



**E.G.S. PILLAY ENGINEERING COLLEGE**  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Nagore Post, Nagapattinam – 611 002, Tamilnadu.

### B.E – Computer Science and Engineering

#### 1.1.3 Average percentage of Courses focus on employability / entrepreneurship / Skill development offered by the institution during the last five years

| 2017-2018 |             |  |   |  |   |  |
|-----------|-------------|--|---|--|---|--|
| S.No      | Course Code | Name of the Course                           | Activity/Content with direct bearing on employability / | Activity/Content with direct bearing on entrepreneurship | Activity/Content with direct bearing on Skill development | Year of Introduction (During the last five year) |
| 1         | 1701MA101   | Engineering Mathematics –I                   |   |  | ✓   | 2017-2018  |
| 2         | 1701PH101   | Applied Physics for Engineers                |   |  | ✓   | 2017-2018  |
| 3         | 1701CH101   | Applied Chemistry in Informatics             |   |  | ✓   | 2017-2018  |
| 4         | 1701EN101   | Technical English                            |   |  | ✓   | 2017-2018  |
| 5         | 1701GEX01   | Basic Electrical And Electronics Engineering | ✓   | ✓  | ✓   | 2017-2018  |
| 6         | 1701GEX02   | Engineering Graphics                         |   |  | ✓   | 2017-2018  |
| 7         | 1701GEX03   | Programming in C                             | ✓   |  |   | 2017-2018  |
| 8         | 1701HS151   | Physics and Chemistry Lab –I                 |   |  | ✓   | 2017-2018  |
| 9         | 1701GEX51   | Programming in C Lab                         | ✓   |  |   | 2017-2018  |
| 10        | 1701MA201   | Engineering Mathematics II                   |   |  | ✓   | 2017-2018  |
| 11        | 1701PH201   | Physics of Engineering Materials             |   |  | ✓   | 2017-2018  |
| 12        | 1701CH201   | Environmental Studies                        |   |  | ✓   | 2017-2018  |
| 13        | 1701GE201   | Basic Civil and Mechanical Engineering       | ✓   | ✓  | ✓   | 2017-2018  |
| 14        | 1702CS201   | Programming in C++                           | ✓   |  |   | 2017-2018  |
| 15        | 1701LE202   | Language Elective                            |   |  | ✓   | 2017-2018  |

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|    |           |   |   |   |   |           |
|----|-----------|---|---|---|---|-----------|
| 16 | 1701GEX52 | Communication Skills Lab                      |   |   | ✓ | 2017-2018 |
| 17 | 1701GEX53 | Workshop Practice                             | ✓ | ✓ | ✓ | 2017-2018 |
| 18 | 1701HS251 | Physics and Chemistry Lab II                  |   |   | ✓ | 2017-2018 |
| 19 | 1702CS251 | Programming in C++ Lab                        | ✓ |   |   | 2017-2018 |
| 20 | MA6351    | Transforms and Partial Differential Equations |   |   | ✓ | 2014-2015 |
| 21 | CS6301    | Programming and Data Structure II             | ✓ |   |   | 2014-2015 |
| 22 | CS6302    | Database Management Systems                   | ✓ |   |   | 2014-2015 |
| 23 | CS6303    | Computer Architecture                         | ✓ |   |   | 2014-2015 |
| 24 | CS6304    | Analog and Digital Communication              | ✓ |   |   | 2014-2015 |
| 25 | GE6351    | Environmental Science and Engineering         |   |   | ✓ | 2014-2015 |
| 26 | CS6311    | Programming and Data Structure Laboratory II  | ✓ |   |   | 2014-2015 |
| 27 | CS6312    | Database Management Systems Lab               | ✓ |   |   | 2014-2015 |
| 28 | MA6453    | Probability and Queuing Theory                |   |   | ✓ | 2014-2015 |
| 29 | CS6551    | Computer Networks                             | ✓ | ✓ |   | 2014-2015 |
| 30 | CS6401    | Operating systems                             | ✓ |   |   | 2014-2015 |
| 31 | CS6402    | Design and Analysis algorithms                | ✓ |   |   | 2014-2015 |
| 32 | EC6504    | Microprocessor and Microcontroller            | ✓ |   |   | 2014-2015 |
| 33 | CS6403    | Software Engineering                          | ✓ |   |   | 2014-2015 |
| 34 | CS6411    | Networks Lab                                  | ✓ | ✓ |   | 2014-2015 |
| 35 | CS6412    | Microprocessor and Microcontroller Lab        | ✓ |   |   | 2014-2015 |
| 36 | CS6413    | Operating systems Lab                         | ✓ |   |   | 2014-2015 |

