



**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)**

(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

This is to certify that 34.57% of courses that include experiential learning through project work/field work/internship during last five years and details given below:

| Sl No. | Academic Year | No. of Courses |
|--------|---------------|----------------|
| 1 | 2019-20 | 188 |
| 2 | 2018-19 | 180 |
| 3 | 2017-18 | 206 |
| 4 | 2016-17 | 194 |
| 5 | 2015-16 | 247 |



PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thirissur Dt
Pin 680 597 Kerala

Principal



**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)**

(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

| SI No. | Academic Year | Page No |
|--------|-------------------------|---------|
| 1 | 2019-20 | 3 |
| 2 | 2018-19 | 34 |
| 3 | 2017-18 | 76 |
| 4 | 2016-17 | 120 |
| 5 | 2015-16 | 162 |

Academic Year1 2019-20



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)

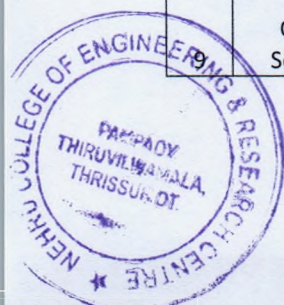
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

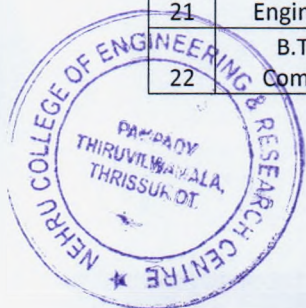
List for Courses 2019-20

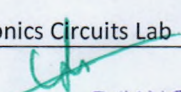
| Sl No | Program Name | Course code | Course Name | Project/ Internship/ Field visit |
|-------|--|-------------|--|----------------------------------|
| 1 | B.Tech. Computer Science and Engineering | MAT 101 | LINEAR ALGEBRA AND CALCULUS | Y |
| 2 | B.Tech. Computer Science and Engineering | PHT 100 | ENGINEERING PHYSICS A | y |
| 3 | B.Tech. Computer Science and Engineering | CYT 100 | ENGINEERING CHEMISTRY | |
| 4 | B.Tech. Computer Science and Engineering | EST 100 | ENGINEERING MECHANICS | |
| 5 | B.Tech. Computer Science and Engineering | EST 110 | ENGINEERING GRAPHICS | Y |
| 6 | B.Tech. Computer Science and Engineering | EST 120 | BASICS OF CIVIL & MECHANICAL ENGINEERING | |
| 7 | B.Tech. Computer Science and Engineering | EST 130 | BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING | Y |
| 8 | B.Tech. Computer Science and Engineering | HUN 101 | LIFE SKILLS | |
| | B.Tech. Computer Science and Engineering | PHL 120 | ENGINEERING PHYSICS LAB | |



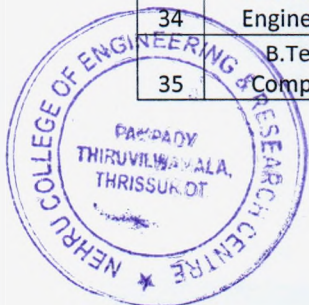
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|----|---|-------------|--|---|
| | Engineering | | | |
| 10 | B.Tech. Computer Science and Engineering | CYL 120 | ENGINEERING CHEMISTRY LAB | |
| 11 | B.Tech. Computer Science and Engineering | ESL 120 | CIVIL & MECHANICAL WORKSHOP | |
| 12 | B.Tech. Computer Science and Engineering | ESL 130 | ELECTRICAL & ELECTRONICS WORKSHOP | |
| 13 | B.Tech. Computer Science and Engineering | MAT 102 | VECTOR CALCULU S, DIFFERENTIAL EQUATIONS AND TRANSFORMS | |
| 14 | B.Tech. Computer Science and Engineering | HUT 102 | PROFESSIONAL COMMUNICATION | |
| 15 | B.Tech. Computer Science and Engineering | EST 102 | PROGRAMMING IN C | Y |
| 16 | B.Tech. Computer Science and Engineering | CS201 | Discrete Computational Structures | |
| 17 | B.Tech. Computer Science and Engineering | CS203 | Switching Theory and Logic Design | |
| 18 | B.Tech. Computer Science and Engineering | CS205 | Data Structures | |
| 19 | B.Tech. Computer Science and Engineering | CS207 | Electronics Devices & Circuits | Y |
| 20 | B.Tech. Computer Science and Engineering | HS210/HS200 | Life Skills/Business Economics | Y |
| 21 | B.Tech. Computer Science and Engineering | CS231 | Data Structures Lab | |
| 22 | B.Tech. Computer | CS233 | Electronics Circuits Lab | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala


