



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(Autonomous)

Kokapet (Village), Gandipet, Hyderabad, Telangana – 500075

www.cbit.ac.in

1.1.3.1 List of courses having focus on employability/ entrepreneurship/ skill development year wise during the last five years.

| S.No. | Academic Year | Number of Courses having focus on employability/ entrepreneurship/ skill development year wise during the last five years. |
|-------|---------------|----------------------------------------------------------------------------------------------------------------------------|
| 1 | 2021-22 | 1196 |
| 2 | 2020-21 | 1106 |
| 3 | 2019-20 | 983 |
| 4 | 2018-19 | 922 |
| 5 | 2017-18 | 984 |

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

List of courses having focus on employability/ entrepreneurship / skill development offered by the institution:AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|------------------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 1 | Mathematics -I | 18MTC01 | B.E. Mechanical Engineering | Employability |
| 2 | Introduction To Mechanics And Electromagnetic Theory | 18PYC03 | B.E. Mechanical Engineering | Employability |
| 3 | Programming for Problem Solving | 18CSC01 | B.E. Mechanical Engineering | Employability |
| 4 | English | 18EGC01 | B.E. Mechanical Engineering | Skill development |
| 5 | Mechanics And Electromagnetic Lab | 18PYC06 | B.E. Mechanical Engineering | Skill development |
| 6 | Programming for Problem Solving Lab | 18CSC02 | B.E. Mechanical Engineering | Skill development |
| 7 | Workshop/Manufacturing Practice | 18MEC02 | B.E. Mechanical Engineering | Skill development |
| 8 | English Lab | 18EGC02 | B.E. Mechanical Engineering | Skill development |
| 9 | Mathematics -II | 18MTC03 | B.E. Mechanical Engineering | Employability |
| 10 | Chemistry | 18CYC01 | B.E. Mechanical Engineering | Employability |
| 11 | Engineering Mechanics | 18CEC01 | B.E. Mechanical Engineering | Employability |
| 12 | Engineering Graphics and Design | 18MEC01 | B.E. Mechanical Engineering | Employability |
| 13 | Basic Electrical Engineering | 18EEC01 | B.E. Mechanical Engineering | Employability |
| 14 | Basic Electrical Engineering Lab | 18EEC02 | B.E. Mechanical Engineering | Skill development |
| 15 | Chemistry Lab | 18CYC02 | B.E. Mechanical Engineering | Skill development |
| 16 | Engineering Mathematics-III | 16MT C05 | B.E. Mechanical Engineering | Employability |
| 17 | Material Science and Metallurgy | 16ME C04 | B.E. Mechanical Engineering | Employability |
| 18 | Mechanics of Materials | 16ME C05 | B.E. Mechanical Engineering | Employability |
| 19 | Fluid Dynamics | 16ME C06 | B.E. Mechanical Engineering | Employability |
| 20 | Machine Drawing | 16ME C07 | B.E. Mechanical Engineering | Employability |
| 21 | Engineering Economics and Accountancy | 16MB C01 | B.E. Mechanical Engineering | Entrepreneurship |
| 22 | Material Science and Metallurgy Lab | 16ME C08 | B.E. Mechanical Engineering | Skill development |
| 23 | Mechanics of Materials Lab | 16ME C09 | B.E. Mechanical Engineering | Skill development |
| 24 | Computer Drafting Lab | 16ME C10 | B.E. Mechanical Engineering | Skill development |
| 25 | Kinematics of Machines | 16ME C14 | B.E. Mechanical Engineering | Employability |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 26 | Thermodynamics | 16ME C15 | B.E. Mechanical Engineering | Employability |
| 27 | Hydraulic Machinery and Systems | 16ME C16 | B.E. Mechanical Engineering | Employability |
| 28 | Manufacturing Processes | 16ME C17 | B.E. Mechanical Engineering | Employability |
| 29 | Electrical Machines and Microcontroller Applications | 16EE C14 | B.E. Mechanical Engineering | Employability |
| 30 | Hydraulic Machinery and Systems Lab | 16ME C18 | B.E. Mechanical Engineering | Skill development |
| 31 | Manufacturing Processes Lab | 16ME C19 | B.E. Mechanical Engineering | Skill development |
| 32 | Soft Skills and Employability Enhancement Lab | 16EG C03 | B.E. Mechanical Engineering | Skill development |
| 33 | Dynamics of Machines | 16ME C20 | B.E. Mechanical Engineering | Employability |
| 34 | Applied Thermodynamics & Heat Transfer | 16ME C21 | B.E. Mechanical Engineering | Employability |
| 35 | Design of Machine Elements | 16ME C22 | B.E. Mechanical Engineering | Employability |
| 36 | Refrigeration and Air Conditioning | 16ME E01 | B.E. Mechanical Engineering | Employability |
| 37 | Mechanical Vibrations | 16ME E02 | B.E. Mechanical Engineering | Employability |
| 38 | Product Design and Process Planning | 16PE E02 | B.E. Mechanical Engineering | Employability |
| 39 | Principles of Industrial Engineering | 16PE E05 | B.E. Mechanical Engineering | Employability |
| 40 | Fuels, Combustion and Environment | 16ME E03 | B.E. Mechanical Engineering | Employability |
| 41 | Non Destructive Testing and Evaluation | 16PE E03 | B.E. Mechanical Engineering | Employability |
| 42 | Plastics, Ceramics and Composite Materials | 16PE E04 | B.E. Mechanical Engineering | Employability |
| 43 | Probability and Numerical Methods | 16MT E04 | B.E. Mechanical Engineering | Employability |
| 44 | Dynamics & Vibrations Lab | 16ME C23 | B.E. Mechanical Engineering | Skill development |
| 45 | Applied Thermodynamics & Heat Transfer Lab | 16ME C24 | B.E. Mechanical Engineering | Skill development |
| 46 | Electrical Machines & Microcontroller Applications Lab | 16EE C22 | B.E. Mechanical Engineering | Skill development |
| 47 | Industrial Visit | 16ME C25 | B.E. Mechanical Engineering | Skill development |
| 48 | CAD and CAM | 16ME C26 | B.E. Mechanical Engineering | Employability |
| 49 | Metal Cutting and Machine Tool Engineering | 16ME C27 | B.E. Mechanical Engineering | Employability |
| 50 | Thermal Turbo Machines | 16ME C28 | B.E. Mechanical Engineering | Employability |



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List of courses having focus on employability/ entrepreneurship / skill development offered by the Institution:AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|------------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 51 | Machine Design | 16ME C29 | B.E. Mechanical Engineering | Employability |
| 52 | Advanced IC Engines | 16ME E05 | B.E. Mechanical Engineering | Employability |
| 53 | Computational Fluid Dynamics | 16ME E06 | B.E. Mechanical Engineering | Employability |
| 54 | Automobile Engineering | 16ME E07 | B.E. Mechanical Engineering | Employability |
| 55 | Digital Manufacturing | 16PE E10 | B.E. Mechanical Engineering | Employability |
| 56 | Heat and Mass Transfer | 16ME E08 | B.E. Mechanical Engineering | Employability |
| 57 | Object Oriented Programming With C++ | 16ME E09 | B.E. Mechanical Engineering | Employability |
| 58 | Modern Machining and Forming Methods | 16PE E08 | B.E. Mechanical Engineering | Employability |
| 59 | Surface Engineering | 16PE E09 | B.E. Mechanical Engineering | Employability |
| 60 | CAD and CAM Lab | 16ME C30 | B.E. Mechanical Engineering | Skill development |
| 61 | Metal Cutting and Machine Tool Engineering Lab | 16ME C31 | B.E. Mechanical Engineering | Skill development |
| 62 | Thermal Engineering Lab | 16ME C32 | B.E. Mechanical Engineering | Skill development |
| 63 | Thermal Turbo Machines | ME 411 | B.E. Mechanical Engineering | Skill development |
| 64 | Metrology and Instrumentation | ME 412 | B.E. Mechanical Engineering | Employability |
| 65 | Finite Element Analysis | ME 413 | B.E. Mechanical Engineering | Employability |
| 66 | Operations Research | ME 414 | B.E. Mechanical Engineering | Employability |
| 67 | Renewable Energy Sources | ME 461 | B.E. Mechanical Engineering | Employability |
| 68 | Computational Fluid Dynamics | ME 462 | B.E. Mechanical Engineering | Employability |
| 69 | Automobile Engineering | ME 463 | B.E. Mechanical Engineering | Employability |
| 70 | Entrepreneurship | ME 464 | B.E. Mechanical Engineering | Entrepreneuership |
| 71 | Robotics | PE 461 | B.E. Mechanical Engineering | Employability |
| 72 | Disaster Mitigation and Management | CE 461 | B.E. Mechanical Engineering | Employability |
| 73 | Thermal Engineering Lab | ME 415 | B.E. Mechanical Engineering | Employability |
| 74 | Metrology and Instrumentation Lab | ME 416 | B.E. Mechanical Engineering | Employability |
| 75 | Computer Aided Engineering Lab | ME 417 | B.E. Mechanical Engineering | Employability |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|------------------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 76 | Project Seminar | ME 418 | B.E. Mechanical Engineering | Skill development |
| 77 | Industrial Administration and Financial Management | ME 419 | B.E. Mechanical Engineering | Entrepreneurship |
| 78 | Production and Operations Management | ME 421 | B.E. Mechanical Engineering | Employability |
| 79 | Production Drawing | ME 422 | B.E. Mechanical Engineering | Employability |
| 80 | Power Plant Engineering | ME 471 | B.E. Mechanical Engineering | Employability |
| 81 | Intellectual Property Rights | ME 472 | B.E. Mechanical Engineering | Employability |
| 82 | Mechatronics | ME 473 | B.E. Mechanical Engineering | Employability |
| 83 | Mechanics of Composite Materials | ME 474 | B.E. Mechanical Engineering | Employability |
| 84 | Supply Chain Management | ME 475 | B.E. Mechanical Engineering | Employability |
| 85 | Manufacturing Systems and Simulation | PE 471 | B.E. Mechanical Engineering | Employability |
| 86 | Modern Machining and Forming Methods | PE 412 | B.E. Mechanical Engineering | Employability |
| 87 | Micro Manufacturing | PE 481 | B.E. Mechanical Engineering | Employability |
| 88 | Non - Destructive Testing and Evaluation | PE 482 | B.E. Mechanical Engineering | Employability |
| 89 | Product Design and Process Planning | PE 483 | B.E. Mechanical Engineering | Employability |
| 90 | Nano Materials and Technology | PE 484 | B.E. Mechanical Engineering | Employability |
| 91 | Information Security | CSE 481 | B.E. Mechanical Engineering | Employability |
| 92 | Seminar | ME 423 | B.E. Mechanical Engineering | Skill development |
| 93 | Project | ME 901 | B.E. Mechanical Engineering | Skill development |
| 94 | Mathematics -I | 18MTC01 | B.E. Production Engineering | Employability |
| 95 | Introduction To Mechanics And Electromagnetic Theory | 18PYC03 | B.E. Production Engineering | Employability |
| 96 | Programming for Problem Solving | 18CSC01 | B.E. Production Engineering | Employability |
| 97 | English | 18EGC01 | B.E. Production Engineering | Skill development |
| 98 | Mechanics And Electromagnetic Lab | 18PYC06 | B.E. Production Engineering | Skill development |
| 99 | Programming for Problem Solving Lab | 18CSC02 | B.E. Production Engineering | Skill development |
| 100 | Workshop/Manufacturing Practice | 18MEC02 | B.E. Production Engineering | Skill development |



