# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|---|---|---|---|
| 1 | Mathematics -I | 18MTC01 | B.E. Mechanical Engineering |
| 2 | Introduction To Mechanics And Electromagnetic Theory | 18PYC03 | B.E. Mechanical Engineering |
| 3 | Programming for Problem Solving | 18CSC01 | B.E. Mechanical Engineering |
| 4 | English | 18EGC01 | B.E. Mechanical Engineering |
| 5 | Mechanics And Electromagnetic Lab | 18PYC06 | B.E. Mechanical Engineering |
| 6 | Programming for Problem Solving Lab | 18CSC02 | B.E. Mechanical Engineering |
| 7 | Workshop/Manufacturing Practice | 18MEC02 | B.E. Mechanical Engineering |
| 8 | English Lab | 18EGC02 | B.E. Mechanical Engineering |
| 9 | Mathematics -II | 18MTC03 | B.E. Mechanical Engineering |
| 10 | Chemistry | 18CYC01 | B.E. Mechanical Engineering |
| 11 | Engineering Mechanics | 18CEC01 | B.E. Mechanical Engineering |
| 12 | Engineering Graphics and Design | 18MEC01 | B.E. Mechanical Engineering |
| 13 | Basic Electrical Engineering | 18EEC01 | B.E. Mechanical Engineering |
| 14 | Basic Electrical Engineering Lab | 18EEC02 | B.E. Mechanical Engineering |
| 15 | Chemistry Lab | 18CYC02 | B.E. Mechanical Engineering |
| 16 | Dynamics of Machines | 16ME C20 | B.E. Mechanical Engineering |
| 17 | Applied Thermodynamics & Heat Transfer | 16ME C21 | B.E. Mechanical Engineering |
| 18 | Design of Machine Elements | 16ME C22 | B.E. Mechanical Engineering |
| 19 | Refrigeration and Air Conditioning | 16ME E01 | B.E. Mechanical Engineering |
| 20 | Mechanical Vibrations | 16ME E02 | B.E. Mechanical Engineering |
| 21 | Product Design and Process Planning | 16PE E02 | B.E. Mechanical Engineering |
| 22 | Principles of Industrial Engineering | 16PE E05 | B.E. Mechanical Engineering |
| 23 | Fuels, Combustion and Environment | 16ME E03 | B.E. Mechanical Engineering |
| 24 | Non Destructive Testing and Evaluation | 16PE E03 | B.E. Mechanical Engineering |
| 25 | Plastics, Ceramics and Composite Materials | 16PE E04 | B.E. Mechanical Engineering |
| 26 | Probability and Numerical Methods | 16MT E04 | B.E. Mechanical Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075
## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|---------------------|-------------|------------------------|
| 27 | Dynamics & Vibrations Lab | 16ME C23 | B.E. Mechanical Engineering |
| 28 | Applied Thermodynamics & Heat Transfer Lab | 16ME C24 | B.E. Mechanical Engineering |
| 29 | Electrical Machines & Microcontroller Applications Lab | 16EE C22 | B.E. Mechanical Engineering |
| 30 | Industrial Visit | 16ME C25 | B.E. Mechanical Engineering |
| 31 | CAD and CAM | 16ME C26 | B.E. Mechanical Engineering |
| 32 | Metal Cutting and Machine Tool Engineering | 16ME C27 | B.E. Mechanical Engineering |
| 33 | Thermal Turbo Machines | 16ME C28 | B.E. Mechanical Engineering |
| 34 | Machine Design | 16ME C29 | B.E. Mechanical Engineering |
| 35 | Advanced IC Engines | 16ME E05 | B.E. Mechanical Engineering |
| 36 | Computational Fluid Dynamics | 16ME E06 | B.E. Mechanical Engineering |
| 37 | Automobile Engineering | 16ME E07 | B.E. Mechanical Engineering |
| 38 | Digital Manufacturing | 16PE E10 | B.E. Mechanical Engineering |
| 39 | Heat and Mass Transfer | 16ME E08 | B.E. Mechanical Engineering |
| 40 | Object Oriented Programming With C++ | 16ME E09 | B.E. Mechanical Engineering |
| 41 | Modern Machining and Forming Methods | 16PE E08 | B.E. Mechanical Engineering |
