | 3 |
| Physics and Chemistry Laboratory | C108 | 3 | 3 | 2 | 2 | - | - | - | - | 2 | 1 | 2 | - | - |
| Technical English-II | C109 | 3 | - | - | - | - | - | - | - | 2 | 3 | 3 | - | 3 |
| Engineering Mathematics-II | C110 | 1.6 | 1.6 | 1.6 | 1.06 | - | - | - | - | - | 1.06 | - | - | - |
| Physics for Information Science | C111 | 2.87 | 2.87 | 0.96 | 0.96 | - | - | - | - | - | - | - | - | - |
| Basic Electrical, Electronics and Measurement Engineering | C112 | 2.4 | 2.4 | 1.6 | 0.8 | - | - | - | - | - | - | - | - | - |
| Environmental Science and Engineering | C113 | 2.73 | 2.73 | 0.91 | 0.91 | - | - | - | 2.73 | 1.82 | 2.73 | 1.82 | - | 1.82 |
| Programming in C | C114 | 1.27 | 1.27 | 1.27 | 1.27 | - | - | - | - | 0.84 | 1.27 | 0.84 | - | 1.27 |
| Engineering Practices Laboratory | C115 | 3 | 3 | 3 | 3 | 1 | 3 | 2 | - | 3 | 2 | 2 | - | 2 |
| C Programming laboratory | C116 | 3 | 3 | 3 | 3 | - | - | - | - | 3 | 2 | 2 | - | - |
| Transforms and partial Differential Equations | C201 | 2.67 | 2.67 | 2.67 | 1.78 | 1.78 | - | - | 0.89 | - | 0.89 | - | - | 0.89 |
| Programming and Data structures-II | C202 | 2.93 | 2.93 | 1.96 | 1.96 | 1.96 | 0.98 | - | - | - | - | - | - | - |
| Database Management Systems | C203 | 2.6 | 2.6 | 0.87 | 1.74 | 0.87 | 1.74 | - | - | - | 1.74 | - | - | 0.87 |
| Computer Architecture | C204 | 2.87 | 2.87 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - |
| Analog and Digital Communication | C205 |  | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| Environmental Science and Engineering | C206 |  | 3 | 1 | 1 | - | - | - | 3 | 2 | 3 | 2 | - | 2 |
| Programming and Data Structures Laboratory-II | C207 |  | 3 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - |
| Database Management Systems Laboratory | C208 |  | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 |
| Probability and Queuing Theory | C209 |  | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| Computer Networks | C210 |  | 3 | 3 | 2 | 1 | - | - | - | - | 1 | - | - | - |
| Operating Systems | C211 |  | 3 | 2 | 3 | 2 | - | - | - | 2 | 1 | - | - | - |
| Design and Analysis of Algorithms | C212 |  | 3 | 3 | 2 | 2 | - | - | - | - | 1 | - | - | - |
| Microprocessor and Microcontroller | C213 |  | 3 | 1 | 2 | 1 | - | - | - | - | - | - | - | - |
| Software Engineering | C214 |  | 3 | 1 | 2 | 1 | - | - | 1 | 2 | - | 1 | - | - |
| Networks Laboratory | C215 |  | 3 | 3 | 2 | 1 | 2 | - | - | - | - | - | - | - |
| Microprocessor and Microcontroller Laboratory | C216 |  | 3 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - |
| Operating System laboratory | C217 |  | 3 | 2 | 2 | 1 | 2 | - | - | - | 2 | - | - | - |
| Discrete Mathematics | C301 |  | 3 | 1 | 1 | 2 | - | - | - | - | 2 | - | - | - |
| Internet Programming | C302 |  | 3 | 2 | 3 | 2 | 1 | - | - | - | 1 | - | - | - |
| Object Oriented Analysis and Design | C303 |  | 3 | 2 | 3 | 2 | 1 | - | - | 1 | 2 | - | - | - |
| Theory of Computation | C304 |  | 3 | 2 | 3 | 1 | - | - | - | - | - | - | - | - |
| Computer Graphics | C305 |  | 3 | 1 | 2 | - | 2 | - | - | - | - | - | - | - |
| Case Tools Laboratory | C306 |  | 3 | 2 | 3 | 2 | 1 | - | - | 1 | 2 | - | - | - |
| Internet Programming Laboratory | C307 |  | 3 | 1 | 3 | - | 3 | - | - | - | 2 | - | - | - |
| Computer Graphics Laboratory | C308 |  | 3 | - | 3 | 1 | 2 | - | - | - | 2 | - | - | 2 |
| Distributed Systems | C309 |  | 3 | 3 | 3 | - | - | - | - | - | 2 | - | - | - |
| Mobile Computing | C310 |  | 3 | 3 | 2 | - | 3 | - | - | - | 2 | - | - | - |
| Compiler Design | C311 |  | 3 | 2 | 3 | - | 3 | - | - | - | - | - | - | - |