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|------|------------------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 101 | English Lab | 18EGC02 | B.E. Production Engineering | Skill development |
| 102 | Mathematics -II | 18MTC03 | B.E. Production Engineering | Employability |
| 103 | Chemistry | 18CYC01 | B.E. Production Engineering | Employability |
| 104 | Engineering Mechanics | 18CEC01 | B.E. Production Engineering | Employability |
| 105 | Engineering Graphics and Design | 18MEC01 | B.E. Production Engineering | Employability |
| 106 | Basic Electrical Engineering | 18EEC01 | B.E. Production Engineering | Employability |
| 107 | Basic Electrical Engineering Lab | 18EEC02 | B.E. Production Engineering | Skill development |
| 108 | Chemistry Lab | 18CYC02 | B.E. Production Engineering | Skill development |
| 109 | Engineering Mathematics-III | 16MT C05 | B.E. Production Engineering | Employability |
| 110 | Material Science and Metallurgy | 16ME C04 | B.E. Production Engineering | Employability |
| 111 | Mechanics of Materials | 16ME C05 | B.E. Production Engineering | Employability |
| 112 | Fluid Dynamics | 16ME C06 | B.E. Production Engineering | Employability |
| 113 | Machine Drawing | 16ME C07 | B.E. Production Engineering | Employability |
| 114 | Engineering Economics and Accountancy | 16MB C01 | B.E. Production Engineering | Employability |
| 115 | Material Science and Metallurgy Lab | 16ME C08 | B.E. Production Engineering | Skill development |
| 116 | Mechanics of Materials Lab | 16ME C09 | B.E. Production Engineering | Skill development |
| 117 | Computer Drafting Lab | 16ME C10 | B.E. Production Engineering | Skill development |
| 118 | Kinematics of Machines | 16ME C14 | B.E. Production Engineering | Employability |
| 119 | Thermodynamics | 16ME C15 | B.E. Production Engineering | Employability |
| 120 | Metal Casting and Welding | 16PE C01 | B.E. Production Engineering | Employability |
| 121 | Metal Forming Technology | 16PE C02 | B.E. Production Engineering | Employability |
| 122 | Electrical Machines and Microcontroller Applications | 16EE C14 | B.E. Production Engineering | Employability |
| 123 | Metal Casting and Welding Lab | 16PE C03 | B.E. Production Engineering | Skill development |
| 124 | Metal Forming Technology Lab | 16PE C04 | B.E. Production Engineering | Skill development |
| 125 | Soft Skills and Employability Enhancement Lab | 16EG C03 | B.E. Production Engineering | Skill development |

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|------|--------------------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 126 | Dynamics of Machines | 16ME C20 | B.E. Production Engineering | Employability |
| 127 | Applied Thermodynamics & Heat Transfer | 16ME C21 | B.E. Production Engineering | Employability |
| 128 | Design of Machine Elements | 16ME C22 | B.E. Production Engineering | Employability |
| 129 | Refrigeration and Air Conditioning | 16ME E01 | B.E. Production Engineering | Employability |
| 130 | Mechanical Vibrations | 16ME E02 | B.E. Production Engineering | Employability |
| 131 | Product Design and Process Planning | 16PE E02 | B.E. Production Engineering | Employability |
| 132 | Powder Processing | 16PE E01 | B.E. Production Engineering | Employability |
| 133 | Hydraulic Machines | 16ME E04 | B.E. Production Engineering | Employability |
| 134 | Non Destructive Testing and Evaluation | 16PE E03 | B.E. Production Engineering | Employability |
| 135 | Plastics, Ceramics and Composite Materials | 16PE E04 | B.E. Production Engineering | Employability |
| 136 | Probability and Numerical Methods | 16MT E04 | B.E. Production Engineering | Employability |
| 137 | Dynamics & Vibrations Lab | 16ME C23 | B.E. Production Engineering | Skill development |
| 138 | Applied Thermodynamics & Heat Transfer Lab | 16ME C24 | B.E. Production Engineering | Skill development |
| 139 | Electrical Machines & Microcontroller Applications Lab | 16EE C22 | B.E. Production Engineering | Skill development |
| 140 | Industrial Visit | 16PE C05 | B.E. Production Engineering | Skill development |
| 141 | CAD and CAM | 16ME C26 | B.E. Production Engineering | Employability |
| 142 | Machine Tool Engineering | 16PE C06 | B.E. Production Engineering | Employability |
| 143 | Additive Manufacturing | 16PE C07 | B.E. Production Engineering | Employability |
| 144 | Machine Design | 16ME C29 | B.E. Production Engineering | Employability |
| 145 | Work System Design | 16PE E06 | B.E. Production Engineering | Employability |
| 146 | Computational Fluid Dynamics | 16ME E06 | B.E. Production Engineering | Employability |
| 147 | Automobile Engineering | 16ME E07 | B.E. Production Engineering | Employability |
| 148 | Quality and Reliability Engineering | 16PE E07 | B.E. Production Engineering | Employability |
| 149 | Turbo Machines | 16ME E10 | B.E. Production Engineering | Employability |
| 150 | Object Oriented Programming With C++ | 16ME E09 | B.E. Production Engineering | Employability |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|---------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 151 | Modern Machining and Forming Methods | 16PE E08 | B.E. Production Engineering | Employability |
| 152 | Surface Engineering | 16PE E09 | B.E. Production Engineering | Employability |
| 153 | CAD and CAM Lab | 16ME C30 | B.E. Production Engineering | Skill development |
| 154 | Machine Tool Engineering Lab | 16PE C08 | B.E. Production Engineering | Skill development |
| 155 | Additive Manufacturing Lab | 16PE C09 | B.E. Production Engineering | Skill development |
| 156 | Production Drawing Practice | PE 411 | B.E. Production Engineering | Employability |
| 157 | Metrology & Instrumentation | ME 412 | B.E. Production Engineering | Employability |
| 158 | Operations Research | ME 414 | B.E. Production Engineering | Employability |
| 159 | Modern Machining & Forming Methods | PE 412 | B.E. Production Engineering | Employability |
| 160 | Robotics | PE 461 | B.E. Production Engineering | Employability |
| 161 | Renewable Energy Sources | ME 461 | B.E. Production Engineering | Employability |
| 162 | Computations Fluid Flows | ME 462 | B.E. Production Engineering | Employability |
| 163 | Automobile Engineering | ME 463 | B.E. Production Engineering | Employability |
| 164 | Entrepreneurship | ME 464 | B.E. Production Engineering | entrepreneurship |
| 165 | Disaster Mitigation & Management | CE 461 | B.E. Production Engineering | Employability |
| 166 | Computer Aided Production Drawing Lab | PE 413 | B.E. Production Engineering | Skill development |
| 167 | Metrology & Instrumentation Lab | ME 416 | B.E. Production Engineering | Skill development |
| 168 | Manufacturing Engg. Lab | PE 414 | B.E. Production Engineering | Skill development |
| 169 | Creative & Innovative Project | PE 415 | B.E. Production Engineering | Skill development |
| 170 | Production And Operations Management | ME 421 | B.E. Production Engineering | Employability |
| 171 | Tool Design | PE 421 | B.E. Production Engineering | Employability |
| 172 | Power Plant Engineering | ME 471 | B.E. Production Engineering | Employability |
| 173 | Intellectual Property Rights | ME 472 | B.E. Production Engineering | entrepreneurship |
| 174 | Mechatronics | ME 473 | B.E. Production Engineering | Employability |
| 175 | Mechanics of Composite Materials | ME 474 | B.E. Production Engineering | Employability |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|----------------------------------------------|-------------|-----------------------------|--------------------------------------------------------------------------------------|
| 176 | Supply chain Management | ME 475 | B.E. Production Engineering | Employability |
| 177 | Manufacturing Systems & Simulation | PE 471 | B.E. Production Engineering | Employability |
| 178 | Micro Manufacturing | PE 481 | B.E. Production Engineering | Employability |
| 179 | Non Destructive Testing & Evaluation | PE 482 | B.E. Production Engineering | Employability |
| 180 | Product Design & Process Planning | PE 483 | B.E. Production Engineering | Employability |
| 181 | Nano Materials & Technology | PE 484 | B.E. Production Engineering | Employability |
| 182 | Total Quality Management | PE 485 | B.E. Production Engineering | Employability |
| 183 | Information Security | CSE 481 | B.E. Production Engineering | Employability |
| 184 | Seminar | PE 422 | B.E. Production Engineering | Skill development |
| 185 | Project | PE 423 | B.E. Production Engineering | Skill development |
| 186 | Automation | 16MEC101 | M.E. CAD-CAM | Employability |
| 187 | Computer Aided Modeling and Design | 16MEC102 | M.E. CAD-CAM | Employability |
| 188 | Computer Integrated Manufacturing | 16MEC103 | M.E. CAD-CAM | Employability |
| 189 | Failure Analysis and Design | 16MEE101 | M.E. CAD-CAM | Employability |
| 190 | Engineering Research Methodology | 16MEE107 | M.E. CAD-CAM | Entrepreneurship |
| 191 | Theory of Elasticity and Plasticity | 16MEE111 | M.E. CAD-CAM | Employability |
| 192 | Integrated Mechanical Design | 16MEE102 | M.E. CAD-CAM | Employability |
| 193 | Robotic Engineering | 16MEE103 | M.E. CAD-CAM | Employability |
| 194 | Programming Methodology and Data Structures | 16MEE104 | M.E. CAD-CAM | Employability |
| 195 | Optimization Techniques | 16MEE105 | M.E. CAD-CAM | Employability |
| 196 | Vibrations Analysis and Condition Monitoring | 16MEE106 | M.E. CAD-CAM | Employability |
| 197 | Tribology In Design | 16MEE108 | M.E. CAD-CAM | Employability |
| 198 | Advanced Mechanics of Materials | 16MEE109 | M.E. CAD-CAM | Employability |
| 199 | CAD/CAM Lab (Lab -I) | 16MEC106 | M.E. CAD-CAM | Skill development |
| 200 | Seminar - I | 16MEC108 | M.E. CAD-CAM | Skill development |

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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|---------------------------------------------------------|-------------|--------------------------|--------------------------------------------------------------------------------------|
| 201 | Soft Skills Lab | 16EG C104 | M.E. CAD-CAM | Skill development |
| 202 | Computer Aided Mechanical Design and Analysis | 16MEC104 | M.E. CAD-CAM | Employability |
| 203 | Finite Element Techniques | 16MEC105 | M.E. CAD-CAM | Employability |
| 204 | Computational Fluid Dynamics | 16MEC205 | M.E. CAD-CAM | Employability |
| 205 | Mechanics of Composite Materials | 16MEE110 | M.E. CAD-CAM | Employability |
| 206 | Product Design and Process Planning (PDPP) - (Elective) | 16MEE 121 | M.E. CAD-CAM | Employability |
| 207 | Experimental Techniques and Data Analysis | 16MEE112 | M.E. CAD-CAM | Employability |
| 208 | Design for Manufacture | 16MEE113 | M.E. CAD-CAM | Employability |
| 209 | Data Base Management Systems | 16MEE114 | M.E. CAD-CAM | Employability |
| 210 | Fracture Mechanics | 16MEE115 | M.E. CAD-CAM | Employability |
| 211 | Design of Press Tools | 16MEE116 | M.E. CAD-CAM | Employability |
| 212 | Design of Dies | 16MEE117 | M.E. CAD-CAM | Employability |
| 213 | Rapid Prototyping Principles & Applications | 16MEE118 | M.E. CAD-CAM | Employability |
| 214 | Flexible Manufacturing Systems | 16MEE119 | M.E. CAD-CAM | Employability |
| 215 | Non-Traditional Machining & Forming | 16MEE120 | M.E. CAD-CAM | Employability |
| 216 | Computation Lab (Lab –II) | 16MEC107 | M.E. CAD-CAM | Skill development |
| 217 | Seminar – II | 16MEC109 | M.E. CAD-CAM | Skill development |
| 218 | Mini Project | 16MEC110 | M.E. CAD-CAM | Skill development |
| 219 | Project Seminar | 16MEC111 | M.E. CAD-CAM | Skill development |
| 220 | Project work | 16MEC112 | M.E. CAD-CAM | Skill development |
| 221 | Advanced Thermodynamics | 16MEC 202 | M.E. Thermal Engineering | Employability |
| 222 | Advanced Heat & Mass Transfer | 16MEC 203 | M.E. Thermal Engineering | Employability |
| 223 | Advanced I.C. engines | 16MEC 204 | M.E. Thermal Engineering | Employability |
| 224 | Thermal & Nuclear Power Plants | 16MEE 215 | M.E. Thermal Engineering | Employability |
| 225 | Computer Aided Graphics and Design | 16MEE201 | M.E. Thermal Engineering | Employability |