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|    |        |  |   |   |   |           |
|----|--------|--|---|---|---|-----------|
| 37 | MA6566 | Discrete Mathematics                             |   |   | ✓ | 2015-2016 |
| 38 | CS6501 | Internet Programming                             | ✓ | ✓ |   | 2015-2016 |
| 39 | CS6502 | Object Oriented Analysis and Design              | ✓ |   |   | 2015-2016 |
| 40 | CS6503 | Theory of Computation                            | ✓ |   |   | 2015-2016 |
| 41 | CS6504 | Computer Graphics                                | ✓ | ✓ |   | 2015-2016 |
| 42 | CS6511 | Case Tools Laboratory                            | ✓ | ✓ |   | 2015-2016 |
| 43 | CS6512 | Internet Programming Laboratory                  | ✓ | ✓ |   | 2015-2016 |
| 44 | CS6513 | Computer Graphics Laboratory                     | ✓ | ✓ |   | 2015-2016 |
| 45 | CS6601 | Distributed Systems                              | ✓ |   |   | 2015-2016 |
| 46 | IT6601 | Mobile Computing                                 | ✓ |   |   | 2015-2016 |
| 47 | CS6660 | Compiler Design                                  | ✓ |   |   | 2015-2016 |
| 48 | IT6502 | Digital Signal Processing                        | ✓ |   |   | 2015-2016 |
| 49 | CS6659 | Artificial Intelligence                          | ✓ |   |   | 2015-2016 |
| 50 | IT6702 | Data Warehousing and Data mining                 | ✓ |   |   | 2015-2016 |
| 51 | CS6611 | Mobile Application Development Laboratory        | ✓ | ✓ |   | 2015-2016 |
| 52 | CS6612 | Compiler Laboratory                              | ✓ |   |   | 2015-2016 |
| 53 | GE6674 | Communication and Soft Skills - Laboratory Based | ✓ |   | ✓ | 2015-2016 |
| 54 | CS6701 | Cryptography and Network Security                | ✓ | ✓ |   | 2016-2017 |
| 55 | CS6702 | Graph Theory and Applications                    | ✓ |   |   | 2016-2017 |
| 56 | CS6703 | Grid and Cloud Computing                         | ✓ |   |   | 2016-2017 |
| 57 | CS6704 | Resource Management Techniques                   |   |   | ✓ | 2016-2017 |
| 58 | IT6801 | Service Oriented Architecture                    | ✓ | ✓ |   | 2016-2017 |
| 59 | EC6703 | Embedded and Real Time                           | ✓ |   |   | 2016-2017 |

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|    |        |  |   |   |   |           |
|----|--------|--|---|---|---|-----------|
|    |        | Systems                                    |   |   |   |           |
| 60 | CS6711 | Security Laboratory                        | ✓ | ✓ |   | 2016-2017 |
| 61 | CS6712 | Grid and Cloud Computing Laboratory        | ✓ |   |   | 2016-2017 |
| 62 | CS6801 | Multi – Core Architectures and Programming | ✓ |   |   | 2016-2017 |
| 63 | CS6010 | Social Network analysis                    | ✓ |   |   | 2016-2017 |
| 64 | MG6088 | Software Project Management                | ✓ |   |   | 2016-2017 |
| 65 | CS6811 | Project Work                               | ✓ | ✓ | ✓ | 2016-2017 |

| 2018-2019 |             |  |   |  |   |  |
|-----------|-------------|--|---|--|---|--|
| S.No      | Course Code | Name of the Course                           | Activity/Content with direct bearing on employability | Activity/Content with direct bearing on entrepreneurship | Activity/Content with direct bearing on Skill development | Year of Introduction (During the last five year) |
| 1         | 1701MA101   | Engineering Mathematics –I                   |   |  |   | 2017-2018  |
| 2         | 1701PH101   | Applied Physics for Engineers                |   |  | ✓   | 2017-2018  |
| 3         | 1701CH101   | Applied Chemistry in Informatics             |   |  | ✓   | 2017-2018  |
| 4         | 1701EN101   | Technical English                            |   |  | ✓   | 2017-2018  |
| 5         | 1701GEX01   | Basic Electrical And Electronics Engineering |   |  | ✓   | 2017-2018  |
| 6         | 1701GEX02   | Engineering Graphics                         |   |  | ✓   | 2017-2018  |
| 7         | 1701GEX03   | Programming in C                             | ✓   |  |   | 2017-2018  |
| 8         | 1701HS151   | Physics and Chemistry Lab –I                 |   |  | ✓   | 2017-2018  |
| 9         | 1701GEX51   | Programming in C Lab                         | ✓   |  |   | 2017-2018  |
| 10        | 1701MA201   | Engineering Mathematics II                   |   |  | ✓   | 2017-2018  |
| 11        | 1701PH201   | Physics of Engineering Materials             |   |  | ✓   | 2017-2018  |
| 12        | 1701CH201   | Environmental Studies                        |   |  | ✓   | 2017-2018  |
| 13        | 1701GE201   | Basic Civil and Mechanical                   | ✓   | ✓  | ✓   | 2017-2018  |