| 42 | Surface Engineering | 16PE E09 | B.E. Mechanical Engineering |
| 43 | CAD and CAM Lab | 16ME C30 | B.E. Mechanical Engineering |
| 44 | Metal Cutting and Machine Tool Engineering Lab | 16ME C31 | B.E. Mechanical Engineering |
| 45 | Thermal Engineering Lab | 16ME C32 | B.E. Mechanical Engineering |
| 46 | Mathematics -I | 18MTC01 | B.E. Production Engineering |
| 47 | Introduction To Mechanics And Electromagnetic Theory | 18PYC03 | B.E. Production Engineering |
| 48 | Programming for Problem Solving | 18CSC01 | B.E. Production Engineering |
| 49 | English | 18EGC01 | B.E. Production Engineering |
| 50 | Mechanics And Electromagnetic Lab | 18PYC06 | B.E. Production Engineering |
| 51 | Programming for Problem Solving Lab | 18CSC02 | B.E. Production Engineering |
| 52 | Workshop/Manufacturing Practice | 18MEC02 | B.E. Production Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|------------------------|
| 53 | English Lab | 18EGC02 | B.E. Production Engineering |
| 54 | Mathematics -II | 18MTC03 | B.E. Production Engineering |
| 55 | Chemistry | 18CYC01 | B.E. Production Engineering |
| 56 | Engineering Mechanics | 18CEC01 | B.E. Production Engineering |
| 57 | Engineering Graphics and Design | 18MEC01 | B.E. Production Engineering |
| 58 | Basic Electrical Engineering | 18EEC01 | B.E. Production Engineering |
| 59 | Basic Electrical Engineering Lab | 18EEC02 | B.E. Production Engineering |
| 60 | Chemistry Lab | 18CYC02 | B.E. Production Engineering |
| 61 | Dynamics of Machines | 16ME C20 | B.E. Production Engineering |
| 62 | Applied Thermodynamics & Heat Transfer | 16ME C21 | B.E. Production Engineering |
| 63 | Design of Machine Elements | 16ME C22 | B.E. Production Engineering |
| 64 | Refrigeration and Air Conditioning | 16ME E01 | B.E. Production Engineering |
| 65 | Mechanical Vibrations | 16ME E02 | B.E. Production Engineering |
| 66 | Product Design and Process Planning | 16PE E02 | B.E. Production Engineering |
| 67 | Powder Processing | 16PE E01 | B.E. Production Engineering |
| 68 | Hydraulic Machines | 16ME E04 | B.E. Production Engineering |
| 69 | Non Destructive Testing and Evaluation | 16PE E03 | B.E. Production Engineering |
| 70 | Plastics, Ceramics and Composite Materials | 16PE E04 | B.E. Production Engineering |
| 71 | Probability and Numerical Methods | 16MT E04 | B.E. Production Engineering |
| 72 | Dynamics & Vibrations Lab | 16ME C23 | B.E. Production Engineering |
| 73 | Applied Thermodynamics & Heat Transfer Lab | 16ME C24 | B.E. Production Engineering |
| 74 | Electrical Machines & Microcontroller Applications Lab | 16EE C22 | B.E. Production Engineering |
| 75 | Industrial Visit | 16PE C05 | B.E. Production Engineering |
| 76 | CAD and CAM | 16ME C26 | B.E. Production Engineering |
| 77 | Machine Tool Engineering | 16PE C06 | B.E. Production Engineering |
| 78 | Additive Manufacturing | 16PE C07 | B.E. Production Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075
## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|-----------------------|
| 79 | Machine Design | 16ME C29 | B.E. Production Engineering |
| 80 | Work System Design | 16PE E06 | B.E. Production Engineering |
| 81 | Computational Fluid Dynamics | 16ME E06 | B.E. Production Engineering |
| 82 | Automobile Engineering | 16ME E07 | B.E. Production Engineering |
| 83 | Quality and Reliability Engineering | 16PE E07 | B.E. Production Engineering |