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|------|-----------------------------------------|-------------|--------------------------|--------------------------------------------------------------------------------------|
| 226 | Engineering Research Methodology | 16MEE107 | M.E. Thermal Engineering | Entrepreneurship |
| 227 | Design of Gas Turbines | 16MEE 205 | M.E. Thermal Engineering | Employability |
| 228 | Advanced Energy Systems | 16MEE 206 | M.E. Thermal Engineering | Employability |
| 229 | Fuels and Combustion | 16MEE 207 | M.E. Thermal Engineering | Employability |
| 230 | Power Plant Control and Instrumentation | 16MEE 208 | M.E. Thermal Engineering | Employability |
| 231 | Design of Pumps and Compressors | 16MEE 209 | M.E. Thermal Engineering | Employability |
| 232 | Numerical Methods | 16MEE 210 | M.E. Thermal Engineering | Employability |
| 233 | Thermal Systems Laboratory (Lab – I) | 16MEC 206 | M.E. Thermal Engineering | Skill development |
| 234 | Seminar – I | 16MEC 208 | M.E. Thermal Engineering | Skill development |
| 235 | Soft Skills Lab | 16EG C104 | M.E. Thermal Engineering | Skill development |
| 236 | Finite Element Techniques | 16MEC 105 | M.E. Thermal Engineering | Employability |
| 237 | Fluid Flow and Gas Dynamics | 16MEC 201 | M.E. Thermal Engineering | Employability |
| 238 | Computational Fluid Dynamics | 16MEC 205 | M.E. Thermal Engineering | Employability |
| 239 | Optimization Techniques | 16MEE 105 | M.E. Thermal Engineering | Employability |
| 240 | Turbo Machines | 16ME E 202 | M.E. Thermal Engineering | Employability |
| 241 | Fuels and Combustion | 16MEE 207 | M.E. Thermal Engineering | Employability |
| 242 | Fluid Power Systems | 16MEE203 | M.E. Thermal Engineering | Employability |
| 243 | Environmental Engineering and Pollution | 16MEE 211 | M.E. Thermal Engineering | Employability |
| 244 | Refrigeration Machinery & Components | 16MEE 212 | M.E. Thermal Engineering | Employability |
| 245 | Energy Management | 16MEE 213 | M.E. Thermal Engineering | Employability |
| 246 | Convective Heat Transfer | 16MEE 214 | M.E. Thermal Engineering | Employability |
| 247 | CFD Lab (Lab – II) | 16MEC 207 | M.E. Thermal Engineering | Skill development |
| 248 | Seminar-II | 16MEC 209 | M.E. Thermal Engineering | Skill development |
| 249 | Mini Project | 16MEC 210 | M.E. Thermal Engineering | Skill development |
| 250 | Project Seminar | 16MEC 211 | M.E. Thermal Engineering | Skill development |



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|------|-----------------------------------------------|-------------|--------------------------|--------------------------------------------------------------------------------------|
| 251 | Project work | 16MEC 212 | M.E. Thermal Engineering | Skill development |
| 252 | Engg. Mathematics -I | 18MT C02 | B.Tech.- Biotechnology | Skill development |
| 253 | Biology-I | 18BTC01 | B.Tech.- Biotechnology | Skill development |
| 254 | Programming for Problem Solving | 18CS C01 | B.Tech.- Biotechnology | Skill development |
| 255 | English | 18EG C01 | B.Tech.- Biotechnology | Skill development |
| 256 | Programming for Problem Solving Lab | 18CS C02 | B.Tech.- Biotechnology | Skill development |
| 257 | Workshop/ Manufacturing Practice | 18ME C02 | B.Tech.- Biotechnology | Skill development |
| 258 | English Lab | 18EG C02 | B.Tech.- Biotechnology | Skill development |
| 259 | Engg.Mathematics -II | 18MT C04 | B.Tech.- Biotechnology | Skill development |
| 260 | Basics of Biology-II | 18BT C02 | B.Tech.- Biotechnology | Skill development |
| 261 | Engineering Mechanics | 18CE C01 | B.Tech.- Biotechnology | Skill development |
| 262 | Engineering Graphics and Design | 18ME C01 | B.Tech.- Biotechnology | Skill development |
| 263 | Basic Electrical Engineering | 18EE C01 | B.Tech.- Biotechnology | Skill development |
| 264 | Basic Electrical Engineering Lab | 18EE C02 | B.Tech.- Biotechnology | Skill development |
| 265 | Mathematics -III | 16MT C06 | B.Tech.- Biotechnology | Skill development |
| 266 | Process Principles and Reaction Engineering | 16BT C05 | B.Tech.- Biotechnology | Skill development |
| 267 | Biochemistry | 16BT C06 | B.Tech.- Biotechnology | Skill development |
| 268 | Cell Biology | 16BT C07 | B.Tech.- Biotechnology | Skill development |
| 269 | Microbiology | 16BT C08 | B.Tech.- Biotechnology | Skill development |
| 270 | Genetics | 16BT C09 | B.Tech.- Biotechnology | Skill development |
| 271 | Biochemistry Lab | 16BT C10 | B.Tech.- Biotechnology | Skill development |
| 272 | Microbiology Lab | 16BT C11 | B.Tech.- Biotechnology | Skill development |
| 273 | Soft Skills and Employability Enhancement Lab | 16EG C03 | B.Tech.- Biotechnology | Employability |
| 274 | Chemical and Biochemical Thermodynamics | 16BT C12 | B.Tech.- Biotechnology | Skill development |
| 275 | Molecular Biology | 16BT C13 | B.Tech.- Biotechnology | Skill development |



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

List of courses having focus on employability/ entrepreneurship / skill development offered by the institution: AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-------------------------------------------|-------------|------------------------|--------------------------------------------------------------------------------------|
| 276 | Immunology | 16BT C14 | B.Tech.- Biotechnology | Skill development |
| 277 | Instrumental Methods in Biotechnology | 16BT C15 | B.Tech.- Biotechnology | Skill development |
| 278 | Industrial Biotechnology | 16BT C16 | B.Tech.- Biotechnology | Skill development |
| 279 | Engineering Economics and Accountancy | 16MB C01 | B.Tech.- Biotechnology | Employability |
| 280 | Immunology Lab | 16BT C17 | B.Tech.- Biotechnology | Skill development |
| 281 | Instrumental Methods in Biotechnology Lab | 16BT C18 | B.Tech.- Biotechnology | Skill development |
| 282 | Biostatistics | 16MT C08 | B.Tech.- Biotechnology | Employability |
| 283 | Fluid Mechanics and Heat Transfer | 16BT C19 | B.Tech.- Biotechnology | Skill development |
| 284 | Protein Engineering and Enzyme Technology | 16BT C20 | B.Tech.- Biotechnology | Skill development |
| 285 | Genetic Engineering and rDNA Technology | 16BT C21 | B.Tech.- Biotechnology | Skill development |
| 286 | Environmental Biotechnology | 16BT E22 | B.Tech.- Biotechnology | Skill development |
| 287 | Food Biotechnology | 16BT E23 | B.Tech.- Biotechnology | Skill development |
| 288 | Computational Numerical Methods | 16MT E02 | B.Tech.- Biotechnology | Skill development |
| 289 | Python for Bioinformatics | 18CS E02 | B.Tech.- Biotechnology | Skill development |
| 290 | Virology | 16BT E24 | B.Tech.- Biotechnology | Skill development |
| 291 | Metabolic Engineering | 16BT E25 | B.Tech.- Biotechnology | Skill development |
| 292 | Fluid Mechanics and Heat Transfer Lab | 16BT C26 | B.Tech.- Biotechnology | Skill development |
| 293 | Enzyme Technology Lab | 16BT C27 | B.Tech.- Biotechnology | Skill development |
| 294 | Genetic Engineering Lab | 16BT C28 | B.Tech.- Biotechnology | Skill development |
| 295 | Fermentation Technology | 16BT C29 | B.Tech.- Biotechnology | Skill development |
| 296 | Mass Transfer Operations | 16BT C30 | B.Tech.- Biotechnology | Skill development |
| 297 | Bioinformatics | 16BT C31 | B.Tech.- Biotechnology | Skill development |
| 298 | JAVA Programming and Bio-Java | 18CS E02 | B.Tech.- Biotechnology | Employability |
| 299 | Medical Biotechnology | 16BT E32 | B.Tech.- Biotechnology | Skill development |
| 300 | Phyto Chemicals and Herbal Products | 16BT E33 | B.Tech.- Biotechnology | Skill development |



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List of courses having focus on employability/ entrepreneurship / skill development offered by the institution:AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-----------------------------------------------------------------|-------------|------------------------|--------------------------------------------------------------------------------------|
| 301 | Developmental Biology | 16BT E34 | B.Tech.- Biotechnology | Skill development |
| 302 | Pharmaceutical Biotechnology | 16BT E35 | B.Tech.- Biotechnology | Skill development |
| 303 | Bioprocess Economics & Plant Design | 16BT E36 | B.Tech.- Biotechnology | Skill development |
| 304 | Bioprocess Lab | 16BT C37 | B.Tech.- Biotechnology | Skill development |
| 305 | Mass Transfer Operations Lab | 16BT C38 | B.Tech.- Biotechnology | Skill development |
| 306 | Bioinformatics Lab | 16BT C39 | B.Tech.- Biotechnology | Skill development |
| 307 | Mini Project | 16BT C40 | B.Tech.- Biotechnology | Skill development |
| 308 | Downstream Processing | BT 411 | B.Tech.- Biotechnology | Skill development |
| 309 | Bioprocess Dynamics and Control | BT 412 | B.Tech.- Biotechnology | Skill development |
| 310 | Plant Biotechnology | BT 413 | B.Tech.- Biotechnology | Skill development |
| 311 | Animal Biotechnology | BT 414 | B.Tech.- Biotechnology | Skill development |
| 312 | Principles and Practice of Management | MB 216 | B.Tech.- Biotechnology | Skill development |
| 313 | Developmental Biology | BT 461 | B.Tech.- Biotechnology | Skill development |
| 314 | Cancer Biology | BT 462 | B.Tech.- Biotechnology | Skill development |
| 315 | Genomics and Proteomics | BT 463 | B.Tech.- Biotechnology | Skill development |
| 316 | Pharmaceutical Biotechnology | BT 464 | B.Tech.- Biotechnology | Skill development |
| 317 | Downstream Processing Lab | BT 415 | B.Tech.- Biotechnology | Skill development |
| 318 | Tissue culture Lab | BT 416 | B.Tech.- Biotechnology | Skill development |
| 319 | Project Seminar | BT 417 | B.Tech.- Biotechnology | Skill development |
| 320 | Bioprocess Economics and Plant Design | BT 422 | B.Tech.- Biotechnology | Skill development |
| 321 | Molecular Modeling and Drug Design | BT 471 | B.Tech.- Biotechnology | Skill development |
| 322 | Immunodiagnosics | BT 472 | B.Tech.- Biotechnology | Skill development |
| 323 | Tissue Engineering | BT 473 | B.Tech.- Biotechnology | Skill development |
| 324 | Bioprocess Validations and Current good manufacturing Practices | BT 481 | B.Tech.- Biotechnology | Skill development |
| 325 | Food Biotechnology | BT 482 | B.Tech.- Biotechnology | Skill development |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|---------------------------------------------|-------------|---------------------------------|--------------------------------------------------------------------------------------------------------|
| 326 | Nanobiotechnology | BT 483 | B.Tech.- Biotechnology | Skill development |
| 327 | Entrepreneurship | ME 464 | B.Tech.- Biotechnology | Entrepreneurship skills |
| 328 | Seminar | BT 423 | B.Tech.- Biotechnology | Skill development |
| 329 | Project | BT 901 | B.Tech.- Biotechnology | Skill development |
| 330 | Discrete Mathematics | 16MCC101 | Master of Computer Applications | Skill Development-NPTEL Course |
| 331 | Computer Programming and Problem Solving | 16MCC102 | Master of Computer Applications | Skill Development-Writing Algorithms and programs for the real world problems |
| 332 | Elements Of Information Technology | 16MCC103 | Master of Computer Applications | Skill Development-Exposure of basic hardware and software components of computer system |
| 333 | Managerial Economics and Financial Analysis | 16MBC128 | Master of Computer Applications | Entrepreneurship-Seminar on Managerial economics and workshop on Tally accounting package |
| 334 | Professional Communication in English | 16EGC101 | Master of Computer Applications | Skill Development-JAM, Seminars, Group Discussions for students to improve there speaking skills |
| 335 | Computer Programming Lab Using C | 16MCC104 | Master of Computer Applications | Skill Development-Practical exposure of the real world problems |
| 336 | Elements of Information Technology Lab | 16MCC105 | Master of Computer Applications | Skill Development-Assembling of system and loading of software |
| 337 | Professional Communication Lab | 16EGC102 | Master of Computer Applications | Skill Development-phonetics Lab to improve there speaking skills |
| 338 | Object Oriented Programming(OOP) | 16MCC106 | Master of Computer Applications | Skill Development&Employability-Exposure of OOPs Concepts and finding solutions to real world problems |
| 339 | Computer Organization | 16MCC107 | Master of Computer Applications | Skill Development-Exposure of assembly and operation of CPU and Associated Chip sets |
| 340 | Software Engineering | 16MCC108 | Master of Computer Applications | Skill Development&Employability-Design of Software project models |
| 341 | Data Structures Using C++ | 16MCC109 | Master of Computer Applications | Skill Development-Problems solving of Algorithms |
| 342 | Operations Research | 16MCC110 | Master of Computer Applications | Skill Development-Solving problems related to Research |
| 343 | Probability and Statistics | 16MTC102 | Master of Computer Applications | Skill Development-Problem solving of real world problems |
| 344 | Object Oriented Programming Lab Using Java | 16MCC111 | Master of Computer Applications | Skill Development&Employability-Practical exposure of the real world problems |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|------------------------------------------|-------------|---------------------------------|--------------------------------------------------------------------------------------|
| 345 | Data Structures Lab Using C++ | 16MCC112 | Master of Computer Applications | Skill Development-practical Solutions for Algorithms |
| 346 | Database Management Systems | 16MCC113 | Master of Computer Applications | Skill Development&Employability-Design databases |
| 347 | Web Technologies | 16MCC114 | Master of Computer Applications | Skill Development&Employability-Application development |
| 348 | Design and Analysis of Algorithms | 16MCC115 | Master of Computer Applications | Skill Development-Design solutions for Real world problems |
| 349 | Operating Systems | 16MCC116 | Master of Computer Applications | Skill Development-Assignments |
| 350 | Database Management Systems Lab | 16MCC117 | Master of Computer Applications | Skill Development&Employability-Programs related to data base design |
| 351 | Web Technologies Lab | 16MCC118 | Master of Computer Applications | Skill Development&Employability-Application programs for the design of front end |
| 352 | Operating Systems Lab | 16MCC119 | Master of Computer Applications | Skill Development-Programs related to operating system |
| 353 | Organizational Behavior | 16MBC04 | Master of Computer Applications | Skill Development-Assignments |
| 354 | Disaster Mitigation and Management | 16CE E21 | Master of Computer Applications | Entrepreneurship-Guest Lectures on Disaster Mitigation and Management |
| 355 | Computer Networks | 16MCC120 | Master of Computer Applications | Skill Development-NPTEL Course |
| 356 | Data warehousing and Data Mining | 16MCC121 | Master of Computer Applications | Skill Development&Employability-Data Preprocessing , Clustering |
| 357 | Advanced Java Programming | 16MCC122 | Master of Computer Applications | Skill Development&Employability-Advanced Java Programming concepts |
| 358 | Computer Networks Lab | 16MCC123 | Master of Computer Applications | Skill Development-Network related programs |
| 359 | Data warehousing and Data Mining Lab | 16MCC124 | Master of Computer Applications | Skill Development&Employability-Implementation of Algorithms |
| 360 | Mini Projects | 16MCC125 | Master of Computer Applications | Employability-Application Development |
| 361 | Software Testing | 16MCE102 | Master of Computer Applications | Skill Development&Employability-Learning Testing Methods |
| 362 | Artificial Neural Networks | 16MCE103 | Master of Computer Applications | Skill Development-NPTEL Course |
| 363 | Cloud Computing | 16MCE106 | Master of Computer Applications | Skill Development-Workshop on Cloud Computing |
| 364 | Software Project Management | 16MCE107 | Master of Computer Applications | Skill Development&Employability-Assignments |
| 365 | Object Oriented System Development(OOSD) | 16MCC126 | Master of Computer Applications | Skill Development&Employability-Software Analysis and Design |
| 366 | Machine Learning | 16MCC127 | Master of Computer Applications | Skill Development&Employability-NPTEL Course |