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|    |           | Engineering                            |   |   |   |           |
|----|-----------|--|---|---|---|-----------|
| 14 | 1702CS201 | Programming in C++                     | ✓ |   | ✓ | 2017-2018 |
| 15 | 1701LE202 | Language Elective                      |   |   | ✓ | 2017-2018 |
| 16 | 1701GEX52 | Communication Skills Lab               |   |   | ✓ | 2017-2018 |
| 17 | 1701GEX53 | Workshop Practice                      | ✓ | ✓ | ✓ | 2017-2018 |
| 18 | 1701HS251 | Physics and Chemistry Lab II           |   |   | ✓ | 2017-2018 |
| 19 | 1702CS251 | Programming in C++ Lab                 |   |   | ✓ | 2017-2018 |
| 20 | 1701MA301 | Engineering Mathematics III            |   |   | ✓ | 2018-2019 |
| 21 | 1702CS301 | Data Structures                        | ✓ |   |   | 2018-2019 |
| 22 | 1702CS302 | Computer Organization and Architecture | ✓ |   |   | 2018-2019 |
| 23 | 1702CS303 | Software Engineering                   | ✓ | ✓ |   | 2018-2019 |
| 24 | 1702CS304 | Digital Systems                        | ✓ |   |   | 2018-2019 |
| 25 | 1702CS305 | Operating Systems                      | ✓ |   |   | 2018-2019 |
| 26 | 1702CS351 | Data Structures Lab                    | ✓ |   |   | 2018-2019 |
| 27 | 1702CS352 | Operating Systems Lab                  | ✓ |   |   | 2018-2019 |
| 28 | 1704GE351 | Life Skills: Soft skills               |   |   | ✓ | 2018-2019 |
| 29 | 701MA401  | Probability and Queuing Theory         |   |   | ✓ | 2018-2019 |
| 30 | 1702CS401 | Computer Networks                      | ✓ | ✓ |   | 2018-2019 |
| 31 | 1702CS402 | Programming Paradigms                  | ✓ |   |   | 2018-2019 |
| 32 | 1702CS403 | Design & Analysis Of Algorithms        | ✓ |   |   | 2018-2019 |
| 33 | 1702CS404 | Microprocessor and Microcontroller     | ✓ |   |   | 2018-2019 |
| 34 | 1702CSX02 | Database Management Systems            | ✓ |   |   | 2018-2019 |
| 35 | 1702CS451 | Networks lab                           | ✓ | ✓ |   | 2018-2019 |
| 36 | 1702CSX52 | Database Management Systems Lab        | ✓ |   |   | 2018-2019 |
| 37 | 1704GE451 | Life Skills : Verbal Ability           |   |   | ✓ | 2018-2019 |
| 38 | MA6566    | Discrete Mathematics                   |   |   | ✓ | 2015-2016 |

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|----|--------|--|---|---|---|-----------|
| 39 | CS6501 | Internet Programming                             | ✓ | ✓ |   | 2015-2016 |
| 40 | CS6502 | Object Oriented Analysis and Design              | ✓ |   |   | 2015-2016 |
| 41 | CS6503 | Theory of Computation                            | ✓ |   |   | 2015-2016 |
| 42 | CS6504 | Computer Graphics                                | ✓ | ✓ |   | 2015-2016 |
| 43 | CS6511 | Case Tools Laboratory                            | ✓ | ✓ |   | 2015-2016 |
| 44 | CS6512 | Internet Programming Laboratory                  | ✓ | ✓ |   | 2015-2016 |
| 45 | CS6513 | Computer Graphics Laboratory                     | ✓ | ✓ |   | 2015-2016 |
| 46 | CS6601 | Distributed Systems                              | ✓ |   |   | 2015-2016 |
| 47 | IT6601 | Mobile Computing                                 | ✓ |   |   | 2015-2016 |
| 48 | CS6660 | Compiler Design                                  | ✓ |   |   | 2015-2016 |
| 49 | IT6502 | Digital Signal Processing                        | ✓ |   |   | 2015-2016 |
| 50 | CS6659 | Artificial Intelligence                          | ✓ |   |   | 2015-2016 |
| 51 | IT6702 | Data Warehousing and Data mining                 | ✓ |   |   | 2015-2016 |
| 52 | CS6611 | Mobile Application Development Laboratory        | ✓ | ✓ |   | 2015-2016 |
| 53 | CS6612 | Compiler Laboratory                              | ✓ |   |   | 2015-2016 |
| 54 | GE6674 | Communication and Soft Skills - Laboratory Based | ✓ |   | ✓ | 2015-2016 |
| 55 | CS6701 | Cryptography and Network Security                | ✓ | ✓ |   | 2016-2017 |
| 56 | CS6702 | Graph Theory and Applications                    | ✓ |   |   | 2016-2017 |
| 57 | CS6703 | Grid and Cloud Computing                         | ✓ |   |   | 2016-2017 |
| 58 | CS6704 | Resource Management Techniques                   |   |   | ✓ | 2016-2017 |
| 59 | IT6801 | Service Oriented Architecture                    | ✓ | ✓ |   | 2016-2017 |
| 60 | EC6703 | Embedded and Real Time Systems                   | ✓ |   |   | 2016-2017 |
| 61 | CS6711 | Security Laboratory                              | ✓ | ✓ |   | 2016-2017 |
| 62 | CS6712 | Grid and Cloud Computing                         | ✓ |   |   | 2016-2017 |