| 84 | Turbo Machines | 16ME E10 | B.E. Production Engineering |
| 85 | Object Oriented Programming With C++ | 16ME E09 | B.E. Production Engineering |
| 86 | Modern Machining and Forming Methods | 16PE E08 | B.E. Production Engineering |
| 87 | Surface Engineering | 16PE E09 | B.E. Production Engineering |
| 88 | CAD and CAM Lab | 16ME C30 | B.E. Production Engineering |
| 89 | Machine Tool Engineering Lab | 16PE C08 | B.E. Production Engineering |
| 90 | Additive Manufacturing Lab | 16PE C09 | B.E. Production Engineering |
| 91 | Engg. Mathematics -I | 18MT C02 | B.Tech.- Biotechnology |
| 92 | Biology-I | 18BTC01 | B.Tech.- Biotechnology |
| 93 | Programming for Problem Solving | 18CS C01 | B.Tech.- Biotechnology |
| 94 | English | 18EG C01 | B.Tech.- Biotechnology |
| 95 | Programming for Problem Solving Lab | 18CS C02 | B.Tech.- Biotechnology |
| 96 | Workshop/ Manufacturing Practice | 18ME C02 | B.Tech.- Biotechnology |
| 97 | English Lab | 18EG C02 | B.Tech.- Biotechnology |
| 98 | Engg.Mathematics -II | 18MT C04 | B.Tech.- Biotechnology |
| 99 | Basics of Biology-II | 18BT C02 | B.Tech.- Biotechnology |
| 100 | Engineering Mechanics | 18CE C01 | B.Tech.- Biotechnology |
| 101 | Engineering Graphics and Design | 18ME C01 | B.Tech.- Biotechnology |
| 102 | Basic Electrical Engineering | 18EE C01 | B.Tech.- Biotechnology |
| 103 | Basic Electrical Engineering Lab | 18EE C02 | B.Tech.- Biotechnology |
| 104 | Biostatistics | 16MT C08 | B.Tech.- Biotechnology |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|------------------------|
| 105 | Fluid Mechanics and Heat Transfer | 16BT C19 | B.Tech.- Biotechnology |
| 106 | Protein Engineering and Enzyme Technology | 16BT C20 | B.Tech.- Biotechnology |
| 107 | Genetic Engineering and rDNA Technology | 16BT C21 | B.Tech.- Biotechnology |
| 108 | Environmental Biotechnology | 16BT E22 | B.Tech.- Biotechnology |
| 109 | Food Biotechnology | 16BT E23 | B.Tech.- Biotechnology |
| 110 | Computational Numerical Methods | 16MT E02 | B.Tech.- Biotechnology |
| 111 | Python for Bioinformatics | 18CS E02 | B.Tech.- Biotechnology |
| 112 | Virology | 16BT E24 | B.Tech.- Biotechnology |
| 113 | Metabolic Engineering | 16BT E25 | B.Tech.- Biotechnology |
| 114 | Fluid Mechanics and Heat Transfer Lab | 16BT C26 | B.Tech.- Biotechnology |
| 115 | Enzyme Technology Lab | 16BT C27 | B.Tech.- Biotechnology |
| 116 | Genetic Engineering Lab | 16BT C28 | B.Tech.- Biotechnology |
| 117 | Fermentation Technology | 16BT C29 | B.Tech.- Biotechnology |
| 118 | Mass Transfer Operations | 16BT C30 | B.Tech.- Biotechnology |
| 119 | Bioinformatics | 16BT C31 | B.Tech.- Biotechnology |
| 120 | JAVA Programming and Bio-Java | 18CS E02 | B.Tech.- Biotechnology |
| 121 | Medical Biotechnology | 16BT E32 | B.Tech.- Biotechnology |
| 122 | Phyto Chemicals and Herbal Products | 16BT E33 | B.Tech.- Biotechnology |
| 123 | Developmental Biology | 16BT E34 | B.Tech.- Biotechnology |
| 124 | Pharamceutical Biotechnology | 16BT E35 | B.Tech.- Biotechnology |
| 125 | Bioprocess Economics & Plant Design | 16BT E36 | B.Tech.- Biotechnology |
| 126 | Bioprocess Lab | 16BT C37 | B.Tech.- Biotechnology |
| 127 | Mass Transfer Operations Lab | 16BT C38 | B.Tech.- Biotechnology |
| 128 | Bioinformatics Lab | 16BT C39 | B.Tech.- Biotechnology |
| 129 | Mini Project | 16BT C40 | B.Tech.- Biotechnology |