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List of courses having focus on employability/ entrepreneurship / skill development offered by the institution:AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------------|-------------|---------------------------------------|--------------------------------------------------------------------------------------|
| 367 | Cryptography & Network Security | 16MCC128 | Master of Computer Applications | Skill Development&Employability-Design Secure system |
| 368 | Object Oriented System Development Lab | 16MCC129 | Master of Computer Applications | Skill Development&Employability-Software Analysis and Design using UML Tools |
| 369 | Machine Learning Lab using Python | 16MCC130 | Master of Computer Applications | Skill Development&Employability-Practical exposure of Machine Learning concepts |
| 370 | Seminar | 16MCC131 | Master of Computer Applications | Skill Development-Present ppts on Emerging Technologies |
| 371 | Internet of Things | 16MCE110 | Master of Computer Applications | Skill Development&Employability-Implement IOT devices |
| 372 | Business Intelligence and Analytics | 16MC E111 | Master of Computer Applications | Skill Development&Employability-NPTEL courses |
| 373 | Big Data Analytics | 16MC E113 | Master of Computer Applications | Skill Development&Employability-Assignments |
| 374 | E-Commerce | 16MC E114 | Master of Computer Applications | Skill Development&Employability-Exposure of E-Commerce transactions |
| 375 | MAJOR PROJECT WORK | 16MC C132 | Master of Computer Applications | Employability-Build a Project based on the specifications |
| 376 | Programming for problem solving | 18CS C01 | B.E.-Computer Science and Engineering | Employability-Online Objective Test on C Skills |
| 377 | Programming for Problem Solving Lab | 18CS C02 | B.E.-Computer Science and Engineering | Employability/Skill development-Coding Contest - Group Wise |
| 378 | Object-Oriented Programming | 18CS C03 | B.E.-Computer Science and Engineering | Employability-Handson -Session for Active Learning |
| 379 | Object-Oriented Programming Lab | 18CS C04 | B.E.-Computer Science and Engineering | Employability, Skill development-Quiz For Basic Courses |
| 380 | Data Structures | 16CSC03 | B.E.-Computer Science and Engineering | Employability-Design Thinking Activities |
| 381 | OOPS using java | 16CSC04 | B.E.-Computer Science and Engineering | Employability/Skill development-Handson - Session for Active Learning |
| 382 | Logic and Switching Theory | 16CSC05 | B.E.-Computer Science and Engineering | Employability-Course end projects |
| 383 | Discrete Structures | 16CSC06 | B.E.-Computer Science and Engineering | Employability-Problem Solving - Previous GATE Questions |
| 384 | Soft Skills Lab | 16EGC03 | B.E.-Computer Science and Engineering | Entrepreneurship/Skill development-Roleplay,Quiz,NPTEL Assignments |
| 385 | Data Structures Lab | 16CSC07 | B.E.-Computer Science and Engineering | Employability/Skill development-Show The Innovative Components |
| 386 | OOPS using java lab | 16CSC08 | B.E.-Computer Science and Engineering | Employability/Skill development-Quiz For Basic Courses |
| 387 | Mini Project-1 | 16CSC09 | B.E.-Computer Science and Engineering | Employability/Skill development-Implementing a Problem |
| 388 | Data Base Management Systems | 16CS C10 | B.E.-Computer Science and Engineering | Employability-Debugging , Decode the Queries |
| 389 | Web Technologies | 16CS C11 | B.E.-Computer Science and Engineering | Employability-Developing Simple Web Sites |
| 390 | Computer Architecture and Micro Processors | 16CS C12 | B.E.-Computer Science and Engineering | Employability-Poster Presentation - Group Learning Activity |
| 391 | Probability and Statistics Using R | 16CS C13 | B.E.-Computer Science and Engineering | Employability-Assignments |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|----------------------------------------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------|
| 392 | Data Base Management Systems Lab | 16CS C14 | B.E.-Computer Science and Engineering | Employability/Skill development-Debugging, Decode the Queries |
| 393 | Web Technologies Lab | 16CS C15 | B.E.-Computer Science and Engineering | Employability/Skill development-Website design |
| 394 | CA and MP Lab | 16CS C16 | B.E.-Computer Science and Engineering | Employability/Skill development-Poster Presentation - Group Learning Activity |
| 395 | Linux Programming and Scripting Languages | 16CS E01 | B.E.-Computer Science and Engineering | Employability/Skill development-Simulate system calls using C |
| 396 | Principle of Programming Languages | 16CS E03 | B.E.-Computer Science and Engineering | Employability, Skill development-Preparation of Comparison Charts |
| 397 | Design and Analysis of Algorithms | 16CSC17 | B.E.-Computer Science and Engineering | Employability-Exposure on different algorithms |
| 398 | Automata Languages and Computation | 16CSC18 | B.E.-Computer Science and Engineering | Employability-Problem Solving - Previous GATE Questions |
| 399 | Operating Systems | 16CSC19 | B.E.-Computer Science and Engineering | Employability-Vedio Lecture - NPTEL, Exposure to various Operating Systems |
| 400 | Data Communication and Computer Networks | 16CSC20 | B.E.-Computer Science and Engineering | Employability-network routing tables simulations |
| 401 | Software Engineering | 16CSC21 | B.E.-Computer Science and Engineering | Employability-Sent Studnets to collect Requirements |
| 402 | Mobile Application Development(E-II) | 16CSE04 | B.E.-Computer Science and Engineering | Employability/Skill development-Developing Apps |
| 403 | Computer Graphics(E-II) | 16CSE05 | B.E.-Computer Science and Engineering | Employability/Skill development-Tech Sparkz - Presentation on graphics tools |
| 404 | Operating Systems Lab | 16CSC22 | B.E.-Computer Science and Engineering | Employability/Skill development-Vedio Lecture - NPTEL, Exposure to various Operating Systems |
| 405 | Software Engineering Lab | 16CSC24 | B.E.-Computer Science and Engineering | Employability/Skill development-SRS document preparation, Identify Metrics |
| 406 | Data Communication and Computer Networks Lab | 16CSC23 | B.E.-Computer Science and Engineering | Employability/Skill development-networking commands explanatory sessions |
| 407 | Compiler Construction | 16CSC25 | B.E.-Computer Science and Engineering | Employability-Various phases of compilation |
| 408 | Artificial Intelligence | 16CSC26 | B.E.-Computer Science and Engineering | Employability-Insight Sessions on Expert Systems |
| 409 | Mobile Computing | 16CSC27 | B.E.-Computer Science and Engineering | Employability-Simulation of Network |
| 410 | Information and Network Security | 16CSC28 | B.E.-Computer Science and Engineering | Employability-IDS/Virus |
| 411 | Internet of Things | 16CSC29 | B.E.-Computer Science and Engineering | Employability-Assignments |
| 412 | Information and Network security Lab | 16CSC30 | B.E.-Computer Science and Engineering | Employability/Skill development-Simulation using NS-2 |
| 413 | Internet of Things Lab | 16CSC31 | B.E.-Computer Science and Engineering | Employability/Skill development-Lab Experiments conducted to enhance the practical knowledge |
| 414 | Mini Project-II | 16CSC32 | B.E.-Computer Science and Engineering | Employability/Skill development-Project Work Presentation |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------|-------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| 415 | Computer Vision | 16CSE07 | B.E.-Computer Science and Engineering | Employability-Image recognition tools |
| 416 | Soft Computing(F-I) | 16CSE08 | B.E.-Computer Science and Engineering | Skill development-Exposure of various neural networks and fuzzy logic |
| 417 | Data Mining | 16CSE09 | B.E.-Computer Science and Engineering | Skill development-Roleplay,Quiz,NPTEL Assignments |
| 418 | Artificial Intelligence | CS411 | B.E.-Computer Science and Engineering | Employability-Insight Sessions on Expert Systems |
| 419 | Distributed Computing | CS412 | B.E.-Computer Science and Engineering | Employability-QUIZ/Flipped Class |
| 420 | Data Mining | CS413 | B.E.-Computer Science and Engineering | Employability-Roleplay,Quiz,NPTEL Assignments |
| 421 | OOSD | CS414 | B.E.-Computer Science and Engineering | Employability-UML diagrams for Real time applications |
| 422 | Open Source Technologies | CS464 | B.E.-Computer Science and Engineering | Skill development-Course End Project |
| 423 | DM lab | CS415 | B.E.-Computer Science and Engineering | Employability/Skill development-Problem Solving - Previous GATE Questions |
| 424 | OOSD lab | CS416 | B.E.-Computer Science and Engineering | Employability/Skill development-UML diagrams for Real time applications |
| 425 | Project Seminar | CS417 | B.E.-Computer Science and Engineering | Employability/Skill development-Implementing a Problem |
| 426 | Information and Network Security | CS 421 | B.E.-Computer Science and Engineering | Employability-Simulation using NS-2 |
| 427 | Data Science and Big Data Analytics | CS 471 | B.E.-Computer Science and Engineering | Skill development-Team Programming Event |
| 428 | Cloud Computing | CS 472 | B.E.-Computer Science and Engineering | Skill development-Exposure to various Cloud platforms |
| 429 | Cyber Forensics | CS 474 | B.E.-Computer Science and Engineering | Skill development-Intrusion Detection System Algorithm design |
| 430 | Software Reuse Techniques | CS 476 | B.E.-Computer Science and Engineering | Skill development-Cost Estimation of Products |
| 431 | Information and Network Security Lab | CS 483 | B.E.-Computer Science and Engineering | Employability/Skill development-Simulation using NS-2 |
| 432 | SEMINARS | CS 422 | B.E.-Computer Science and Engineering | Employability/Skill development-Seminars and Group Discussions |
| 433 | PROJECTS | CS 423 | B.E.-Computer Science and Engineering | Employability/Skill development-Course end projects |
| 434 | Advanced Algorithms | 16CSC101 | M.Tech-Computer Science and Engineering | Employability-Conducting Micro Projects |
| 435 | Advanced Operating Systems | 16CSC102 | M.Tech-Computer Science and Engineering | Employability-Micro Project Work |
| 436 | Advanced Databases | 16CSC103 | M.Tech-Computer Science and Engineering | Employability-Critical Thinking |
| 437 | Elective 1 Data Mining | 16CSE11X | M.Tech-Computer Science and Engineering | Skill development-Role play / Quiz/ NPTEL Assignments |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-------------------------------------------------|-------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| 438 | Elective 2 Internet of Things | 16CSE12X | M.Tech-Computer Science and Engineering | Skill development-Assignments |
| 439 | Elective 3 Software Quality Assurance & Testing | 16CSE13X | M.Tech-Computer Science and Engineering | Skill development-Writing Test cases for real world applications |
| 440 | ADB Lab (Lab-I) | 16CSC104 | M.Tech-Computer Science and Engineering | Employability/Skill development-Critical Thinking |
| 441 | Seminar - I | 16CSC105 | M.Tech-Computer Science and Engineering | Employability/Skill development-Seminars and Group Discussions |
| 442 | Soft Skills Lab | 16EG104 | M.Tech-Computer Science and Engineering | Entrepreneurship/Skill development-Role play / Quiz/ NPTEL Assignments |
| 443 | Advance Network Technologies | 16CSC201 | M.Tech-Computer Science and Engineering | Employability-Developing Routing Algorithms, Error correction methods |
| 444 | Big Data Analytics | 16CSC202 | M.Tech-Computer Science and Engineering | Employability-Problem Solving Exercises through assignments |
| 445 | Advanced Software Engineering | 16CSC203 | M.Tech-Computer Science and Engineering | Employability-SRS document preparation, Identify Metrics |
| 446 | Cloud Computing Elective-4 | 16CSE251 | M.Tech-Computer Science and Engineering | Skill development-Exposure to various Cloud platforms |
| 447 | Image Processing Elective-5 | 16CSE243 | M.Tech-Computer Science and Engineering | Skill development-edge detection for finding objects |
| 448 | Streaming Technologies Elective-6 | 16CSE263 | M.Tech-Computer Science and Engineering | Skill development-Presentation of New Trends |
| 449 | Big Data Analytics Lab | 16CSC204 | M.Tech-Computer Science and Engineering | Employability/Skill development-QUIZ/Handson Session |
| 450 | Seminars-ii | 16CSC205 | M.Tech-Computer Science and Engineering | Employability/Skill development-Seminars and Group Discussions |
| 451 | Mini Projects | 16CSC206 | M.Tech-Computer Science and Engineering | Employability/Skill development-Implementing Problem based learning |
| 452 | Project Seminar | 16CSC301 | M.Tech-Computer Science and Engineering | Employability/Skill development-Seminars and Group Discussions |
| 453 | Project Work and Dissertation | 16CSC401 | M.Tech-Computer Science and Engineering | Employability/Skill development-Implementing Problem based learning |
| 454 | Mathematics -I | 18MT C01 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 455 | Chemistry | 18CY C01 | B.E. - Information Technology | Assignments |
| 456 | Engineering Mechanics | 18CE C01 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 457 | Engineering Graphics and Design | 18ME C01 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 458 | Programming for Problem Solving | 18CS C01 | B.E. - Information Technology | Coding Contest - Group Wise |
| 459 | Programming for Problem Solving Lab | 18CS C02 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 460 | Chemistry Lab | 18CY C02 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 461 | Mathematics - II | 18MT C03 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 462 | Optics and Semiconductor Physics | 18PY C01 | B.E. - Information Technology | Assignments |