| Digital Signal Processing | C312 |  | 3 | - | 2 | 1 | - | - | - | - | - | - | - | - |
| Artificial Intelligence | C313 |  | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| Software Testing | C314 |  | 3 | 2 | 2 | - | 2 | - | - | 2 | - | - | - | - |
| Mobile Application Development Laboratory | C315 |  | 3 | 1 | 3 | - | 2 | - | - | - | 2 | - | - | 2 |
| Compiler Laboratory | C316 |  | 3 | 3 | 2 | - | 1 | - | - | - | 2 | - | - | - |
| Communication and Soft Skills Based Laboratory | C317 |  | - | - | - | - | - | - | - | 2 | 2 | 3 | - | 3 |
| Cryptography and Network Security | C401 |  | 3 | 2 | 2 | 2 | - | - | - | - | - | - | - | - |
| Graph Theory and Applications | C402 |  | 3 | 2 | 1 | 1 | - | - | - | - | - | - | - | - |
| Grid and Cloud Computing | C403 |  | 3 | 2 | 1 | - | 2 | - | - | - | - | - | - | - |
| Resource Management Techniques | C404 |  | 3 | 2 | 2 | 1 | - | - | - | - | - | - | 2 | - |
| Ad hoc and sensor Networks | C405 |  | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| Information Retrieval | C406 |  | 3 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| Security Laboratory | C407 |  | 3 | 1 | 2 | 1 | 2 | - | 1 | - | - | - | - | - |
| Grid and Cloud Computing Laboratory | C408 |  | 3 | 1 | 2 | - | 2 | - | - | - | - | 1 | - | - |
| Multi-core Architecture and Programming | C409 |  | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - |
| Human Computer Interaction | C410 |  | 3 | 1 | 2 | - | - | - | - | - | 1 | - | - | - |
| Software Project Management | C411 |  | 3 | 2 | 2 | 1 | - | - | - | 1 | 2 | 1 | 3 | - |
| Project Work | C412 |  | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 |

**Courses- PSO Mapping (2017-2018)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Name** | **Course**  **code** | **PSO1** | **PSO2** |
| Communicative English | C101 | - | - |
| Engineering Mathematics-I | C102 | - | - |
| Engineering Physics-I | C103 | - | - |
| Engineering Chemistry-I | C104 | - | - |
| Problem Solving and python Programming | C105 | 2 | 2 |
| Engineering Graphics | C106 | - | - |
| Problem Solving and Python Programming laboratory | C107 | 1 | 2 |
| Physics and Chemistry Laboratory-I | C108 | - | - |
| Technical English-II | C109 | - | - |
| Engineering Mathematics-II | C110 | - | - |
| Physics for Information Science | C111 | - | - |
| Basic Electrical, Electronics and Measurement Engineering | C112 | - | - |
| Environmental Science and Engineering | C113 | - | - |
| Programming in C | C114 | 3 | 2 |
| Engineering Practices Laboratory | C115 | - | - |
| C Programming laboratory | C116 | 3 | 3 |
| Transforms and partial Differential Equations | C201 | - | - |
| Programming and Data structures-II | C202 | 2 | 1 |
| Database Management Systems | C203 | 2 | 1 |
| Computer Architecture | C204 | 2 | 1 |
| Analog and Digital Communication | C205 | - | - |
| Environmental Science and Engineering | C206 | - | - |
| Programming and Data Structures Laboratory-II | C207 | 2 | 2 |
| Database Management Systems Laboratory | C208 | 2 | 1 |
| Probability and Queuing Theory | C209 | - | - |
| Computer Networks | C210 | 1 | 1 |
| Operating Systems | C211 | 1 | 1 |
| Design and Analysis of Algorithms | C212 | 2 | 1 |
| Microprocessor and Microcontroller | C213 | - | - |
| Software Engineering | C214 | 1 | 1 |
| Networks Laboratory | C215 | 2 | 1 |
| Microprocessor and Microcontroller Laboratory | C216 | - | - |
| Operating System laboratory | C217 | 2 | 1 |
| Discrete Mathematics | C301 | - | - |
| Internet Programming | C302 | 3 | 2 |
| Object Oriented Analysis and Design | C303 | 2 | 1 |
| Theory of Computation | C304 | 2 | 1 |