| | | | | |
|----|--|-------|---|---|
| | Science and Engineering | | | |
| 23 | B.Tech. Computer Science and Engineering | MA202 | Probability Distributions, Transforms and Numerical Methods | |
| 24 | B.Tech. Computer Science and Engineering | CS202 | Computer Organization and Architecture | |
| 25 | B.Tech. Computer Science and Engineering | CS204 | Operating Systems | Y |
| 26 | B.Tech. Computer Science and Engineering | CS206 | Object Oriented Design and Programming | Y |
| 27 | B.Tech. Computer Science and Engineering | CS208 | Principles of Database Design | Y |
| 28 | B.Tech. Computer Science and Engineering | CS232 | Free and Open Source Software Lab | Y |
| 29 | B.Tech. Computer Science and Engineering | CS234 | Digital Systems Lab | |
| 30 | B.Tech. Computer Science and Engineering | CS301 | Theory of Computation | |
| 31 | B.Tech. Computer Science and Engineering | CS303 | System Software | Y |
| 32 | B.Tech. Computer Science and Engineering | CS305 | Microprocessors and Microcontrollers | Y |
| 33 | B.Tech. Computer Science and Engineering | CS307 | Data Communication | |
| 34 | B.Tech. Computer Science and Engineering | CS309 | Graph Theory and Combinatorics | Y |
| 35 | B.Tech. Computer Science and Engineering | CS341 | Design Project | |



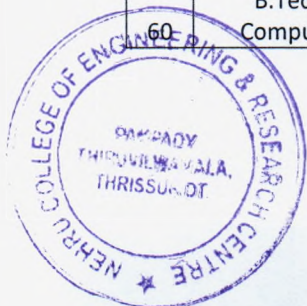
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

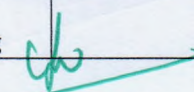
| | | | | |
|----|--|-------|---|---|
| | Science and Engineering | | | |
| 36 | B.Tech. Computer Science and Engineering | CS331 | System Software Lab | |
| 37 | B.Tech. Computer Science and Engineering | CS333 | Application Software Development Lab | Y |
| 38 | B.Tech. Computer Science and Engineering | CS361 | Soft Computing | Y |
| 39 | B.Tech. Computer Science and Engineering | CS365 | Optimization Techniques | Y |
| 40 | B.Tech. Computer Science and Engineering | CS367 | Logic for Computer Science | |
| 41 | B.Tech. Computer Science and Engineering | CS302 | Design and Analysis of Algorithms | Y |
| 42 | B.Tech. Computer Science and Engineering | CS304 | Compiler Design | Y |
| 43 | B.Tech. Computer Science and Engineering | CS306 | Computer Networks | Y |
| 44 | B.Tech. Computer Science and Engineering | CS308 | Software Engineering and Project Management | Y |
| 45 | B.Tech. Computer Science and Engineering | HS300 | Principles of Management | |
| 46 | B.Tech. Computer Science and Engineering | CS332 | Microprocessor Lab | |
| 47 | B.Tech. Computer Science and Engineering | CS334 | Network Programming Lab | |