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|------|--------------------------------------------------|-------------|-------------------------------|--------------------------------------------------------------------------------------|
| 463 | Object Oriented Programming Through C++ | 18ITC01 | B.E. - Information Technology | Programs for real time problems |
| 464 | English | 18EG C01 | B.E. - Information Technology | Seminars and Group Discussions |
| 465 | Optics and Semiconductor Physics Laboratory | 18PY C02 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 466 | Object Oriented Programming Through C++ | 18IT C02 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 467 | Workshop/ Manufacturing Practice | 18ME C02 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 468 | English Lab | 18EG C02 | B.E. - Information Technology | Seminars and Group Discussions |
| 469 | Engineering Mathematics-III | 16MTC05 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 470 | Discrete Structures and Applications | 16ITC01 | B.E. - Information Technology | Problem Solving - Previous GATE Questions |
| 471 | Data Structures and Algorithms | 16ITC02 | B.E. - Information Technology | Problem Solving - Previous GATE Questions |
| 472 | Object Oriented Programming | 16ITC03 | B.E. - Information Technology | Programs for real time problems |
| 473 | Digital Electronics & Logic Design | 16ITC04 | B.E. - Information Technology | course end project |
| 474 | Data Structures and Algorithms Lab | 16IT C05 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 475 | Object Oriented Programming Lab | 16IT C06 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 476 | Mini Project - I | 16IT C07 | B.E. - Information Technology | Seminars conducted |
| 477 | Soft Skills and Employability Enhancement Lab | 16EGC03 | B.E. - Information Technology | Seminars and Group Discussions |
| 478 | <u>Design and Analysis of Algorithms</u> | 16ITC08 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 479 | <u>Data Communications</u> | 16ITC09 | B.E. - Information Technology | Assignments |
| 480 | <u>Java Programming</u> | 16ITC10 | B.E. - Information Technology | Programs for real time problems |
| 481 | <u>Computer Organization and Microprocessors</u> | 16ITC11 | B.E. - Information Technology | Assignments |
| 482 | <u>Fundamentals of Data Science</u> | 16ITC12 | B.E. - Information Technology | Assignments |
| 483 | <u>Engineering Economics and Accountancy</u> | 16MBC01 | B.E. - Information Technology | Assignments |
| 484 | <u>Java Programming Lab</u> | 16ITC13 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 485 | <u>Microprocessors Lab</u> | 16ITC14 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 486 | <u>Mini Project - II</u> | 16ITC15 | B.E. - Information Technology | Seminars conducted |
| 487 | Principles of Operating Systems | 16ITC16 | B.E. - Information Technology | Problem Solving Exercises through Assignments |



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

List of courses having focus on employability/ entrepreneurship / skill development offered by the institution:AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-------------------------------------------------|-------------|-------------------------------|--------------------------------------------------------------------------------------|
| 488 | Database Systems | 16ITC17 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 489 | Software Engineering | 16ITC18 | B.E. - Information Technology | Assignments |
| 490 | Web Technology | 16ITC19 | B.E. - Information Technology | Developing Simple Web Sites |
| 491 | Theory of Automata | 16ITC20 | B.E. - Information Technology | Assignments |
| 492 | Python Programming | 16ITE01 | B.E. - Information Technology | Assignments |
| 493 | UNIX and Shell Programming | 16ITE02 | B.E. - Information Technology | Programs for real time problems |
| 494 | Scripting Languages | 16ITE03 | B.E. - Information Technology | Developing Simple Web Sites |
| 495 | Operating Systems and Web Technology Lab | 16ITC21 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 496 | Database Systems Lab | 16ITC22 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 497 | Mini Project-III | 16ITC23 | B.E. - Information Technology | Seminars conducted |
| 498 | <u>Computer Networks and Socket Programming</u> | 16ITC24 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 499 | Data Warehousing and Data Mining | 16ITC25 | B.E. - Information Technology | Problem Solving Exercises through Assignments |
| 500 | Artificial Intelligence | 16ITC26 | B.E. - Information Technology | Assignments |
| 501 | Principles of Compiler Design | 16ITC27 | B.E. - Information Technology | Assignments |
| 502 | Principles of Computer Graphics | 16ITE04 | B.E. - Information Technology | Assignments |
| 503 | Object Oriented System Development using UML | 16ITE06 | B.E. - Information Technology | UML diagrams for Real time applications |
| 504 | Digital Image Processing | 16ITE07 | B.E. - Information Technology | Programs for real time problems |
| 505 | Information Retrieval Systems | 16ITE08 | B.E. - Information Technology | Programs for real time problems |
| 506 | E-Commerce | 16ITE09 | B.E. - Information Technology | By focusing on case studies on shift of technology, change in methodology |
| 507 | <u>Network Programming Lab</u> | 16ITC28 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 508 | <u>Data Mining Lab</u> | 16ITC29 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 509 | <u>Mini Projects - IV</u> | 16ITC30 | B.E. - Information Technology | Seminars conducted |
| 510 | Big Data Analytics | IT 411 | B.E. - Information Technology | Assignments |
| 511 | Mobile Computing | IT 412 | B.E. - Information Technology | Assignments |
| 512 | Distributed Systems | IT 413 | B.E. - Information Technology | assignments |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|---------------------------------------------------|-------------|---------------------------------------------------|--------------------------------------------------------------------------------------|
| 513 | VLSI Technology | IT 414 | B.E. - Information Technology | Assignments |
| 514 | Disaster Mitigation and Management | CE 422 | B.E. - Information Technology | Assignments |
| 515 | Big Data Analytics Lab | IT 415 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 516 | VLSI Technology Lab | IT 416 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 517 | Project Seminar | IT 417 | B.E. - Information Technology | Seminars conducted |
| 518 | Embedded Systems & Internet of Things | IT 421 | B.E. - Information Technology | Assignments. Development of an IOT Environment using ARDUINO |
| 519 | <u>E-Commerce</u> | IT 476 | B.E. - Information Technology | By focusing on case studies on shift of technology, change in methodology |
| 520 | Data Analysis using R programming | IT 477 | B.E. - Information Technology | case studies |
| 521 | Entrepreneurship | ME 464 | B.E. - Information Technology | Analyze sartup/ideas |
| 522 | Cloud Computing | IT 481 | B.E. - Information Technology | Case Studies |
| 523 | <u>Seminars</u> | IT 423 | B.E. - Information Technology | Seminars conducted |
| 524 | <u>Embedded Systems & IOT Lab</u> | IT 422 | B.E. - Information Technology | Lab Experiments conducted to enhance the practical knowledge |
| 525 | Number Theory | 16ITC101 | M.Tech Computer Networks and Information Security | Problem Solving Exercises Through Assignments |
| 526 | <u>Advanced Computer Networks</u> | 16ITC102 | M.Tech Computer Networks and Information Security | Assignments |
| 527 | Cryptography and Network Security | 16ITC103 | M.Tech Computer Networks and Information Security | Think-pair-Share |
| 528 | <u>Distributed Systems</u> | 16ITE112 | M.Tech Computer Networks and Information Security | Poster Presentation - Group Learning Activity |
| 529 | <u>Information Retrieval Systems</u> | 16ITE121 | M.Tech Computer Networks and Information Security | Data Analysis |
| 530 | E-Commerce | 16ITE131 | M.Tech Computer Networks and Information Security | By focusing on case studies on shift of technology, change in methodology |
| 531 | Software Lab-I (Crptography and Network Security) | 16ITC104 | M.Tech Computer Networks and Information Security | Lab Experiments conducted to enhance the practical knowledge |
| 532 | Seminar-I | 16ITC105 | M.Tech Computer Networks and Information Security | seminars |
| 533 | Information Systems Security | 16ITC201 | M.Tech Computer Networks and Information Security | Think-pair-Share |
| 534 | Big Data Analytics | 16ITC202 | M.Tech Computer Networks and Information Security | Assignments |
| 535 | Advanced Computer Networks | 16ITC102 | M.Tech Computer Networks and Information Security | Conducting Quizz |
| 536 | Machine Learning | 16ITE122 | M.Tech Computer Networks and Information Security | Problem Solving Exercises Through Assignments |
| 537 | E- Commerce | 16ITE133 | M.Tech Computer Networks and Information Security | Analysing different case studies |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-----------------------------------------|-------------|---------------------------------------------------|--------------------------------------------------------------------------------------|
| S38 | Web Mining | 16ITE253 | M.Tech Computer Networks and Information Security | Assignments |
| S39 | Big Data Analytics Lab | 16ICT204 | M.Tech Computer Networks and Information Security | Lab Experiments conducted to enhance the practical knowledge |
| S40 | Seminar-II | 16ITC205 | M.Tech Computer Networks and Information Security | Seminars |
| S41 | Mini Project | 16ITC206 | M.Tech Computer Networks and Information Security | problem identification and solving with Work Presentation |
| S42 | Project Seminar | 16ITC301 | M.Tech Computer Networks and Information Security | Project Work Presentation |
| S43 | Project Work and Dissertation | 16ITC401 | M.Tech Computer Networks and Information Security | Project Work Presentation |
| S44 | Mathematics -I | 18MTC01 | B.E. Electrical and Electronics Engineering | Skill Development |
| S45 | Waves, Optics and | 18PYC04 | B.E. Electrical and Electronics Engineering | Skill Development |
| S46 | Programming for Problem | 18CSC01 | B.E. Electrical and Electronics Engineering | Skill Development |
| S47 | English | 18EGC01 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| S48 | Waves and Optics | 18PYC07 | B.E. Electrical and Electronics Engineering | Skill Development |
| S49 | Programming and Problem | 18CSC02 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| S50 | Workshop/ Manufacturing | 18MEC02 | B.E. Electrical and Electronics Engineering | Skill Development |
| S51 | English Lab | 18EGC02 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| S52 | Mathematics -II | 18MTC03 | B.E. Electrical and Electronics Engineering | Skill Development |
| S53 | Chemistry | 18CYC01 | B.E. Electrical and Electronics Engineering | Skill Development |
| S54 | Engineering Mechanics | 18CEC01 | B.E. Electrical and Electronics Engineering | Skill Development |
| S55 | Engineering Graphics and | 18MEC01 | B.E. Electrical and Electronics Engineering | Skill Development |
| S56 | Basic Electrical Engineering | 18EEC01 | B.E. Electrical and Electronics Engineering | Skill Development |
| S57 | Basic Electrical Engineering | 18EEC02 | B.E. Electrical and Electronics Engineering | Skill Development |
| S58 | Chemistry Lab | 18CYC02 | B.E. Electrical and Electronics Engineering | Skill Development |
| S59 | Engineering Mathematics-III | 16MT C05 | B.E. Electrical and Electronics Engineering | Skill Development |
| S60 | Electrical Circuits-I | 16EE C02 | B.E. Electrical and Electronics Engineering | Skill Development |
| S61 | Electrical Measurements and Instruments | 16EE C03 | B.E. Electrical and Electronics Engineering | Skill Development |
| S62 | Electronics Engineering | 16EC C16 | B.E. Electrical and Electronics Engineering | Skill Development |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-----------------------------------------------|-------------|---------------------------------------------|--------------------------------------------------------------------------------------|
| 563 | Prime Movers and Pumps | 16ME C11 | B.E. Electrical and Electronics Engineering | Skill Development |
| 564 | Engineering Economics and Accountancy | 16MB C01 | B.E. Electrical and Electronics Engineering | Skill Development & Entrepreneurship |
| 565 | Circuits and Measurements Lab | 16EE C04 | B.E. Electrical and Electronics Engineering | Skill Development |
| 566 | Electronics Engineering Lab | 16EC C17 | B.E. Electrical and Electronics Engineering | Skill Development |
| 567 | Prime Movers and Pumps Lab | 16ME C12 | B.E. Electrical and Electronics Engineering | Skill Development |
| 568 | Electrical Circuits -II | 16EEC06 | B.E. Electrical and Electronics Engineering | Skill Development |
| 569 | Electrical Machinery - I | 16EEC07 | B.E. Electrical and Electronics Engineering | Skill Development |
| 570 | Power Systems - I | 16EEC08 | B.E. Electrical and Electronics Engineering | Skill Development |
| 571 | Electromagnetic Theory | 16EEC09 | B.E. Electrical and Electronics Engineering | Skill Development |
| 572 | Digital Electronics and Logic Design | 16EEC10 | B.E. Electrical and Electronics Engineering | Skill Development |
| 573 | Linear Integrated Circuits | 16EEC11 | B.E. Electrical and Electronics Engineering | Skill Development |
| 574 | Electrical Machinery - I Lab | 16EE C12 | B.E. Electrical and Electronics Engineering | Skill Development |
| 575 | Linear Integrated Circuits Lab | 16EE C13 | B.E. Electrical and Electronics Engineering | Skill Development |
| 576 | Soft Skills and Employability Enhancement Lab | 16EG C03 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 577 | Power Systems – II | 16EEC15 | B.E. Electrical and Electronics Engineering | Skill Development |
| 578 | Electrical Machinery – II | 16EEC16 | B.E. Electrical and Electronics Engineering | Skill Development |
| 579 | Power Electronics | 16EEC17 | B.E. Electrical and Electronics Engineering | Skill Development |
| 580 | Linear Control Systems | 16EEC18 | B.E. Electrical and Electronics Engineering | Skill Development |
| 581 | Non Conventional Energy Sources | 16EE E01 | B.E. Electrical and Electronics Engineering | Skill Development |
| 582 | Statistical and Numerical Methods | 16MT E01 | B.E. Electrical and Electronics Engineering | Skill Development |
| 583 | Electrical Machinery – II Lab | 16EEC19 | B.E. Electrical and Electronics Engineering | Skill Development |
| 584 | Power Electronics Lab | 16EEC20 | B.E. Electrical and Electronics Engineering | Skill Development |
| 585 | Linear Control Systems Lab | 16EEC21 | B.E. Electrical and Electronics Engineering | Skill Development |
| 586 | Electrical Machinery – III | 16EEC23 | B.E. Electrical and Electronics Engineering | Skill Development |
| 587 | Switchgear and Protection | 16EEC24 | B.E. Electrical and Electronics Engineering | Skill Development |