| Computer Graphics | C305 | 3 | 2 |
| Case Tools Laboratory | C306 | 3 | 2 |
| Internet Programming Laboratory | C307 | 3 | 2 |
| Computer Graphics Laboratory | C308 | 3 | 2 |
| Distributed Systems | C309 | 3 | 2 |
| Mobile Computing | C310 | 3 | 1 |
| Compiler Design | C311 | 2 | 1 |
| Digital Signal Processing | C312 | - | - |
| Artificial Intelligence | C313 | 1 | 1 |
| Software Testing | C314 | 1 | 1 |
| Mobile Application Development Laboratory | C315 | 2 | 1 |
| Compiler Laboratory | C316 | 2 | 2 |
| Communication and Soft Skills Based Laboratory | C317 | - | - |
| Cryptography and Network Security | C401 | 1 | 2 |
| Graph Theory and Applications | C402 | 1 | 1 |
| Grid and Cloud Computing | C403 | 3 | 2 |
| Resource Management Techniques | C404 | - | - |
| Adhoc and sensor Networks | C405 | 1 | 1 |
| Information Retrieval | C406 | 3 | 1 |
| Security Laboratory | C407 | 2 | 2 |
| Grid and Cloud Computing Laboratory | C408 | 2 | 2 |
| Multi-core Architecture and Programming | C409 | 3 | 2 |
| Human Computer Interaction | C410 | 2 | 1 |
| Software Project Management | C411 | 1 | 2 |
| Project Work | C412 | 3 | 3 |

**Courses- PSO Mapping (2017-2018)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Name** | **Course**  **code** | **PO**  **Attainment** | **PSO1** | **PSO2** |
| Problem Solving and python Programming | C105 | 2.88 | 1.9 | 1.9 |
| Problem Solving and Python Programming laboratory | C107 | 3 | 1 | 2 |
| Programming in C | C114 | 1.32 | 1.32 | 0.88 |
| C Programming laboratory | C116 | 3 | 3 | 3 |
| Programming and Data structures-II | C202 | 2.88 | 1.92 | 0.96 |
| Database Management Systems | C203 | 2.64 | 1.76 | 0.88 |
| Computer Architecture | C204 | 2.88 | 1.92 | 0.96 |
| Programming and Data Structures Laboratory-II | C207 | 3 | 2 | 2 |
| Database Management Systems Laboratory | C208 | 3 | 2 | 1 |
| Computer Networks | C210 | 2.64 | 0.88 | 0.88 |
| Operating Systems | C211 | 2.84 | 0.95 | 0.95 |
| Design and Analysis of Algorithms | C212 | 2.64 | 1.76 | 0.88 |
| Software Engineering | C214 | 3 | 1 | 1 |
| Networks Laboratory | C215 | 3 | 2 | 1 |
| Operating System laboratory | C217 | 3 | 2 | 1 |
| Internet Programming | C302 | 2.96 | 2.96 | 1.98 |
| Object Oriented Analysis and Design | C303 | 2.96 | 1.98 | 0.99 |
| Theory of Computation | C304 | 2.96 | 1.98 | 0.99 |
| Computer Graphics | C305 | 2.48 | 2.48 | 1.72 |
| Case Tools Laboratory | C306 | 3 | 3 | 2 |
| Internet Programming Laboratory | C307 | 3 | 3 | 2 |
| Computer Graphics Laboratory | C308 | 3 | 3 | 2 |
| Distributed Systems | C309 | 2.96 | 2.96 | 1.98 |
| Mobile Computing | C310 | 2.64 | 2.64 | 0.88 |
| Compiler Design | C311 | 2.64 | 1.76 | 0.88 |
| Artificial Intelligence | C313 | 2.8 | 0.93 | 0.93 |
| Software Testing | C314 | 2.92 | 0.97 | 0.97 |
| Mobile Application Development Laboratory | C315 | 3 | 2 | 1 |
| Compiler Laboratory | C316 | 3 | 2 | 2 |
| Cryptography and Network Security | C401 | 2.64 | 0.88 | 1.76 |
| Graph Theory and Applications | C402 | 2.64 | 0.88 | 0.88 |
| Grid and Cloud Computing | C403 | 2.72 | 2.72 | 1.82 |
| Adhoc and sensor Networks | C405 | 2.76 | 0.92 | 0.92 |
| Information Retrieval | C406 | 2.64 | 2.64 | 0.88 |
| Security Laboratory | C407 | 3 | 2 | 2 |
| Grid and Cloud Computing Laboratory | C408 | 3 | 2 | 2 |
| Multi-core Architecture and Programming | C409 | 2.72 | 2.72 | 1.82 |
| Human Computer Interaction | C410 | 2.72 | 1.82 | 0.91 |
| Software Project Management | C411 | 2.56 | 0.85 | 1.7 |
| Project Work | C412 | 3 | 3 | 3 |
| Direct PSO Attainment | | | 1.9 | 1.4 |
| Direct PSO Attainment(round off) | | | 2 | 1 |