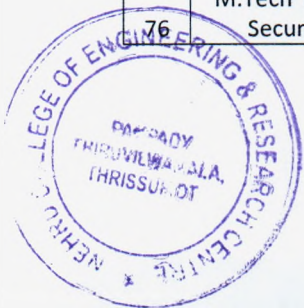

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|----|---|-------------------------------------|--------------------------------------|---|
| 48 | B.Tech. Computer Science and Engineering | CS352/EC352/EE352/ME352/MT352/AU352 | Comprehensive Exam | |
| 49 | B.Tech. Computer Science and Engineering | CS364 | Mobile Computing | Y |
| 50 | B.Tech. Computer Science and Engineering | CS366 | Natural Language Processing | |
| 51 | B.Tech. Computer Science and Engineering | CS368 | Web Technologies | Y |
| 52 | B.Tech. Computer Science and Engineering | CS401 | Computer Graphics | Y |
| 53 | B.Tech. Computer Science and Engineering | CS403 | Programming Paradigms | Y |
| 54 | B.Tech. Computer Science and Engineering | CS405 | Computer System Architecture | Y |
| 55 | B.Tech. Computer Science and Engineering | CS407 | Distributed Computing | Y |
| 56 | B.Tech. Computer Science and Engineering | CS409 | Cryptography and Network Security | Y |
| 57 | B.Tech. Computer Science and Engineering | CS451/EE451/EC451/ME451/MT451/AU451 | Seminar & Project Preliminary | |
| 58 | B.Tech. Computer Science and Engineering | CS431 | Compiler Design Lab | Y |
| 59 | B.Tech. Computer Science and Engineering | CS465 | Bio Informatics | Y |
| 60 | B.Tech. Computer | CS467 | Machine Learning | |



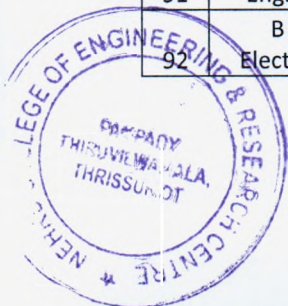

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|----|--|-------------------------------------|--|---|
| | Science and Engineering | | | |
| 61 | B.Tech. Computer Science and Engineering | CS469 | Computational complexity | Y |
| 62 | B.Tech. Computer Science and Engineering | CS402 | Data Mining and Ware Housing | Y |
| 63 | B.Tech. Computer Science and Engineering | CS404 | Embedded Systems | |
| 64 | B.Tech. Computer Science and Engineering | CS492/EE492/EC492/ME492/MT492/AU492 | Project | Y |
| 65 | B.Tech. Computer Science and Engineering | CS464 | Artificial Intelligence | Y |
| 66 | B.Tech. Computer Science and Engineering | CS468 | Cloud Computing | |
| 67 | B.Tech. Computer Science and Engineering | CS472 | Principles of Information Security | |
| 68 | M.Tech Cyber Security | 08CS 6211 | Mathematical Foundations of Computer Science | |
| 69 | M.Tech Cyber Security | 08CS 6221 | Internetworking – Protocols and Security | |
| 70 | M.Tech Cyber Security | 08CS 6231 | Advanced Cryptography | |
| 71 | M.Tech Cyber Security | 08CS 6241 | Advanced Computer Architecture | |
| 72 | M.Tech Cyber Security | 08CS 6251(A) | High Speed Networks | |
| 73 | M.Tech Cyber Security | 08CS 6271 | Seminar I | |
| 74 | M.Tech Cyber Security | 08CS 6281 | Advanced Networking Lab | |
| 75 | M.Tech Cyber Security | 08CS 6212 | Mobile and Wireless Network Security | |
| 76 | M.Tech Cyber Security | 08CS 6222 | Secure Coding | |



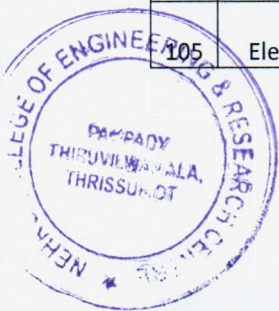
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pam-pady Thiruvilwamala, Thirissur Dt
Pin 680 597 Kerala