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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------------------------------|-------------|---------------------------------------------|--------------------------------------------------------------------------------------|
| 588 | Power Semiconductor Drives | 16EEEC25 | B.E. Electrical and Electronics Engineering | Skill Development |
| 589 | Microprocessor and Microcontrollers | 16EEEC26 | B.E. Electrical and Electronics Engineering | Skill Development |
| 590 | Artificial Intelligence Techniques In Electrical Engineering | 16EEEE06 | B.E. Electrical and Electronics Engineering | Skill Development |
| 591 | Optimization Techniques | 16EEEE08 | B.E. Electrical and Electronics Engineering | Skill Development |
| 592 | Advanced Control System | 16EEEE09 | B.E. Electrical and Electronics Engineering | Skill Development |
| 593 | High Voltage DC Transmission | 16EEEE11 | B.E. Electrical and Electronics Engineering | Skill Development |
| 594 | Simulation Techniques for Electrical Engineering | 16EEEE12 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 595 | Microprocessor and Microcontrollers Lab | 16EEEC27 | B.E. Electrical and Electronics Engineering | Skill Development |
| 596 | Power Systems Lab | 16EEEC28 | B.E. Electrical and Electronics Engineering | Skill Development |
| 597 | Mini Project | 16EEEC29 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 598 | Power System Operation & Control | EE 411 | B.E. Electrical and Electronics Engineering | Skill Development |
| 599 | Power Semiconductor Drives | EE 412 | B.E. Electrical and Electronics Engineering | Skill Development |
| 600 | HVDC & FACTS | EE 413 | B.E. Electrical and Electronics Engineering | Skill Development |
| 601 | Managerial Economics & Accountancy course-4 | MB214 | B.E. Electrical and Electronics Engineering | Skill Development & Entrepreneurship |
| 602 | Entrepreneurship | ME 464 | B.E. Electrical and Electronics Engineering | Skill Development & Entrepreneurship |
| 603 | Artificial Intelligence Techniques in Electrical Engineering | EE 462 | B.E. Electrical and Electronics Engineering | Skill Development |
| 604 | Technical Writing & Presentation Skills | EG 451 | B.E. Electrical and Electronics Engineering | Skill Development |
| 605 | Digital Signal Processing Lab | EE 414 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 606 | Power Systems Lab | EE 415 | B.E. Electrical and Electronics Engineering | Skill Development |
| 607 | Project Seminar | EE 416 | B.E. Electrical and Electronics Engineering | Skill Development & Entrepreneurship |
| 608 | Utilization of Electrical Energy | EE 421 | B.E. Electrical and Electronics Engineering | Skill Development |
| 609 | Industrial Administration & Financial Management | ME419 | B.E. Electrical and Electronics Engineering | Skill Development |
| 610 | Power Quality Engineering | EE 474 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 611 | Electrical Distribution Systems | EE 475 | B.E. Electrical and Electronics Engineering | Skill Development |
| 612 | Disaster Mitigation & Management | CE 422 | B.E. Electrical and Electronics Engineering | Skill Development |



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|------|--------------------------------------------------------------------------------------|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------|
| 613 | Electrical Simulation Lab | EE 422 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 614 | General Seminar | EE 423 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 615 | Project | EE 901 | B.E. Electrical and Electronics Engineering | Skill Development & Employability |
| 616 | Power Semi-Conductor Devices & Circuits | 16EEEC101 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 617 | Distribution System Planning and Automation | 16EEEC102 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 618 | Flexible AC Transmission Systems | 16EEEC106 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 619 | Renewable Energy Sources | 16EEEE107 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 620 | Power Quality Engineering | 16EEEE109 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 621 | Energy Management | 16EEEE110 | M.E. Power Systems and Power Electronics | Entrepreneurship, Skill Development & Employability |
| 622 | Power Electronics Lab | 16EEEC108 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 623 | Seminar – I | 16EEEC109 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 624 | Soft Skills Lab | 16 EG 104 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 625 | Advanced Computer Methods in Power Systems | 16EEEC103 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 626 | Power System Stability | 16EEEC104 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 627 | Advanced Electric Drives | 16EEEC105 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 628 | Deregulation of Power Systems | 16EEEE105 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 629 | HVDC Transmission | 16EEEE113 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 630 | Research Methodology & Professional Ethics | 16EEEE114 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 631 | Power Systems Lab | 16EEEC107 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 632 | Seminar – II | 16EEEC110 | M.E. Power Systems and Power Electronics | Skill Development & Employability |
| 633 | Mini Project | 16EEEC111 | M.E. Power Systems and Power Electronics | Entrepreneurship, Skill Development & Employability |
| 634 | Project Seminar (i) Problem formulation & submission of synopsis within 8 weeks from | 16EEEC101 | M.E. Power Systems and Power Electronics | Entrepreneurship, Skill Development & Employability |
| 635 | Project Work & Dissertation | 16EEEC103 | M.E. Power Systems and Power Electronics | Entrepreneurship, Skill Development & Employability |
| 636 | Mathematics-I | 18MTC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 637 | Chemistry | 18CYC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |



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|------|-----------------------------------------------|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------|
| 638 | Engineering Mechanics | 18CEC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 639 | Engineering Graphics and Design | 18MEC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 640 | Basic Electrical Engineering | 18EEC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 641 | Basic Electrical Engineering Lab | 18EEC02 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development |
| 642 | Chemistry Lab | 18CYC02 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development |
| 643 | Mathematics -II | 18MTC03 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 644 | Optics and Semiconductor Physics | 18PYC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 645 | Programming for Problem Solving | 18CSC01 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development, Coding Skills for Employability |
| 646 | English | 18EGC01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 647 | Optics and Semiconductor Physics Laboratory | 18PYC02 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development |
| 648 | Programming for Problem Solving Lab | 18CSC02 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development, Coding Skills for Employability |
| 649 | Workshop/Manufacturing Practice | 18MEC02 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development |
| 650 | English Lab | 18EGC02 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development |
| 651 | Engineering Mathematics-III | 16MTC05 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 652 | Network Theory | 16EC C02 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 653 | Electronic Devices and Circuits | 16EC C03 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 654 | Signals and Systems | 16EC C04 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 655 | Electromagnetic Theory and Transmission Lines | 16EC C05 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 656 | Electronic Workshop and Network Lab | 16EC C06 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 657 | Electronic Devices Lab | 16EC C07 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 658 | Soft Skills and Employability Enhancement Lab | 16EG C03 | B.E-Electronics and Communication Engineering | Lab Tasks for Skill development |
| 659 | Digital Logic Design | 16EC C08 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 660 | Analog Electronic Circuits | 16EC C09 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 661 | Analog Communication | 16EC C10 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 662 | Antennas and Wave Propagation | 16EC C11 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |



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|------|------------------------------------------|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------|
| 663 | Electronic Instrumentation | 16EC C12 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 664 | Engineering Economics and Accountancy | 16MB C01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 665 | Digital Logic Design Lab using Verilog | 16EC C13 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 666 | Analog Electronic Circuits Lab | 16EC C14 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 667 | Analog Communication Lab | 16EC C15 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 668 | Digital Communication | 16ECC18 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 669 | Integrated Circuits and Applications | 16ECC19 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 670 | Microprocessors and Microcontrollers | 16ECC20 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 671 | Control Systems | 16ECC21 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 672 | Computer Organization and Architecture | 16ECE01 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 673 | Digital Communication Lab | 16ECC22 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 674 | Integrated Circuits and Applications Lab | 16ECC23 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 675 | Microprocessors and Microcontrollers Lab | 16ECC24 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 676 | Embedded System Design | 16ECC25 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 677 | Digital Signal Processing | 16ECC26 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 678 | Microwave Engineering | 16ECC27 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 679 | Wireless Mobile Communication | 16ECC28 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 680 | Analog and Mixed Signal Design | 16ECE03 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 681 | Coding Theory and Techniques | 16ECE04 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 682 | Data Structures | 16ITE27 | B.E-Electronics and Communication Engineering | Home Assignment, Coding Skills |
| 683 | Java Programming | 16ITE25 | B.E-Electronics and Communication Engineering | Home Assignment, Coding Skills |
| 684 | Python Programming | 16ITE26 | B.E-Electronics and Communication Engineering | Home Assignment, Coding Skills |
| 685 | Embedded System Design Lab | 16ECC29 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 686 | Digital Signal Processing Lab | 16ECC30 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 687 | Microwave Engineering Lab | 16ECC31 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |