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|----|--------|--|---|---|---|-----------|
|    |        | Laboratory                                 |   |   |   |           |
| 63 | CS6801 | Multi – Core Architectures and Programming | ✓ |   |   | 2016-2017 |
| 64 | CS6010 | Social Network analysis                    | ✓ |   |   | 2016-2017 |
| 65 | MG6088 | Software Project Management                | ✓ |   |   | 2016-2017 |
| 66 | CS6811 | Project Work                               | ✓ | ✓ | ✓ | 2016-2017 |

| 2019-2020 |             |  |   |  |   |  |
|-----------|-------------|--|---|--|---|--|
| S.No      | Course Code | Name of the Course                             | Activity/Content with direct bearing on employability / | Activity/Content with direct bearing on entrepreneurship | Activity/Content with direct bearing on Skill development | Year of Introduction (During the last five year) |
| 1         | 1901MA102   | Engineering Mathematics –I                     | ✓   |  |   | 2019-2020  |
| 2         | 1901CH104   | Applied Chemistry in Informatics               |   |  | ✓   | 2019-2020  |
| 3         | 1901GEX03   | Programming For Problem Solving                | ✓   |  |   | 2019-2020  |
| 4         | 1901ENX01   | English For Engineers                          |   |  | ✓   | 2019-2020  |
| 5         | 1901GE151   | Engineering Intelligence I                     |   |  |   | 2019-2020  |
| 6         | 1901GEX52   | Computer Programming Lab                       |   |  | ✓   | 2019-2020  |
| 7         | 1901CHX51   | Engineering Chemistry Lab                      |   |  |   | 2019-2020  |
| 8         | 1901HSX51   | Communication Skills Lab                       |   |  | ✓   | 2019-2020  |
| 9         | 1901MA202   | Engineering Mathematics –II                    |   |  | ✓   | 2019-2020  |
| 10        | 1901PH201   | Physics for Information Science                |   |  | ✓   | 2019-2020  |
| 11        | 1901GEX01   | Basic Electrical and Electronics Engineering   | ✓   | ✓  | ✓   | 2019-2020  |
| 12        | 1901GEX02   | Engineering Graphics                           |   |  | ✓   | 2019-2020  |
| 13        | 1901GE201   | Engineering Exploration                        |   |  | ✓   | 2019-2020  |
| 14        | 1901GE254   | Computer Hardware and IT Essentials Laboratory | ✓   | ✓  |   | 2019-2020  |
| 15        | 1901GE252   | Engineering Intelligence - II                  |   |  | ✓   | 2019-2020  |

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 2019-2020  
  
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|    |           |  |   |   |  |           |
|----|-----------|--|---|---|--|-----------|
| 16 | 1901GEX51 | CAD Laboratory                         | ✓ | ✓ |  | 2019-2020 |
| 17 | 1901GEX53 | Basic Electrical And Electronics Lab   |   |   | ✓  | 2019-2020 |
| 18 | 1901PHX51 | Engineering Physics Lab                |   |   | ✓  | 2019-2020 |
| 19 | 1701MA301 | Engineering Mathematics III            |   |   | ✓  | 2018-2019 |
| 20 | 1702CS301 | Data Structures                        | ✓ |   |  | 2018-2019 |
| 21 | 1702CS302 | Computer Organization and Architecture | ✓ |   |  | 2018-2019 |
| 22 | 1702CS303 | Software Engineering                   | ✓ | ✓ |  | 2018-2019 |
| 23 | 1702CS304 | Digital Systems                        |   |   | ✓  | 2018-2019 |
| 24 | 1702CS305 | Operating Systems                      | ✓ |   |  | 2018-2019 |
| 25 | 1702CS351 | Data Structures Lab                    | ✓ |   |  | 2018-2019 |
| 26 | 1702CS352 | Operating Systems Lab                  | ✓ |   |  | 2018-2019 |
| 27 | 1704GE351 | Life Skills: Soft skills               |   |   | ✓  | 2018-2019 |
| 28 | 701MA401  | Probability and Queuing Theory         |   |   | ✓  | 2018-2019 |
| 29 | 1702CS401 | Computer Networks                      | ✓ | ✓ |  | 2018-2019 |
| 30 | 1702CS402 | Programming Paradigms                  | ✓ |   |  | 2018-2019 |
| 31 | 1702CS403 | Design & Analysis Of Algorithms        | ✓ |   |  | 2018-2019 |
| 32 | 1702CS404 | Microprocessor and Microcontroller     | ✓ |   |  | 2018-2019 |
| 33 | 1702CSX02 | Database Management Systems            | ✓ |   |  | 2018-2019 |
| 34 | 1702CS451 | Networks lab                           | ✓ | ✓ |  | 2018-2019 |
| 35 | 1702CSX52 | Database Management Systems Lab        | ✓ |   |  | 2018-2019 |
| 36 | 1704GE451 | Life Skills : Verbal Ability           |   |   | ✓  | 2018-2019 |
| 37 | 1701MA501 | Discrete Mathematics                   |   |   | ✓  | 2019-2020 |
| 38 | 1702CS501 | Object Oriented Analysis And Design    | ✓ | ✓ | <b>ATTESTED</b><br> | 2019-2020 |
| 39 | 1702CS502 | Theory of Computation                  | ✓ | ✓ |  | 2019-2020 |
| 40 | 1702CS503 | Graphics and Multimedia                | ✓ |   |  | 2019-2020 |