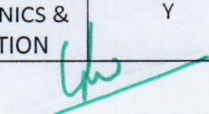
| | | | | |
|----|--|--------------|----------------------------------|---|
| 77 | M.Tech Cyber Security | 08CS 6232 | Digital Forensics | |
| 78 | M.Tech Cyber Security | 08CS 6242(A) | Data Compression | |
| 79 | M.Tech Cyber Security | 08CS 6252(C) | Soft Computing | |
| 80 | M.Tech Cyber Security | 08CS 6262 | Mini Project | |
| 81 | M.Tech Cyber Security | 08CS 6272 | Cyber Security Lab | |
| 82 | B TECH Electronics & Communication Engineering | MA 102 | Differential Equations | Y |
| 83 | B TECH Electronics & Communication Engineering | PH100 | Engineering Physics | |
| 84 | B TECH Electronics & Communication Engineering | BE100 | Engineering Mechanics | Y |
| 85 | B TECH Electronics & Communication Engineering | BE102 | Design and Engineering | |
| 86 | B TECH Electronics & Communication Engineering | ME100 | Basics Of Mechanical Engineering | |
| 87 | B TECH Electronics & Communication Engineering | CE100 | Basics Civil Engineering | |
| 88 | B TECH Electronics & Communication Engineering | PH110 | Engineering PhysicsLab | |
| 89 | B TECH Electronics & Communication Engineering | CE110 | Civil Engineering Workshop | |
| 90 | B TECH Electronics & Communication Engineering | ME110 | Mechanical Engineering Workshop | |
| 91 | B TECH Electronics & Communication Engineering | EC201 | NETWORK THEORY | Y |
| 92 | B TECH Electronics & Communication Engineering | EC203 | SOLID STATE DEVICES | Y |



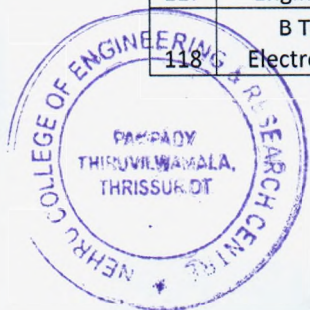
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady, Thiruvilwamala, Thirissur Dt
Pin 680 597 Kerala

| | | | | |
|-----|---|-------|---|---|
| | Communication Engineering | | | |
| 93 | B TECH Electronics & Communication Engineering | EC205 | ELECTRONIC CIRCUITS | Y |
| 94 | B TECH Electronics & Communication Engineering | EC207 | LOGIC CIRCUIT DESIGN | Y |
| 95 | B TECH Electronics & Communication Engineering | EC231 | ELECTRONIC DEVICES & CIRCUITS LAB | Y |
| 96 | B TECH Electronics & Communication Engineering | EC233 | ELECTRONIC DESIGN AUTOMATION LAB | |
| 97 | B TECH Electronics & Communication Engineering | MA204 | PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS | |
| 98 | B TECH Electronics & Communication Engineering | EC202 | SIGNALS & SYSTEMS | Y |
| 99 | B TECH Electronics & Communication Engineering | EC206 | COMPUTER ORGANIZATION | Y |
| 100 | B TECH Electronics & Communication Engineering | EC208 | ANALOG COMMUNICATION ENGINEERING | |
| 101 | B TECH Electronics & Communication Engineering | EC232 | ANALOG INTEGRATED CIRCUITS LAB | Y |
| 102 | B TECH Electronics & Communication Engineering | EC301 | DIGITAL SIGNAL PROCESSING | |
| 103 | B TECH Electronics & Communication Engineering | EC303 | APPLIED ELECTROMAGNETIC THEORY | Y |
| 104 | B TECH Electronics & Communication Engineering | EC305 | MICROPROCESSORS & MICROCONTROLLERS | Y |
| 105 | B TECH Electronics & | EC307 | POWER ELECTRONICS & INSTRUMENTATION | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur
 Pin 680 597 Kerala