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|------|----------------------------------------------------|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------|
| 688 | Radar Systems | EC 411 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 689 | Data Communications and Computer Networks | EC 412 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 690 | VLSI Design | EC 413 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 691 | Electronic Instrumentation | EC 414 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 692 | Industrial Administration and Financial Management | ME 419 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 693 | Embedded Systems | EC 462 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 694 | Satellite Communication | EC 464 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 695 | Electronic Design and Automation Lab | EC 415 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 696 | Advanced Simulation Lab | EC 416 | B.E-Electronics and Communication Engineering | Lab Tasks, Mini Project for Skill development and Employability |
| 697 | Project Seminar | EC 417 | B.E-Electronics and Communication Engineering | Seminar Presentation on Emerging Technologies, Encouraged to publish |
| 698 | GPS and Augmentation systems | EC 421 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 699 | Real Time Operating System | EC 472 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 700 | Digital Image Processing | EC 475 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 701 | JAVA Programming | CS 486 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development, Coding Skills for Employability |
| 702 | Entrepreneurship | ME 464 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 703 | Internet of Things | IT 429 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 704 | Disaster Mitigation and Management | CE 422 | B.E-Electronics and Communication Engineering | Home Assignment for Skill development |
| 705 | Seminar | EC 422 | B.E-Electronics and Communication Engineering | Seminar Presentation on Emerging Technologies for Skill development and |
| 706 | Project | EC 901 | B.E-Electronics and Communication Engineering | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging |
| 707 | Data and Computer Communication Networks | 16ECC101 | M.E-Communication Engineering | Home Assignment for Skill development |
| 708 | Probability and Random Processes | 16ECC105 | M.E-Communication Engineering | Home Assignment for Skill development |
| 709 | Coding Theory and Techniques | 16ECC106 | M.E-Communication Engineering | Home Assignment for Skill development |
| 710 | Satellite and Microwave Communications | 16ECE105 | M.E-Communication Engineering | Home Assignment for Skill development |
| 711 | Global Navigational Satellite Systems | 16ECE102 | M.E-Communication Engineering | Home Assignment for Skill development |
| 712 | Embedded System Design | 16ECE111 | M.E-Communication Engineering | Home Assignment for Skill development |



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List of courses having focus on employability/ entrepreneurship / skill development offered by the Institution:AY:2018-19

| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|---------------------------------------------|-------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 713 | Communications Lab | 16ECC107 | M.E-Communication Engineering | Lab Tasks for Skill development |
| 714 | Seminar – 1 | 16ECC109 | M.E-Communication Engineering | Seminar Presentation on Emerging Technologies for Skill development and |
| 715 | Soft Skills Lab | 16 EG 104 | M.E-Communication Engineering | Lab Tasks for Skill development |
| 716 | Modern Digital Signal Processing | 16ECC102 | M.E-Communication Engineering | Home Assignment for Skill development |
| 717 | Detection and Estimation Theory | 16ECC103 | M.E-Communication Engineering | Home Assignment for Skill development |
| 718 | Wireless Mobile Communication Systems | 16ECC104 | M.E-Communication Engineering | Home Assignment for Skill development |
| 719 | Image and Video Processing | 16ECE104 | M.E-Communication Engineering | Home Assignment for Skill development |
| 720 | Software Defined and Cognitive Radio | 16ECE113 | M.E-Communication Engineering | Home Assignment for Skill development |
| 721 | Selected Topics In Strategic Electronics | 16ECE119 | M.E-Communication Engineering | Home Assignment for Skill development |
| 722 | Computer Communication Networks Lab | 16ECC108 | M.E-Communication Engineering | Lab Tasks for Skill development |
| 723 | Seminar – 2 | 16ECC110 | M.E-Communication Engineering | Seminar Presentation on Emerging Technologies for Skill development and Employability |
| 724 | Mini project | 16ECC111 | M.E-Communication Engineering | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging Technologies for Skill development and Employability |
| 725 | Project work - Project Seminar | 16ECC112 | M.E-Communication Engineering | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging Technologies, Encouraged to publish Technical Papers for Skill development and Employability |
| 726 | Project work - Dissertation | 16ECC113 | M.E-Communication Engineering | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging Technologies, Encouraged to publish Technical Papers for Skill development and Employability |
| 727 | Microcontrollers for Embedded System Design | 16EC C201 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 728 | CMOS VLSI Design | 16EC C202 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 729 | Analog and Mixed Signal IC Design | 16EC C205 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 730 | Computer Communication Networks | 16EC E201 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 731 | VLSI Technology | 16EC E206 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 732 | Optimization Techniques | 16EC E213 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------------|-------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 733 | Design and Simulation Laboratory-I | 16EC C207 | M.E-Embedded Systems & VLSI Design | Lab Tasks for Skill development |
| 734 | Seminar - 1 | 16EC C209 | M.E-Embedded Systems & VLSI Design | Seminar Presentation on Emerging Technologies for Skill development and |
| 735 | Soft Skills | 16 EG 104 | M.E-Embedded Systems & VLSI Design | Lab Tasks for Skill development |
| 736 | RF IC Design | 16EC C203 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 737 | Embedded Processors and Architecture | 16EC C204 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 738 | Real Time Operating Systems | 16EC C206 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 739 | VLSI Physical Design Automation | 16EC E210 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 740 | Low Power VLSI Design | 16EC E207 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 741 | CPLD & FPGA Architectures and Applications | 16EC E204 | M.E-Embedded Systems & VLSI Design | Home Assignment for Skill development |
| 742 | Design and Simulation Laboratory-II | 16EC C208 | M.E-Embedded Systems & VLSI Design | Lab Tasks for Skill development |
| 743 | Seminar - 2 | 16EC C210 | M.E-Embedded Systems & VLSI Design | Seminar Presentation on Emerging Technologies for Skill development and Employability |
| 744 | Mini Project | 16EC C211 | M.E-Embedded Systems & VLSI Design | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging Technologies for Skill development and Employability |
| 745 | Project work -Project Seminar | 16EC C212 | M.E-Embedded Systems & VLSI Design | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging Technologies, Encouraged to publish Technical Papers for Skill development and Employability |
| 746 | Project work and Dissertation | 16EC C213 | M.E-Embedded Systems & VLSI Design | Software/Hardware Implementation of an idea, Seminar Presentation on Emerging Technologies, Encouraged to publish Technical Papers for Skill development and Employability |
| 747 | Principles of Management | 16MBC101 | Master of Bussiness Administration | Employability and Entrepreneurship- Students will gain knowledge on how to manage a business as well as Organization. |
| 748 | Managerial Economics | 16MBC102 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 749 | Financial Accounting and Analysis | 16MBC103 | Master of Bussiness Administration | Employability & Entrepreneurship: This course will help the students to analyse the financial data of an organizations and also they become financial analyst. |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------------------|-------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 750 | Marketing Management | 16MBC104 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 751 | Statistics for Management | 16MBC105 | Master of Bussiness Administration | Employability & Skill Development: It provides a platform and skill to analyze and solve the real time problems they face in any of the jobs what they get. |
| 752 | Business Communication | 16MBC106 | Master of Bussiness Administration | Employability & Skill development: This course includes the content that focuses on the communication-LSRW skills required to perform well in an Organization |
| 753 | Business Law | 16MBC107 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 754 | Information Technology Applications for Business | 16MBC108 | Master of Bussiness Administration | Skill Development: Provides the necessary skills required to understand the basics of Information Technology |
| 755 | InformationTechnology (IT) Lab | 16MB C109 | Master of Bussiness Administration | Skill Development: Provides the necessary skills required to understand the basics of Information Technology |
| 756 | Soft Skills Lab | 16EG C103 | Master of Bussiness Administration | Employability, Entrepreneurship & Skill development: This course content enables the students to gain knowledge on soft skills required for entrepreneurship and Employability |
| 757 | Organisation Behaviour | 16MB C110 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 758 | Business Environment and Ethics | 16MB C111 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 759 | Human Resource Management | 16MB C112 | Master of Bussiness Administration | Employability & Skill development: Taking up this course will help the students to get an idea about the issues and challenges involved in managing Human resources which will help them improve their employability skills in the |
| 760 | Financial Management | 16MB C113 | Master of Bussiness Administration | Employability & Entrepreneurship and students will understand the Concept of Finance function and judge the Time Value of money and also assess the feasibility of Projects using Financial Management |

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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on employability/ entrepreneurship/ skill development |
|------|-----------------------------------------|-------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 761 | Business Research Methods | 16MB C114 | Master of Business Administration | Employability & Skill development |
| 762 | Operations Research | 16MB C115 | Master of Business Administration | Employability & Entrepreneurship: Students will able to learn from operations research techniques to find the optimum solution for any given situation |
| 763 | Operations Management | 16MB C116 | Master of Business Administration | Employability & Entrepreneurship: this course will help the students in understanding the way production is done in firms/plants and the effective ways to manage the same |
| 764 | Business Analytics | 16MB C117 | Master of Business Administration | Employability & Entrepreneurship: This course helps students to understand the real world problems faced by companies by solving different cases which will help them in employability and start their own enterprise |
| 765 | Statistical Software Lab | 16MB C118 | Master of Business Administration | Employability & Skill Development: It provides a platform and skill to analyze and solve the real time problems they face in any of the jobs what they get. |
| 766 | Strategic Management Accounting | 16MB C120 | Master of Business Administration | Employability: Student can learn how to construct the cost sheet for the respective expenditure which is required by the firm. |
| 767 | International Business | 16MB C121 | Master of Business Administration | Employability & Entrepreneurship |
| 768 | Strategic Management | 16MB C122 | Master of Business Administration | Employability & Skill development: The students can master the interventions involved in Strategic Organizational Development and help them pursue employment. Besides they will understand |
| 769 | Investment Management | 16MB E101 | Master of Business Administration | Employability & Entrepreneurship as students can Classify various investment options with risk and return calculations. |
| 770 | International Finance | 16MB E102 | Master of Business Administration | Employability & Entrepreneurship: This course will helpful to the students to perform international financial transactions including currency conversions |
| 771 | Performance and Compensation Management | 16MB E103 | Master of Business Administration | Employability & Entrepreneurship |

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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|--------------------------------------------------|-------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 772 | Organizational Development and Change Management | 16MB E104 | Master of Bussiness Administration | Employability & Skill development: The students can master the interventions involved in Organization Development and help them pursue employment as an OD Consultant. Besides they will understand and |
| 773 | Product and Brand Management | 16MB E105 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 774 | Promotion and Distribution Management | 16MB E106 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 775 | Total Quality Management | 16MB E107 | Master of Bussiness Administration | Employability & Entrepreneurship: This course will be helpful to the students in terms of managing the quality not at just product level but overall. The techniques of TQM can also be implemented in day to day activities. |
| 776 | Technology Management | 16MB E108 | Master of Bussiness Administration | Skill Development: Provides the necessary skills required to understand the basics of Information Technology |
| 777 | Relational Database Management Systems | 16MB E109 | Master of Bussiness Administration | Skill Development: Provides the necessary skills required to understand the basics of Information Technology |
| 778 | E-Business | 16MB E110 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 779 | Logistics and Supply Chain Management | 16MBC124 | Master of Bussiness Administration | Employability & Entrepreneurship |
| 780 | Entrepreneurial Development | 16MBC125 | Master of Bussiness Administration | Entrepreneurship: From this course the students gain exposure to all the knowledge required to take Entrepreneurship as their career |
| 781 | Financial Risk Management | 16MBE111 | Master of Bussiness Administration | Employability & Entrepreneurship: Student will gain knowledge how to invest and where to invest in financial assets to be financially sound professionally and personally |
| 782 | Banking and Insurance | 16MBE112 | Master of Bussiness Administration | Employability & Entrepreneurship: the course helps the students to explore opportunities being newly created. In the field of Banking and Insurance due to Globalization, Privatization and Liberalization. |