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|    |           |  |   |   |   |           |
|----|-----------|--|---|---|---|-----------|
| 41 | 1703CS002 | Software Testing                                 | ✓ | ✓ |   | 2019-2020 |
| 42 | 1703CS006 | Mobile Computing                                 | ✓ |   |   | 2019-2020 |
| 43 | 1702CS551 | Computer Graphics and Multimedia Laboratory      | ✓ | ✓ |   | 2019-2020 |
| 44 | 1704CS552 | CASE Tools Laboratory (Mini Project I)           | ✓ | ✓ |   | 2019-2020 |
| 45 | 1704CS553 | Technical Seminar                                |   |   | ✓ | 2019-2020 |
| 46 | 1704GE551 | Life Skills: Aptitude - 1                        |   |   | ✓ | 2019-2020 |
| 47 | 1701MGX01 | Professional Ethics                              |   |   | ✓ | 2019-2020 |
| 48 | 1702CS601 | Web Technology                                   | ✓ |   |   | 2019-2020 |
| 49 | 1702CS602 | Artificial Intelligence                          | ✓ |   |   | 2019-2020 |
| 50 | 1702CS603 | Distributed Systems                              | ✓ |   |   | 2019-2020 |
| 51 | 1703CS012 | Data Warehousing and Data Mining                 | ✓ |   |   | 2019-2020 |
| 52 | 1703CS037 | Web Technology                                   | ✓ |   |   | 2019-2020 |
| 53 | 1702CS651 | Web Technology Laboratory                        | ✓ |   |   | 2019-2020 |
| 54 | 1704CS652 | Mobile Application Development Lab(Mini Project) |   | ✓ | ✓ | 2019-2020 |
| 55 | 1704GE651 | Life Skills: Aptitude-II                         |   |   | ✓ | 2019-2020 |
| 56 | 1704CS653 | Industrial Visit Presentation                    |   |   | ✓ | 2019-2020 |
| 57 | CS6701    | Cryptography and Network Security                | ✓ | ✓ |   | 2016-2017 |
| 58 | CS6702    | Graph Theory and Applications                    | ✓ |   |   | 2016-2017 |
| 59 | CS6703    | Grid and Cloud Computing                         | ✓ |   |   | 2016-2017 |
| 60 | CS6704    | Resource Management Techniques                   | ✓ |   |   | 2016-2017 |
| 61 | IT6801    | Service Oriented Architecture                    | ✓ | ✓ |   | 2016-2017 |
| 62 | EC6703    | Embedded and Real Time Systems                   | ✓ |   |   | 2016-2017 |
| 63 | CS6711    | Security Laboratory                              | ✓ |   |   | 2016-2017 |
| 64 | CS6712    | Grid and Cloud Computing                         | ✓ |   |   | 2016-2017 |

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|----|--------|--|---|---|---|-----------|
|    |        | Laboratory                                 |   |   |   |           |
| 65 | CS6801 | Multi – Core Architectures and Programming | ✓ |   |   | 2016-2017 |
| 66 | CS6010 | Social Network analysis                    | ✓ |   |   | 2016-2017 |
| 67 | MG6088 | Software Project Management                | ✓ |   |   | 2016-2017 |
| 68 | CS6811 | Project Work                               | ✓ | ✓ | ✓ | 2016-2017 |

| 2020-2021 |             |  |   |  |   |  |
|-----------|-------------|--|---|--|---|--|
| S.No      | Course Code | Name of the Course                             | Activity/Content with direct bearing on employability | Activity/Content with direct bearing on entrepreneurship | Activity/Content with direct bearing on Skill development | Year of Introduction (During the last five year) |
| 1         | 1901MA102   | Engineering Mathematics –I                     |   |  | ✓   | 2019-2020  |
| 2         | 1901CH104   | Applied Chemistry in Informatics               |   |  | ✓   | 2019-2020  |
| 3         | 1901GEX03   | Programming For Problem Solving                | ✓   |  |   | 2019-2020  |
| 4         | 1901ENX01   | English For Engineers                          |   |  | ✓   | 2019-2020  |
| 5         | 1901GE151   | Engineering Intelligence I                     |   |  | ✓   | 2019-2020  |
| 6         | 1901GEX52   | Computer Programming Lab                       | ✓   |  |   | 2019-2020  |
| 7         | 1901CHX51   | Engineering Chemistry Lab                      |   |  | ✓   | 2019-2020  |
| 8         | 1901HSX51   | Communication Skills Lab                       |   |  | ✓   | 2019-2020  |
| 9         | 1901MA202   | Engineering Mathematics –II                    |   |  | ✓   | 2019-2020  |
| 10        | 1901PH201   | Physics for Information Science                |   |  | ✓   | 2019-2020  |
| 11        | 1901GEX01   | Basic Electrical and Electronics Engineering   | ✓   | ✓  |   | 2019-2020  |
| 12        | 1901GEX02   | Engineering Graphics                           | ✓   | ✓  | ✓   | 2019-2020  |
| 13        | 1901GE201   | Engineering Exploration                        |   |  | ✓   | 2019-2020  |
| 14        | 1901GE254   | Computer Hardware and IT Essentials Laboratory | ✓   |  |   | 2019-2020  |
| 15        | 1901GE252   | Engineering Intelligence - II                  |   |  | ✓   | 2019-2020  |