| | | | | | |
|-----|---|--------|--|---|---|
| | Communication Engineering | | | | |
| 106 | B TECH Electronics & Communication Engineering | EC361* | | DIGITAL SYSTEM DESIGN | Y |
| 107 | B TECH Electronics & Communication Engineering | EC341 | | DESIGN PROJECT | Y |
| 108 | B TECH Electronics & Communication Engineering | EC333 | | DIGITAL SIGNAL PROCESSING LAB | Y |
| 109 | B TECH Electronics & Communication Engineering | EC335 | | POWER ELECTRONICS & INSTRUMENTATION LAB | |
| 110 | B TECH Electronics & Communication Engineering | EC302 | | DIGITAL COMMUNICATION | |
| 111 | B TECH Electronics & Communication Engineering | EC304 | | VLSI | Y |
| 112 | B TECH Electronics & Communication Engineering | EC306 | | ANTENNA & WAVE PROPAGATION | Y |
| 113 | B TECH Electronics & Communication Engineering | EC308 | | EMBEDDED SYSTEMS | Y |
| 114 | B TECH Electronics & Communication Engineering | EC312 | | OBJECT ORIENTED PROGRAMMING | Y |
| 115 | B TECH Electronics & Communication Engineering | EC268* | | ROBOTICS | |
| 116 | B TECH Electronics & Communication Engineering | EC332 | | COMMUNICATION ENGG LAB (ANALOG & DIGITAL) | Y |
| 117 | B TECH Electronics & Communication Engineering | EC334 | | MICROCONTROLLER LAB | |
| 118 | B TECH Electronics & | EC401 | | INFORMATION THEORY & CODING | Y |



PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

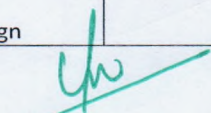
| | | | | |
|-----|---|------------|---|---|
| | Communication Engineering | | | |
| 119 | B TECH Electronics & Communication Engineering | EC403 | MICROWAVE & RADAR ENGINEERIN | Y |
| 120 | B TECH Electronics & Communication Engineering | EC405 | OPTICAL COMMUNICATION | Y |
| 121 | B TECH Electronics & Communication Engineering | EC407 | COMPUTER COMMUNICATION | Y |
| 122 | B TECH Electronics & Communication Engineering | EC409 | CONTROL SYSTEMS | |
| 123 | B TECH Electronics & Communication Engineering | EC461 | MICROWAVE DEVICES AND CIRCUITS | Y |
| 124 | B TECH Electronics & Communication Engineering | EC431 | COMMUNICATION SYSTEMS LAB (OPTICAL & MICROWAVE) | |
| 125 | B TECH Electronics & Communication Engineering | EC402 | NANO ELECTRONICS | |
| 126 | B TECH Electronics & Communication Engineering | EC464 | LOW POWER VLSI DESIGN | Y |
| 127 | MTECH VLSI Design | 08EC6311 | ADVANCED ENGG MATHEMATICS | |
| 128 | MTECH VLSI Design | 08EC6321 | CMOS VLSI DESIGN | Y |
| 129 | MTECH VLSI Design | 08EC6331 | ADVANCED DSD | |
| 130 | MTECH VLSI Design | 08EC6341 | VLSI FABRICATION TECHNOLOGY | |
| 131 | MTECH VLSI Design | 08EC6351 | DIGITAL INTEGRATED CIRCUITS | Y |
| 132 | MTECH VLSI Design | 08EC6371 | SEMINAR | Y |
| 133 | MTECH VLSI Design | 08EC6381 | VLSI DESIGN LAB | Y |
| 134 | MTECH VLSI Design | 08 EC 6312 | ANALOG VLSI DESIGN | Y |



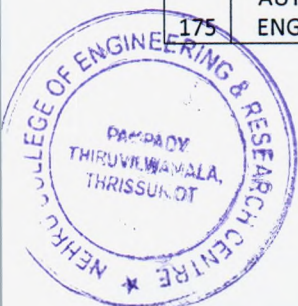
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thirissur Dt
Pin - 680 597 Kerala