| 130 | Object Oriented System Development(OOSD) | 16MCC126 | Master of Computer Applications |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|---|---|---|---|
| 131 | Machine Learning | 16MCC127 | Master of Computer Applications |
| 132 | Cryptography & Network Security | 16MCC128 | Master of Computer Applications |
| 133 | Object Oriented System Development Lab | 16MCC129 | Master of Computer Applications |
| 134 | Machine Learning Lab using Python | 16MCC130 | Master of Computer Applications |
| 135 | Seminar | 16MCC131 | Master of Computer Applications |
| 136 | Internet of Things | 16MCE110 | Master of Computer Applications |
| 137 | Business Intelligence and Analytics | 16MC E111 | Master of Computer Applications |
| 138 | Big Data Analytics | 16MC E113 | Master of Computer Applications |
| 139 | E-Commerce | 16MC E114 | Master of Computer Applications |
| 140 | MAJOR PROJECT WORK | 16MC C132 | Master of Computer Applications |
| 141 | Programming for problem solving | 18CS C01 | B.E.-Computer Science and Engineering |
| 142 | Programming for Problem Solving Lab | 18CS C02 | B.E.-Computer Science and Engineering |
| 143 | Object-Oriented Programming | 18CS C03 | B.E.-Computer Science and Engineering |
| 144 | Object-Oriented Programming Lab | 18CS C04 | B.E.-Computer Science and Engineering |
| 145 | Design and Analysis of Algorithms | 16CSC17 | B.E.-Computer Science and Engineering |
| 146 | Automata Languages and Computation | 16CSC18 | B.E.-Computer Science and Engineering |
| 147 | Operating Systems | 16CSC19 | B.E.-Computer Science and Engineering |
| 148 | Data Communication and Computer Networks | 16CSC20 | B.E.-Computer Science and Engineering |
| 149 | Software Engineering | 16CSC21 | B.E.-Computer Science and Engineering |
| 150 | Mobile Application Development(E-II) | 16CSE04 | B.E.-Computer Science and Engineering |
| 151 | Computer Graphics(E-II) | 16CSE05 | B.E.-Computer Science and Engineering |
| 152 | Operating Systems Lab | 16CSC22 | B.E.-Computer Science and Engineering |
| 153 | Software Engineering Lab | 16CSC24 | B.E.-Computer Science and Engineering |
| 154 | Data Communication and Computer Networks Lab | 16CSC23 | B.E.-Computer Science and Engineering |
| 155 | Compiler Construction | 16CSC25 | B.E.-Computer Science and Engineering |
| 156 | Artificial Intelligence | 16CSC26 | B.E.-Computer Science and Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|------------------------|
| 157 | Mobile Computing | 16CSC27 | B.E.-Computer Science and Engineering |
| 158 | Information and Network Security | 16CSC28 | B.E.-Computer Science and Engineering |
| 159 | Internet of Things | 16CSC29 | B.E.-Computer Science and Engineering |
| 160 | Information and Network security Lab | 16CSC30 | B.E.-Computer Science and Engineering |
| 161 | Internet of Things Lab | 16CSC31 | B.E.-Computer Science and Engineering |
| 162 | Mini Project-II | 16CSC32 | B.E.-Computer Science and Engineering |
| 163 | Computer Vision | 16CSE07 | B.E.-Computer Science and Engineering |
| 164 | Soft Computing(E-I) | 16CSE08 | B.E.-Computer Science and Engineering |
| 165 | Data Mining | 16CSE09 | B.E.-Computer Science and Engineering |
| 166 | Mathematics -I | 18MT C01 | B.E. - Information Technology |
| 167 | Chemistry | 18CY C01 | B.E. - Information Technology |
| 168 | Engineering Mechanics | 18CE C01 | B.E. - Information Technology |
| 169 | Engineering Graphics and Design | 18ME C01 | B.E. - Information Technology |