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|    |           |  |   |   |   |           |
|----|-----------|--|---|---|---|-----------|
| 16 | 1901GEX51 | CAD Laboratory                         | ✓ | ✓ |   | 2019-2020 |
| 17 | 1901GEX53 | Basic Electrical And Electronics Lab   |   |   | ✓ | 2019-2020 |
| 18 | 1901PHX51 | Engineering Physics Lab                |   |   | ✓ | 2019-2020 |
| 19 | 1901MA302 | Engineering Mathematics III            |   |   | ✓ | 2020-2021 |
| 20 | 1902CS301 | Data Structures                        | ✓ |   |   | 2020-2021 |
| 21 | 1902CS302 | Object Oriented Programming            | ✓ |   |   | 2020-2021 |
| 22 | 1902CS303 | Computer Organization and Architecture | ✓ |   |   | 2020-2021 |
| 23 | 1902CS304 | Digital Logic and Microprocessors      | ✓ |   |   | 2020-2021 |
| 24 | 1901MCX02 | Constitution Of India                  | ✓ |   |   | 2020-2021 |
| 25 | 1902CS352 | Object Oriented Programming Laboratory | ✓ |   |   | 2020-2021 |
| 26 | 1902CS351 | Data Structures Laboratory             | ✓ |   |   | 2020-2021 |
| 27 | 1904GE351 | Life Skills: Soft Skill                |   |   | ✓ | 2020-2021 |
| 28 | 1902CS401 | Software Engineering                   | ✓ |   |   | 2020-2021 |
| 29 | 1902CS402 | Operating Systems                      | ✓ |   |   | 2020-2021 |
| 30 | 1902CS403 | Computer Networks                      | ✓ | ✓ |   | 2020-2021 |
| 31 | 1902CS404 | Design & Analysis Of Algorithms        | ✓ |   |   | 2020-2021 |
| 32 | 1902CS406 | Database Management Systems            | ✓ |   |   | 2020-2021 |
| 33 | 1901GEX04 | Biology for Engineers                  |   |   | ✓ | 2020-2021 |
| 34 | 1901MCX01 | Environmental Science                  |   |   | ✓ | 2020-2021 |
| 35 | 1902CS451 | Networks Laboratory                    | ✓ | ✓ |   | 2020-2021 |
| 36 | 1902CS452 | Operating System Laboratory            | ✓ |   |   | 2020-2021 |
| 37 | 1902CS453 | Database Management Systems Laboratory | ✓ |   |   | 2020-2021 |
| 38 | 1904GE451 | Life Skills : Verbal Ability           |   |   | ✓ | 2020-2021 |
| 39 | 1701MA501 | Discrete Mathematics                   |   |   | ✓ | 2019-2020 |
| 40 | 1702CS501 | Object Oriented Analysis And Design    | ✓ |   |   | 2019-2020 |

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|    |           |  |   |   |   |           |
|----|-----------|--|---|---|---|-----------|
| 41 | 1702CS502 | Theory of Computation                            | ✓ |   |   | 2019-2020 |
| 42 | 1702CS503 | Graphics and Multimedia                          | ✓ |   |   | 2019-2020 |
| 43 | 1703CS002 | Software Testing                                 | ✓ |   |   | 2019-2020 |
| 44 | 1703CS006 | Mobile Computing                                 | ✓ |   |   | 2019-2020 |
| 45 | 1702CS551 | Computer Graphics and Multimedia Laboratory      | ✓ | ✓ |   | 2019-2020 |
| 46 | 1704CS552 | CASE Tools Laboratory (Mini Project I)           | ✓ | ✓ |   | 2019-2020 |
| 47 | 1704CS553 | Technical Seminar                                |   |   | ✓ | 2019-2020 |
| 48 | 1704GE551 | Life Skills: Aptitude – 1                        |   |   | ✓ | 2019-2020 |
| 49 | 1701MGX01 | Professional Ethics                              |   |   | ✓ | 2019-2020 |
| 50 | 1702CS601 | Web Technology                                   | ✓ |   |   | 2019-2020 |
| 51 | 1702CS602 | Artificial Intelligence                          | ✓ |   |   | 2019-2020 |
| 52 | 1702CS603 | Distributed Systems                              | ✓ |   |   | 2019-2020 |
| 53 | 1703CS012 | Data Warehousing and Data Mining                 | ✓ |   |   | 2019-2020 |
| 54 | 1703CS037 | Web Technology                                   | ✓ |   |   | 2019-2020 |
| 55 | 1702CS651 | Web Technology Laboratory                        | ✓ |   |   | 2019-2020 |
| 56 | 1704CS652 | Mobile Application Development Lab(Mini Project) | ✓ | ✓ |   | 2019-2020 |
| 57 | 1704GE651 | Life Skills: Aptitude-II                         |   |   | ✓ | 2019-2020 |
| 58 | 1704CS653 | Industrial Visit Presentation                    | ✓ | ✓ | ✓ | 2019-2020 |
| 59 | 1702CS701 | Cryptography & Network Security                  | ✓ | ✓ |   | 2020-2021 |
| 60 | 1702CS702 | Software Project Management                      | ✓ | ✓ |   | 2020-2021 |
| 61 | 1702CS703 | Big Data Analytics                               | ✓ |   |   | 2020-2021 |
| 62 | 1702CS704 | Cloud Computing                                  | ✓ |   |   | 2020-2021 |
| 63 | 1703ED001 | Startup Entrepreneurship                         | ✓ | ✓ |   | 2020-2021 |
| 64 | 1703CS001 | Service oriented Architecture                    | ✓ | ✓ |   | 2020-2021 |
| 65 | 1702CS751 | Cloud Computing Laboratory                       | ✓ |   |   | 2020-2021 |
| 66 | 1702CS752 | Network Security Laboratory                      | ✓ | ✓ |   | 2020-2021 |