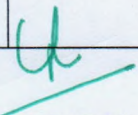
| | | | | |
|-----|-------------------|---------------|--|---|
| 135 | MTECH VLSI Design | 08 EC 6322 | CAD OF VLSI CIRCUITS | Y |
| 136 | MTECH VLSI Design | 08 EC 6332 | TESTING & VERIFICATION OF VLSI CIRCUITS | Y |
| 137 | MTECH VLSI Design | 08 EC 6342(A) | LOW POWER VLSI DESIGN | Y |
| 138 | MTECH VLSI Design | 08 EC 6352(B) | SoC DESIGN & VERIFICATION | Y |
| 139 | MTECH VLSI Design | 08 EC 6362 | MINI PROJECT | Y |
| 140 | MTECH VLSI Design | 08 EC 6372 | TESTING & VERIFICATION OF VLSI LAB | Y |
| 141 | MTECH VLSI Design | 08EC7313 | FPGA ARCHITECTURE | |
| 142 | MTECH VLSI Design | 08EC7323 | SYSTEM VERILOG | Y |
| 143 | MTECH VLSI Design | 08EC7333 | SEMINAR | Y |
| 144 | MTECH VLSI Design | 08EC7343 | PROJECT PHASE 1 | Y |
| 145 | MTECH VLSI Design | 08EC7314 | PROJECT PHASE II | Y |
| 146 | MTECH VLSI Design | 08EC6351A | Electronic System Design | Y |
| 147 | MTECH VLSI Design | 08EC6351B | Digital Integrated Circuits Design | Y |
| 148 | MTECH VLSI Design | 08EC6351C | Designing with Microcontrollers | Y |
| 149 | MTECH VLSI Design | 08EC6342A | Low Power VLSI Design | |
| 150 | MTECH VLSI Design | 08EC6342B | Synthesis and optimization of Digital Circuits | Y |
| 151 | MTECH VLSI Design | 08EC6342C | Design of Digital Signal Processing | |
| 152 | MTECH VLSI Design | 08EC6352A | High Speed Digital Design | Y |
| 153 | MTECH VLSI Design | 08EC6352B | SoC Design & Verification | |
| 154 | MTECH VLSI Design | 08EC6352C | Nano electronics | Y |
| 155 | MTECH VLSI Design | 08EC7313A | FPGA Architecture & Applications | Y |
| 156 | MTECH VLSI Design | 08EC7313B | Mixed SignalSystem Design | |
| 157 | MTECH VLSI Design | 08EC7313C | ASIC Design | |



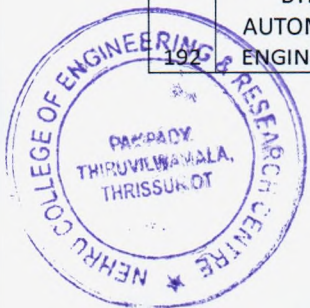

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597, Kerala

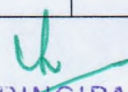
| | | | | |
|-----|------------------------------|-----------|---------------------------------------|---|
| 158 | MTECH VLSI Design | 08EC7323A | System Verilog | |
| 159 | MTECH VLSI Design | 08EC7323B | Hardware Software Co Design | Y |
| 160 | MTECH VLSI Design | 08EC7323C | VLSI Signal Processing | |
| 161 | BTECH AUTOMOBILE ENGINEERING | ME307 | Machine Design-I | Y |
| 162 | BTECH AUTOMOBILE ENGINEERING | ME309 | Metallurgy & Material Science | Y |
| 163 | BTECH AUTOMOBILE ENGINEERING | ME311 | Manufacturing Processes | Y |
| 164 | BTECH AUTOMOBILE ENGINEERING | AU307 | Vehicle Body Engineering | |
| 165 | BTECH AUTOMOBILE ENGINEERING | AU361 | Alternative Fuels and Energy Sources | |
| 166 | BTECH AUTOMOBILE ENGINEERING | AU363 | Plastics & Composites in Automobile | |
| 167 | BTECH AUTOMOBILE ENGINEERING | AU365 | Automotive Pollution and Testing | |
| 168 | BTECH AUTOMOBILE ENGINEERING | ME333 | Heat Engines Lab | |
| 169 | BTECH AUTOMOBILE ENGINEERING | ME335 | Production Engineering Lab | |
| 170 | BTECH AUTOMOBILE ENGINEERING | ME314 | Machine Design-II | |
| 171 | BTECH AUTOMOBILE ENGINEERING | AU302 | Automotive Electrical and Electronics | |
| 172 | BTECH AUTOMOBILE ENGINEERING | AU362 | Hybrid and Fuel Cell Vehicles | |
| 173 | BTECH AUTOMOBILE ENGINEERING | AU364 | Vehicle Performance & Testing | |
| 174 | BTECH AUTOMOBILE ENGINEERING | AU366 | Vehicle Aerodynamics | |
| 175 | BTECH AUTOMOBILE ENGINEERING | ME374 | Theory of Vibration | |