| 170 | Programming for Problem Solving | 18CS C01 | B.E. - Information Technology |
| 171 | Programming for Problem Solving Lab | 18CS C02 | B.E. - Information Technology |
| 172 | Chemistry Lab | 18CY CO2 | B.E. - Information Technology |
| 173 | Mathematics - II | 18MT C03 | B.E. - Information Technology |
| 174 | Optics and Semiconductor Physics | 18PY C01 | B.E. - Information Technology |
| 175 | Object Oriented Programming Through C++ | 18ITC01 | B.E. - Information Technology |
| 176 | English | 18EG C01 | B.E. - Information Technology |
| 177 | Optics and Semiconductor Physics Laboratory | 18PY C02 | B.E. - Information Technology |
| 178 | Object Oriented Programming Through C++ | 18IT C02 | B.E. - Information Technology |
| 179 | Workshop/ Manufacturing Practice | 18ME C02 | B.E. - Information Technology |
| 180 | English Lab | 18EG C02 | B.E. - Information Technology |
| 181 | Mathematics -I | 18MTC01 | B.E. Electrical and Electronics Engineering |
| 182 | Waves, Optics and | 18PYC04 | B.E. Electrical and Electronics Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|------------------------|
| 183 | Programming for Problem | 18CSC01 | B.E. Electrical and Electronics Engineering |
| 184 | English | 18EGC01 | B.E. Electrical and Electronics Engineering |
| 185 | Waves and Optics | 18PYC07 | B.E. Electrical and Electronics Engineering |
| 186 | Programming and Problem | 18CSC02 | B.E. Electrical and Electronics Engineering |
| 187 | Workshop/ Manufacturing | 18MEC02 | B.E. Electrical and Electronics Engineering |
| 188 | English Lab | 18EGC02 | B.E. Electrical and Electronics Engineering |
| 189 | Mathematics -II | 18MTC03 | B.E. Electrical and Electronics Engineering |
| 190 | Chemistry | 18CYC01 | B.E. Electrical and Electronics Engineering |
| 191 | Engineering Mechanics | 18CEC01 | B.E. Electrical and Electronics Engineering |
| 192 | Engineering Graphics and | 18MEC01 | B.E. Electrical and Electronics Engineering |
| 193 | Basic Electrical Engineering | 18EEC01 | B.E. Electrical and Electronics Engineering |
| 194 | Basic Electrical Engineering | 18EEC02 | B.E. Electrical and Electronics Engineering |
| 195 | Chemistry Lab | 18CYC02 | B.E. Electrical and Electronics Engineering |
| 196 | Power Systems – II | 16EEC15 | B.E. Electrical and Electronics Engineering |
| 197 | Electrical Machinery – II | 16EEC16 | B.E. Electrical and Electronics Engineering |
| 198 | Power Electronics | 16EEC17 | B.E. Electrical and Electronics Engineering |
| 199 | Linear Control Systems | 16EEC18 | B.E. Electrical and Electronics Engineering |
| 200 | Non Conventional Energy Sources | 16EE E01 | B.E. Electrical and Electronics Engineering |
| 201 | Statistical and Numerical Methods | 16MT E01 | B.E. Electrical and Electronics Engineering |
| 202 | Electrical Machinery – II Lab | 16EEC19 | B.E. Electrical and Electronics Engineering |
| 203 | Power Electronics Lab | 16EEC20 | B.E. Electrical and Electronics Engineering |
| 204 | Linear Control Systems Lab | 16EEC21 | B.E. Electrical and Electronics Engineering |
| 205 | Electrical Machinery – III | 16EEC23 | B.E. Electrical and Electronics Engineering |
| 206 | Switchgear and Protection | 16EEC24 | B.E. Electrical and Electronics Engineering |
| 207 | Power Semiconductor Drives | 16EEC25 | B.E. Electrical and Electronics Engineering |
| 208 | Microprocessor and Microcontrollers | 16EEC26 | B.E. Electrical and Electronics Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|---|---|---|---|