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|----|-----------|--|---|---|---|-----------|
| 67 | 1904CS753 | Software Development Laboratory (Mini Project I) | ✓ | ✓ |   | 2020-2021 |
| 68 | 1704GE751 | Life Skills: Competitive Exams Preparation       |   |   | ✓ | 2020-2021 |
| 69 | 1704CS754 | In-plant Training / Internship Presentation      |   |   | ✓ | 2020-2021 |
| 70 | 1703CS804 | Bio Informatics                                  | ✓ |   |   | 2020-2021 |
| 71 | 1703CS807 | Data Centre and Virtualization                   | ✓ |   |   | 2020-2021 |
| 72 | 1703CS815 | Social Network Analysis                          | ✓ |   |   | 2020-2021 |
| 73 | 1704CS851 | Project Work                                     | ✓ | ✓ | ✓ | 2020-2022 |

| 2021-2022 |             |                                  |   |  |   |  |
|-----------|-------------|----------------------------------|---|--|---|--|
| S.No      | Course Code | Name of the Course               | Activity/Content with direct bearing on employability | Activity/Content with direct bearing on entrepreneurship | Activity/Content with direct bearing on Skill development | Year of Introduction (During the last five year) |
| 1         | 1901MA102   | Engineering Mathematics –I       |   |  | ✓   | 2019-2020  |
| 2         | 1901CH104   | Applied Chemistry in Informatics |   |  | ✓   | 2019-2020  |
| 3         | 1901GEX03   | Programming For Problem Solving  | ✓   |  |   | 2019-2020  |
| 4         | 1901ENX01   | English For Engineers            |   |  | ✓   | 2019-2020  |
| 5         | 1901GE151   | Engineering Intelligence I       |   |  | ✓   | 2019-2020  |
| 6         | 1901GEX52   | Computer Programming Lab         | ✓   |  |   | 2019-2020  |
| 7         | 1901CHX51   | Engineering Chemistry Lab        |   |  | ✓   | 2019-2020  |
| 8         | 1901HSX51   | Communication Skills Lab         |   |  | ✓   | 2019-2020  |
| 9         | 1901MA202   | Engineering Mathematics –II      |   |  | ✓   | 2019-2020  |
| 10        | 1901PH201   | Physics for Information Science  |   |  | ✓   | 2019-2020  |
| 11        | 1901GEX01   | Basic Electrical and             | ✓   | ✓  | ✓   | 2019-2020  |

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|    |           |  |   |   |   |           |
|----|-----------|--|---|---|---|-----------|
|    |           | Electronics Engineering                        |   |   |   |           |
| 12 | 1901GEX02 | Engineering Graphics                           |   |   | ✓ | 2019-2020 |
| 13 | 1901GE201 | Engineering Exploration                        |   |   | ✓ | 2019-2020 |
| 14 | 1901GE254 | Computer Hardware and IT Essentials Laboratory | ✓ | ✓ |   | 2019-2020 |
| 15 | 1901GE252 | Engineering Intelligence - II                  |   |   | ✓ | 2019-2020 |
| 16 | 1901GEX51 | CAD Laboratory                                 | ✓ | ✓ |   | 2019-2020 |
| 17 | 1901GEX53 | Basic Electrical And Electronics Lab           |   |   | ✓ | 2019-2020 |
| 18 | 1901PHX51 | Engineering Physics Lab                        |   |   | ✓ | 2019-2020 |
| 19 | 1901MA302 | Engineering Mathematics III                    |   |   | ✓ | 2020-2021 |
| 20 | 1902CS301 | Data Structures                                | ✓ |   |   | 2020-2021 |
| 21 | 1902CS302 | Object Oriented Programming                    | ✓ |   |   | 2020-2021 |
| 22 | 1902CS303 | Computer Organization and Architecture         | ✓ |   |   | 2020-2021 |
| 23 | 1902CS304 | Digital Logic and Microprocessors              | ✓ |   |   | 2020-2021 |
| 24 | 1901MCX02 | Constitution Of India                          | ✓ |   |   | 2020-2021 |
| 25 | 1902CS352 | Object Oriented Programming Laboratory         | ✓ |   |   | 2020-2021 |
| 26 | 1902CS351 | Data Structures Laboratory                     | ✓ |   |   | 2020-2021 |
| 27 | 1904GE351 | Life Skills: Soft Skill                        |   |   | ✓ | 2020-2021 |
| 28 | 1902CS401 | Software Engineering                           | ✓ |   |   | 2020-2021 |
| 29 | 1902CS402 | Operating Systems                              | ✓ |   |   | 2020-2021 |
| 30 | 1902CS403 | Computer Networks                              | ✓ |   |   | 2020-2021 |
| 31 | 1902CS404 | Design & Analysis Of Algorithms                | ✓ |   |   | 2020-2021 |
| 32 | 1902CS406 | Database Management Systems                    | ✓ |   |   | 2020-2021 |
| 33 | 1901GEX04 | Biology for Engineers                          | ✓ |   |   | 2020-2021 |
| 34 | 1901MCX01 | Environmental Science                          |   |   | ✓ | 2020-2021 |
| 35 | 1902CS451 | Networks Laboratory                            | ✓ |   |   | 2020-2021 |
| 36 | 1902CS452 | Operating System Laboratory                    | ✓ |   |   | 2020-2021 |