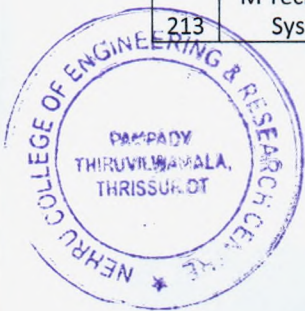

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|-------|---|---|
| 176 | BTECH AUTOMOBILE ENGINEERING | AU332 | Auto Electrical & Electronics Lab | |
| 177 | BTECH AUTOMOBILE ENGINEERING | AU352 | Comprehensive Exam | |
| 178 | BTECH AUTOMOBILE ENGINEERING | AU401 | Automotive System Design | |
| 179 | BTECH AUTOMOBILE ENGINEERING | AU403 | Vehicle Dynamics | |
| 180 | BTECH AUTOMOBILE ENGINEERING | AU405 | Automotive Refrigeration & Air Conditioning | |
| 181 | BTECH AUTOMOBILE ENGINEERING | AU407 | Advanced I C Engines | Y |
| 182 | BTECH AUTOMOBILE ENGINEERING | AU409 | Simulation & Analysis of IC Engine Processes | |
| 183 | BTECH AUTOMOBILE ENGINEERING | AU461 | Automotive Comfort & Safety Engineering | |
| 184 | BTECH AUTOMOBILE ENGINEERING | AU463 | Operation Management in Auto Industry | |
| 185 | BTECH AUTOMOBILE ENGINEERING | AU465 | Product Design & Life Cycle Management | |
| 186 | BTECH AUTOMOBILE ENGINEERING | AU410 | Vehicle Transport & Fleet Management | |
| 187 | BTECH AUTOMOBILE ENGINEERING | AU451 | Seminar & Project Preliminary | |
| 188 | BTECH AUTOMOBILE ENGINEERING | AU431 | Autotronics Lab | |
| 189 | BTECH AUTOMOBILE ENGINEERING | AU402 | Two and Three Wheelers | Y |
| 190 | BTECH AUTOMOBILE ENGINEERING | AU404 | Engine & Vehicle Management Systems | |
| 191 | BTECH AUTOMOBILE ENGINEERING | AU462 | Vehicle Maintenance | Y |
| 192 | BTECH AUTOMOBILE ENGINEERING | AU464 | Special Type of Vehicles | Y |



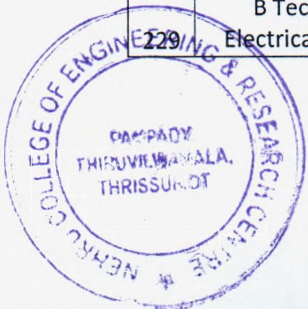

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|---------------------|--|---|
| 193 | BTECH AUTOMOBILE ENGINEERING | AU466 | Automobile Manufacturing Technology | |
| 194 | BTECH AUTOMOBILE ENGINEERING | AU468 | AGV and Autonomous Vehicles | |
| 195 | BTECH AUTOMOBILE ENGINEERING | AU472 | Metrology and Instrumentation | |
| 196 | BTECH AUTOMOBILE ENGINEERING | CS484 | COMPUTER GRAPHICS | Y |
| 197 | BTECH AUTOMOBILE ENGINEERING | EC482 | BIOMEDICAL ENGINEERING | |
| 198 | BTECH AUTOMOBILE ENGINEERING | IE488 | TOTAL QUALITY MANAGEMENT | |
| 199 | BTECH AUTOMOBILE ENGINEERING | ME482 | ENERGY CONSERVATION AND MANAGEMENT | Y |
| 200 | M Tech(Energy Systems) | 08EE6011 | Applied Mathematics | Y |
| 201 | M Tech(Energy Systems) | 08EE6021 | Advanced Energy Conversion Systems | Y |
| 202 | M Tech(Energy Systems) | 08EE6031 | Renewable Energy Technology | |
| 203 | M Tech(Energy Systems) | 08EE6041 | Electrical Energy Systems and Management | |
| 204 | M Tech(Energy Systems) | 08EE6051 (A) | Energy Policies for Sustainable Development | |
| 205 | M Tech(Energy Systems) | 08EE6071 | Seminar | |
| 206 | M Tech(Energy Systems) | 08EE6081 | Energy Systems Lab | |
| 207 | M Tech(Energy Systems) | 08EE6012 | Design and Analysis of Energy Systems | |
| 208 | M Tech(Energy Systems) | 08EE6022 | Energy Conservation in Thermal Systems | |
| 209 | M Tech(Energy Systems) | 08EE6032 | Energy and Environment | |
| 210 | M Tech(Energy Systems) | 08EE6042 (A) | Hydro Power Systems | |
| 211 | M Tech(Energy Systems) | 08EE6052 (A) | Wind Energy and its Utilization | |
| 212 | M Tech(Energy Systems) | 08EE6062 | Mini Project | |
| 213 | M Tech(Energy Systems) | 08EE6072 | Power Electronics Lab | |