| 209 | Artificial Intelligence Techniques in Electrical Engineering | 16EEE06 | B.E. Electrical and Electronics Engineering |
| 210 | Optimization Techniques | 16EEE08 | B.E. Electrical and Electronics Engineering |
| 211 | Advanced Control System | 16EEE09 | B.E. Electrical and Electronics Engineering |
| 212 | High Voltage DC Transmission | 16EEE11 | B.E. Electrical and Electronics Engineering |
| 213 | Simulation Techniques for Electrical Engineering | 16EEE12 | B.E. Electrical and Electronics Engineering |
| 214 | Microprocessor and Microcontrollers Lab | 16EEC27 | B.E. Electrical and Electronics Engineering |
| 215 | Power Systems Lab | 16EEC28 | B.E. Electrical and Electronics Engineering |
| 216 | Mini Project | 16EEC29 | B.E. Electrical and Electronics Engineering |
| 217 | Mathematics-I | 18MTC01 | B.E-Electronics and Communication Engineering |
| 218 | Chemistry | 18CYC01 | B.E-Electronics and Communication Engineering |
| 219 | Engineering Mechanics | 18CEC01 | B.E-Electronics and Communication Engineering |
| 220 | Engineering Graphics and Design | 18MEC01 | B.E-Electronics and Communication Engineering |
| 221 | Basic Electrical Engineering | 18EEC01 | B.E-Electronics and Communication Engineering |
| 222 | Basic Electrical Engineering Lab | 18EEC02 | B.E-Electronics and Communication Engineering |
| 223 | Chemistry Lab | 18CYCO2 | B.E-Electronics and Communication Engineering |
| 224 | Mathematics -II | 18MTC03 | B.E-Electronics and Communication Engineering |
| 225 | Optics and Semiconductor Physics | 18PYC01 | B.E-Electronics and Communication Engineering |
| 226 | Programming for Problem Solving | 18CSC01 | B.E-Electronics and Communication Engineering |
| 227 | English | 18EGC01 | B.E-Electronics and Communication Engineering |
| 228 | Optics and Semiconductor Physics Laboratory | 18PYC02 | B.E-Electronics and Communication Engineering |
| 229 | Programming for Problem Solving Lab | 18CSC02 | B.E-Electronics and Communication Engineering |
| 230 | Workshop/ManufacturingPractice | 18MEC02 | B.E-Electronics and Communication Engineering |
| 231 | English Lab | 18EGC02 | B.E-Electronics and Communication Engineering |
| 232 | Digital Communication | 16ECC18 | B.E-Electronics and Communication Engineering |
| 233 | Integrated Circuits and Applications | 16ECC19 | B.E-Electronics and Communication Engineering |
| 234 | Microprocessors and Microcontrollers | 16ECC20 | B.E-Electronics and Communication Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075
## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|---|---|---|---|
| 235 | Control Systems | 16ECC21 | B.E-Electronics and Communication Engineering |
| 236 | Computer Organization and Architecture | 16ECE01 | B.E-Electronics and Communication Engineering |
| 237 | Digital Communication Lab | 16ECC22 | B.E-Electronics and Communication Engineering |
| 238 | Integrated Circuits and Applications Lab | 16ECC23 | B.E-Electronics and Communication Engineering |
| 239 | Microprocessors and Microcontrollers Lab | 16ECC24 | B.E-Electronics and Communication Engineering |
| 240 | Embedded System Design | 16ECC25 | B.E-Electronics and Communication Engineering |
| 241 | Digital Signal Processing | 16ECC26 | B.E-Electronics and Communication Engineering |
| 242 | Microwave Engineering | 16ECC27 | B.E-Electronics and Communication Engineering |