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|    |           |  |   |   |   |           |
|----|-----------|--|---|---|---|-----------|
| 37 | 1902CS453 | Database Management Systems Laboratory           | ✓ |   |   | 2020-2021 |
| 38 | 1904GE451 | Life Skills : Verbal Ability                     |   |   | ✓ | 2020-2021 |
| 39 | 1901MA501 | Discrete Mathematics                             |   |   | ✓ | 2021-2022 |
| 40 | 1902CS501 | Object Oriented Analysis And Design              | ✓ | ✓ |   | 2021-2022 |
| 41 | 1902CS502 | Theory of Computation                            | ✓ |   |   | 2021-2022 |
| 42 | 1903CS001 | Mobile Computing                                 | ✓ |   |   | 2021-2022 |
| 43 | 1901MGX01 | Total Quality Management                         | ✓ |   |   | 2021-2022 |
| 44 | 1902CS551 | CASE Tools Laboratory                            | ✓ |   |   | 2021-2022 |
| 45 | 1902CS552 | Mobile Application Development Lab               | ✓ |   |   | 2021-2022 |
| 46 | 1902MCX03 | Essence Of Indian Traditional Knowledge          | ✓ |   |   | 2021-2022 |
| 47 | 1904GE551 | Life Skills: Aptitude – 1                        |   |   | ✓ | 2021-2022 |
| 48 | 1902CS601 | Compiler Design                                  | ✓ |   |   | 2021-2022 |
| 49 | 1902CS602 | Web Technology                                   | ✓ |   |   | 2021-2022 |
| 50 | 1902CS603 | Artificial Intelligence                          | ✓ |   |   |           |
| 51 | 1903CS005 | Distributed Systems                              | ✓ |   |   | 2021-2022 |
| 52 | 1901HS003 | Startup Entrepreneurship                         | ✓ |   |   | 2021-2022 |
| 53 | 1903CS024 | Web technology                                   | ✓ |   |   | 2021-2022 |
| 54 | 1902CS652 | Web Technology Laboratory                        | ✓ |   |   | 2021-2022 |
| 55 | 1902CS651 | Compiler Laboratory                              | ✓ |   |   | 2021-2022 |
| 56 | 1904CS653 | Software Prototype Development Lab(Mini Project) | ✓ | ✓ | ✓ | 2021-2022 |
| 57 | 1904GE451 | Life Skills :Aptitude – II                       |   |   | ✓ | 2021-2022 |
| 58 | 1904CS654 | Industrial Visit Presentation                    | ✓ | ✓ | ✓ | 2021-2022 |
| 59 | 1702CS701 | Cryptography & Network Security                  | ✓ |   |   | 2020-2021 |
| 60 | 1702CS702 | Software Project Management                      | ✓ |   |   | 2020-2021 |
| 61 | 1702CS703 | Big Data Analytics                               | ✓ |   |   | 2020-2021 |

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|----|-----------|--|---|---|---|-----------|
| 62 | 1702CS704 | Cloud Computing                                  | ✓ |   |   | 2020-2021 |
| 63 | 1703CS041 | Artificial Intelligence                          | ✓ |   |   | 2020-2021 |
| 64 | 1703CS001 | Service oriented Architecture                    | ✓ |   |   | 2020-2021 |
| 65 | 1702CS751 | Cloud Computing Laboratory                       | ✓ |   |   | 2020-2021 |
| 66 | 1702CS752 | Network Security Laboratory                      | ✓ |   |   | 2020-2021 |
| 67 | 1904CS753 | Software Development Laboratory (Mini Project I) | ✓ | ✓ | ✓ | 2020-2021 |
| 68 | 1704GE751 | Life Skills: Competitive Exams Preparation       |   |   | ✓ | 2020-2021 |
| 69 | 1704CS754 | In-plant Training / Internship Presentation      |   |   | ✓ | 2020-2021 |
| 70 | 1703CS804 | Bio Informatics                                  | ✓ |   |   | 2020-2021 |
| 71 | 1703CS807 | Data Centre and Virtualization                   | ✓ |   |   | 2020-2021 |
| 72 | 1703CS815 | Social Network Analysis                          | ✓ |   |   | 2020-2021 |
| 73 | 1704CS851 | Project Work                                     | ✓ | ✓ | ✓ | 2020-2022 |

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