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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|----------------------------------------|-------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 783 | Industrial Relations and Labor Laws | 16MBE113 | Master of Bussiness Administration | Employability & Skill development: The Students can update themselves with recent amendments in Labour Laws which will help them to attempt public sector jobs in HR. Besides they will develop the Skills of |
| 784 | Services and Retail Marketing | 16MBE116 | Master of Bussiness Administration | Employability & Entrepreneurship-Students learn the concepts of services, relevance, characteristics and the future of the services industry, fundamental of retail management and marketing techniques to reach out to |
| 785 | Enterprise Resource Planning | 16MBE118 | Master of Bussiness Administration | Skill Development: Provides the necessary skills required to understand the basics of Information Technology |
| 786 | Cloud Computing and Internet of Things | 16MBE119 | Master of Bussiness Administration | Skill Development: Provides the necessary skills required to understand the basics of Information Technology and applications of IoT in the different industries. |
| 787 | Engineering Mathematics - I | 18MT C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 788 | Physics | 18PY C 05 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 789 | Programing for problem solving | 18CS C 01 | B.Tech - Chemical Engineering | Skill development/ Employability-Assignments |
| 790 | English | 18EG C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 791 | Physics Lab | 18PY C 08 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 792 | Programming for Problem Solving Lab | 18CS C 02 | B.Tech - Chemical Engineering | Skill development/ Employability-coding exercises |
| 793 | Workshop/ Manufacturing Practice | 18ME C 02 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 794 | English Lab | 18EG C 02 | B.Tech - Chemical Engineering | Skill development-Demo Exercises |
| 795 | Mathematics - II | 18MT C 03 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 796 | Chemistry | 18CY C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 797 | Engineering Mechanics | 18CE C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 798 | Engineering Graphics and Design | 18ME C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 799 | Basic Electrical Engineering | 18EE C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 800 | Basic Electrical Engineering Lab | 18EE C 02 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 801 | Chemistry Lab | 18CY C 02 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 802 | Engineering Mathematics-III | 16MT C 03 | B.Tech - Chemical Engineering | Skill development-Assignments |



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| S.No | Name of the Course | Course Code | Name of the Programme | Activities with direct bearing on Employability/ Entrepreneurship/ Skill development |
|------|-----------------------------------------------|----------------------|-------------------------------|--------------------------------------------------------------------------------------|
| 803 | Chemical Technology | 16CH C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 804 | Fluid Mechanics | 16CH C 02 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 805 | Material and Energy Balance | 16CH C 03 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 806 | Physical Chemistry | 16CY C 07 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 807 | Engineering Economics and Accountancy | 16MB C 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 808 | Chemical Technology Lab | 16CH C 04 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 809 | Physical Chemistry Lab | 16CY C 08 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 810 | Basics of Mechanical and Electrical Engg. Lab | 16ME C 13 /16EE C 05 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 811 | Chemical Engineering Thermodynamics - I | 16CH C 05 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 812 | Chemical Reaction Engineers - I | 16CH C 06 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 813 | Material Science for Chemical Engineers | 16CH C 07 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 814 | Mechanical Unit Operations | 16CH C 08 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 815 | Process Heat Transfer | 16CH C 09 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 816 | Advanced Organic Chemistry | 16CY E 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 817 | Numerical Techniques and Statistical Methods | 16MT E 01 | B.Tech - Chemical Engineering | Skill development/ Employability-Assignments |
| 818 | Fertilizer Technology | 16CH E 01 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 819 | Fluid Mechanics Lab | 16CH C 10 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 820 | Programming Laboratory for Numerical Methods | 16MT C 07 | B.Tech - Chemical Engineering | Skill development/ Employability-coding exercises |
| 821 | Chemical Reaction Engineering - II | 16CH C 11 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 822 | Mass Transfer Operations - I | 16CH C 12 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 823 | Process Instrumentation | 16CH C 13 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 824 | Surface Coating Technology | 16CH E 02 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 825 | Technology of Vegetable Oils and Fats | 16CH E 03 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 826 | Corrosion Engineering | 16CH E 04 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 827 | Mineral Processing Technology | 16CH E 05 | B.Tech - Chemical Engineering | Skill development-Assignments |



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|------|----------------------------------------------|-------------|-------------------------------|--------------------------------------------------------------------------------------|
| 828 | Mechanical Unit Operations Lab | 16CH C 14 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 829 | Process Heat Transfer Laboratory | 16CH C 15 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 830 | Surface Coating Technology Lab | 16CH E 06 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 831 | Technology Of Vegetable Oils And Fats Lab. | 16CH E 07 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 832 | Bio Chemical Engineering | 16CH C 16 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 833 | Chemical Engineering Thermodynamics – II | 16CH C 17 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 834 | Chemical Process Safety | 16CH C 18 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 835 | Process Dynamics and Control | 16CH C 19 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 836 | Process Modeling Simulation And Optimization | 16CH C 20 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 837 | Energy Engineering. | 16CH E 08 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 838 | Fluidization Engineering | 16CH E 09 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 839 | Pharmaceutical Technology | 16CH E 10 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 840 | Chemical Reaction Engineering Laboratory | 16CH C 21 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 841 | Process Dynamics And Control Laboratory | 16CH C 22 | B.Tech - Chemical Engineering | Skill development-Demo Experiments |
| 842 | Process Modeling Simulation Laboratory | 16CH C 23 | B.Tech - Chemical Engineering | Skill development/ Employability-coding exercises |
| 843 | Chemical Process Safety | CH 411 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 844 | Mass Transfer Operations -II | CH 412 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 845 | Petrochemical Engineering | CH 413 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 846 | Principles and Practice of Management | MB 216 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 847 | Process Equipment Design | CH 414 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 848 | Fertilizer Technology | CH 461 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 849 | Membrane Separation Processes | CH 462 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 850 | Mineral Processing Technology | CH 463 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 851 | Polymer Technology | CH 464 | B.Tech - Chemical Engineering | Skill development-Assignments |
| 852 | Pulp and Paper Technology | CH 465 | B.Tech - Chemical Engineering | Skill development-Assignments |



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|------|-----------------------------------------------|-------------|-------------------------------|--------------------------------------------------------------------------------------|
| 853 | Equipment Design and Drawing | CH 415 | B.Tech - Chemical Engineering | Skill development- Demo Exercises |
| 854 | Mass Transfer Operations Laboratory | CH 416 | B.Tech - Chemical Engineering | Skill development- Demo Experiments |
| 855 | Project Seminar | CH 417 | B.Tech - Chemical Engineering | Skill development- Presentations |
| 856 | Plant Design and Economics | CH 421 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 857 | Transport Phenomena | CH 422 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 858 | Corrosion Engineering | CH 471 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 859 | Fluidization Engineering | CH 472 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 860 | Pollution Control in Process Industries | CH 473 | B.Tech - Chemical Engineering | Skill development/ Employability- Assignments |
| 861 | Sugar Technology | CH 474 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 862 | Disaster Mitigation and Management | CE 422 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 863 | Entrepreneurship | ME 464 | B.Tech - Chemical Engineering | Skill development/Entrepreneurship- Assignments |
| 864 | Nano Materials and Technology | PE 484 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 865 | Nuclear Engineering | CH 481 | B.Tech - Chemical Engineering | Skill development- Assignments |
| 866 | Seminar | CH 423 | B.Tech - Chemical Engineering | Skill development- Presentations |
| 867 | Project | CH 901 | B.Tech - Chemical Engineering | Skill development- Experiments/Design/Modelling |
| 868 | Surveying | 16CE C03 | B.E. Civil Engineering | Skill development |
| 869 | Building Materials Planning and Construction | 16CE C04 | B.E. Civil Engineering | Skill development |
| 870 | Strength of Materials-I | 16CE C05 | B.E. Civil Engineering | Skill development |
| 871 | Engineering Geology | 16CE C06 | B.E. Civil Engineering | Skill development |
| 872 | Engineering Mathematics-III | 16MT C05 | B.E. Civil Engineering | Skill development |
| 873 | Engineering Economics and Accountancy | 16MB C01 | B.E. Civil Engineering | Skill development |
| 874 | Surveying Lab-I | 16CE C07 | B.E. Civil Engineering | Skill development |
| 875 | Engineering Geology Lab | 16CE C08 | B.E. Civil Engineering | Skill development |
| 876 | Computer Aided Civil Engineering Drafting Lab | 16CE C09 | B.E. Civil Engineering | Skill development |
| 877 | Transportation Engineering | 16CE C10 | B.E. Civil Engineering | Skill development |



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|------|-----------------------------------------------|-------------|------------------------|--------------------------------------------------------------------------------------|
| 878 | Construction Management and Administration | 16CE C11 | B.E. Civil Engineering | Skill development |
| 879 | Water and Waste Water Engineering | 16CE C12 | B.E. Civil Engineering | Skill development |
| 880 | Strength of Materials-II | 16CE C13 | B.E. Civil Engineering | Skill development |
| 881 | Fluid Mechanics-I | 16CE C14 | B.E. Civil Engineering | Skill development |
| 882 | Strength of Materials Lab | 16CE C15 | B.E. Civil Engineering | Skill development |
| 883 | Surveying -II Lab | 16CE C16 | B.E. Civil Engineering | Skill development |
| 884 | Soft Skills and Employability Enhancement Lab | 16EG C03 | B.E. Civil Engineering | Skill development |
| 885 | Survey Camp | 16CE C17 | B.E. Civil Engineering | Skill development |
| 886 | Reinforced Concrete Design-I | 16CE C18 | B.E. Civil Engineering | Skill development |
| 887 | Soil Mechanics | 16CE C19 | B.E. Civil Engineering | Skill development |
| 888 | Theory of structures-I | 16CE C20 | B.E. Civil Engineering | Skill development |
| 889 | Concrete Technology | 16CE C21 | B.E. Civil Engineering | Skill development |
| 890 | Fluid Mechanics-II | 16CE C22 | B.E. Civil Engineering | Skill development |
| 891 | Fluid Mechanics Lab | 16CE C23 | B.E. Civil Engineering | Skill development |
| 892 | Environmental Engineering Lab | 16CE C24 | B.E. Civil Engineering | Skill development |
| 893 | Concrete Laboratory | 16CE C25 | B.E. Civil Engineering | Employability |
| 894 | Rock Mechanics | 16CE E01 | B.E. Civil Engineering | Skill development |
| 895 | Advanced Surveying | 16CE E02 | B.E. Civil Engineering | Skill development |
| 896 | Advanced Strength of Materials | 16CE E03 | B.E. Civil Engineering | Skill development |
| 897 | Theory of Structures-II | 16CE C 26 | B.E. Civil Engineering | Skill development |
| 898 | Reinforced Concrete Design-II | 16CE C27 | B.E. Civil Engineering | Skill development |
| 899 | Water Resources Engineering-I | 16CE C28 | B.E. Civil Engineering | Skill development |
| 900 | Foundation Engineering | 16CE C29 | B.E. Civil Engineering | Skill development |
| 901 | Soil Mechanics Laboratory | 16CE C30 | B.E. Civil Engineering | Skill development |
| 902 | Hydraulics and Hydraulic Machinery Lab | 16CE C31 | B.E. Civil Engineering | Entrepreneurship |



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|------|------------------------------------------------------------|-------------|------------------------|--------------------------------------------------------------------------------------|
| 903 | Transportation Engineering Lab | 16CE C32 | B.E. Civil Engineering | Skill development |
| 904 | Finite Element Method | 16CE E04 | B.E. Civil Engineering | Skill development |
| 905 | GIS and Remote Sensing | 16CE E05 | B.E. Civil Engineering | Skill development |
| 906 | Artificial Neural Networks, Fuzzy Logic and Expert Systems | 16CE E06 | B.E. Civil Engineering | Skill development |
| 907 | Industrial Visit | 16CE C33 | B.E. Civil Engineering | Skill development |
| 908 | Mathematics-I | 18MT C01 | B.E. Civil Engineering | Skill development |
| 909 | Introduction to Mechanics and Electromagnetic Theory | 18PY C03 | B.E. Civil Engineering | Skill development |
| 910 | Programming for Problem Solving | 18CS C01 | B.E. Civil Engineering | Skill development |
| 911 | English | 18EG C01 | B.E. Civil Engineering | Skill development |
| 912 | Mechanics and Electromagnetic Lab | 18PY C06 | B.E. Civil Engineering | Skill development |
| 913 | Programming for Problem Solving Lab | 18CS C02 | B.E. Civil Engineering | Employability |
| 914 | Workshop/Manufacturing Practice | 18ME C02 | B.E. Civil Engineering | Employability |
| 915 | English Lab | 18EG C02 | B.E. Civil Engineering | Skill development |
| 916 | Mathematics-II | 18MT C03 | B.E. Civil Engineering | Skill development |
| 917 | Chemistry | 18CY C01 | B.E. Civil Engineering | Skill development |
| 918 | Engineering Mechanics | 18CE C01 | B.E. Civil Engineering | Skill development |
| 919 | Engineering Graphics and Design | 18ME C01 | B.E. Civil Engineering | Skill development |
| 920 | Basic Electrical Engineering | 18EE C01 | B.E. Civil Engineering | Skill development |
| 921 | Basic Electrical Engineering Lab | 18EE C02 | B.E. Civil Engineering | Skill development |
| 922 | Chemistry Lab | 18CY C02 | B.E. Civil Engineering | Skill development |

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