| 243 | Wireless Mobile Communication | 16ECC28 | B.E-Electronics and Communication Engineering |
| 244 | Analog and Mixed Signal Design | 16ECE03 | B.E-Electronics and Communication Engineering |
| 245 | Coding Theory and Techniques | 16ECE04 | B.E-Electronics and Communication Engineering |
| 246 | Data Structures | 16ITE27 | B.E-Electronics and Communication Engineering |
| 247 | Java Programming | 16ITE25 | B.E-Electronics and Communication Engineering |
| 248 | Python Programming | 16ITE26 | B.E-Electronics and Communication Engineering |
| 249 | Embedded System Design Lab | 16ECC29 | B.E-Electronics and Communication Engineering |
| 250 | Digital Signal Processing Lab | 16ECC30 | B.E-Electronics and Communication Engineering |
| 251 | Microwave Engineering Lab | 16ECC31 | B.E-Electronics and Communication Engineering |
| 252 | Engineering Mathematics - I | 18MT C 01 | B.Tech - Chemical Engineering |
| 253 | Physics | 18PY C 05 | B.Tech - Chemical Engineering |
| 254 | Programing for problem solving | 18CS C 01 | B.Tech - Chemical Engineering |
| 255 | English | 18EG C 01 | B.Tech - Chemical Engineering |
| 256 | Physics Lab | 18PY C 08 | B.Tech - Chemical Engineering |
| 257 | Programming for Problem Solving Lab | 18CS C 02 | B.Tech - Chemical Engineering |
| 258 | Workshop/ Manufacturing Practice | 18ME C 02 | B.Tech - Chemical Engineering |
| 259 | English Lab | 18EG C 02 | B.Tech - Chemical Engineering |
| 260 | Mathematics - II | 18MT C 03 | B.Tech - Chemical Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|------------------------|
| 261 | Chemistry | 18CY C 01 | B.Tech - Chemical Engineering |
| 262 | Engineering Mechanics | 18CE C 01 | B.Tech - Chemical Engineering |
| 263 | Engineering Graphics and Design | 18ME C 01 | B.Tech - Chemical Engineering |
| 264 | Basic Electrical Engineering | 18EE C 01 | B.Tech - Chemical Engineering |
| 265 | Basic Electrical Engineering Lab | 18EE C 02 | B.Tech - Chemical Engineering |
| 266 | Chemistry Lab | 18CY C 02 | B.Tech - Chemical Engineering |
| 267 | Chemical Reaction Engineering - II | 16CH C 11 | B.Tech - Chemical Engineering |
| 268 | Mass Transfer Operations – I | 16CH C 12 | B.Tech - Chemical Engineering |
| 269 | Process Instrumentation | 16CH C 13 | B.Tech - Chemical Engineering |
| 270 | Surface Coating Technology | 16CH E 02 | B.Tech - Chemical Engineering |
| 271 | Technology of Vegetable Oils and Fats | 16CH E 03 | B.Tech - Chemical Engineering |
| 272 | Corrosion Engineering | 16CH E 04 | B.Tech - Chemical Engineering |
| 273 | Mineral Processing Technology | 16CH E 05 | B.Tech - Chemical Engineering |
| 274 | Mechanical Unit Operations Lab | 16CH C 14 | B.Tech - Chemical Engineering |
| 275 | Process Heat Transfer Laboratory | 16CH C 15 | B.Tech - Chemical Engineering |
| 276 | Surface Coating Technology Lab | 16CH E 06 | B.Tech - Chemical Engineering |
| 277 | Technology Of Vegetable Oils And Fats Lab. | 16CH E 07 | B.Tech - Chemical Engineering |
| 278 | Bio Chemical Engineering | 16CH C 16 | B.Tech - Chemical Engineering |
| 279 | Chemical Engineering Thermodynamics – II | 16CH C 17 | B.Tech - Chemical Engineering |
| 280 | Chemical Process Safety | 16CH C 18 | B.Tech - Chemical Engineering |
| 281 | Process Dynamics and Control | 16CH C 19 | B.Tech - Chemical Engineering |
| 282 | Process Modeling Simulation And Optimization | 16CH C 20 | B.Tech - Chemical Engineering |
| 283 | Energy Engineering. | 16CH E 08 | B.Tech - Chemical Engineering |
| 284 | Fluidization Engineering | 16CH E 09 | B.Tech - Chemical Engineering |
| 285 | Pharmaceutical Technology | 16CH E 10 | B.Tech - Chemical Engineering |
| 286 | Chemical Reaction Engineering Laboratory | 16CH C 21 | B.Tech - Chemical Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|------|--------------------|-------------|------------------------|
| 287 | Process Dynamics And Control Laboratory | 16CH C 22 | B.Tech - Chemical Engineering |
| 288 | Process Modeling Simulation Laboratory | 16CH C 23 | B.Tech - Chemical Engineering |
| 289 | Reinforced Concrete Design-I | 16CE C18 | B.E. Civil Engineering |
| 290 | Soil Mechanics | 16CE C19 | B.E. Civil Engineering |
| 291 | Theory of structures-I | 16CE C20 | B.E. Civil Engineering |
| 292 | Concrete Technology | 16CE C21 | B.E. Civil Engineering |
| 293 | Fluid Mechanics-II | 16CE C22 | B.E. Civil Engineering |
| 294 | Fluid Mechanics Lab | 16CE C23 | B.E. Civil Engineering |
| 295 | Environmental Engineering Lab | 16CE C24 | B.E. Civil Engineering |
| 296 | Concrete Laboratory | 16CE C25 | B.E. Civil Engineering |
| 297 | Rock Mechanics | 16CE E01 | B.E. Civil Engineering |
| 298 | Advanced Surveying | 16CE E02 | B.E. Civil Engineering |
| 299 | Advanced Strength of Materials | 16CE E03 | B.E. Civil Engineering |
| 300 | Theory of Structures-II | 16CE C 26 | B.E. Civil Engineering |
| 301 | Reinforced Concrete Design-II | 16CE C27 | B.E. Civil Engineering |
| 302 | Water Resources Engineering-I | 16CE C28 | B.E. Civil Engineering |
| 303 | Foundation Engineering | 16CE C29 | B.E. Civil Engineering |
| 304 | Soil Mechanics Laboratory | 16CE C30 | B.E. Civil Engineering |
| 305 | Hydraulics and Hydraulic Machinery Lab | 16CE C31 | B.E. Civil Engineering |
| 306 | Transportation Engineering Lab | 16CE C32 | B.E. Civil Engineering |
| 307 | Finite Element Method | 16CE E04 | B.E. Civil Engineering |
| 308 | GIS and Remote Sensing | 16CE E05 | B.E. Civil Engineering |
| 309 | Artificial Neural Networks, Fuzzy Logic and Expert Systems | 16CE E06 | B.E. Civil Engineering |
| 310 | Industrial Visit | 16CE C33 | B.E. Civil Engineering |
| 311 | Mathematics-I | 18MT C01 | B.E. Civil Engineering |
| 312 | Introduction to Mechanics and Electromagnetic Theory | 18PY C03 | B.E. Civil Engineering |

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-500075

## List of New Courses introduced for the AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme |
|---|---|---|---|
| 313 | Programming for Problem Solving | 18CS C01 | B.E. Civil Engineering |
| 314 | English | 18EG C01 | B.E. Civil Engineering |
| 315 | Mechanics and Electromagnetic Lab | 18PY C06 | B.E. Civil Engineering |
| 316 | Programming for Problem Solving Lab | 18CS C02 | B.E. Civil Engineering |
| 317 | Workshop/Manufacturing Practice | 18ME C02 | B.E. Civil Engineering |
| 318 | English Lab | 18EG C02 | B.E. Civil Engineering |
| 319 | Mathematics-II | 18MT C03 | B.E. Civil Engineering |
| 320 | Chemistry | 18CY C01 | B.E. Civil Engineering |
| 321 | Engineering Mechanics | 18CE C01 | B.E. Civil Engineering |
| 322 | Engineering Graphics and Design | 18ME C01 | B.E. Civil Engineering |
| 323 | Basic Electrical Engineering | 18EE C01 | B.E. Civil Engineering |
| 324 | Basic Electrical Engineering Lab | 18EE C02 | B.E. Civil Engineering |
| 325 | Chemistry Lab | 18CY C02 | B.E. Civil Engineering |