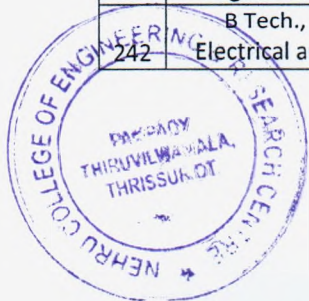

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala


| | | | | |
|-----|---|--------------|--------------------------------------|---|
| 214 | M Tech(Energy Systems) | 08EE7013 (C) | Energy Efficient Buildings | |
| 215 | M Tech(Energy Systems) | 08EE7023(C) | Nanomaterials and Nanotechnology | |
| 216 | M Tech(Energy Systems) | 08EE7033 | Seminar | |
| 217 | M Tech(Energy Systems) | 08EE7043 | Research Project Phase-I | |
| 218 | M Tech(Energy Systems) | 08EE7014 | Research Project - Phase II | |
| 219 | B Tech., Electrical and Electronics Engineering | EE201 | Circuits and, Networks | |
| 220 | B Tech., Electrical and Electronics Engineering | EE203 | Analogue Electronic Circuits | |
| 221 | B Tech., Electrical and Electronics Engineering | EE205 | DC Machines and Transformers | |
| 222 | B Tech., Electrical and Electronics Engineering | EE207 | Computer Programming | |
| 223 | B Tech., Electrical and Electronics Engineering | EE231 | Electronic Circuits Lab | |
| 224 | B Tech., Electrical and Electronics Engineering | EE233 | Programming Lab | |
| 225 | B Tech., Electrical and Electronics Engineering | EE202 | Synchronous and Induction Machines | |
| 226 | B Tech., Electrical and Electronics Engineering | EE204 | Digital Electronics and Logic Design | |
| 227 | B Tech., Electrical and Electronics Engineering | EE206 | Material Science | |
| 228 | B Tech., Electrical and Electronics Engineering | EE208 | Measurements and Instrumentation | |
| 229 | B Tech., Electrical and Electronics Engineering | EE232 | Electrical Machines Lab I | Y |



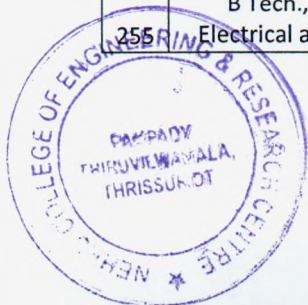

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thiruvananthapuram Dt
 Pin 680 597 Kerala

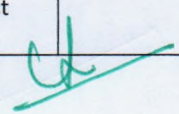
| | | | | |
|-----|--|-------|---|---|
| | Electronics Engineering | | | |
| 230 | B Tech., Electrical and Electronics Engineering | EE234 | Circuits and Measurements Lab | Y |
| 231 | B Tech., Electrical and Electronics Engineering | EE301 | Power Generation, Transmission and Protection | Y |
| 232 | B Tech., Electrical and Electronics Engineering | EE303 | Linear Control Systems | Y |
| 233 | B Tech., Electrical and Electronics Engineering | EE305 | Power Electronics | |
| 234 | B Tech., Electrical and Electronics Engineering | EE307 | Signals and Systems | |
| 235 | B Tech., Electrical and Electronics Engineering | EE309 | Microprocessor and Embedded Systems | |
| 236 | B Tech., Electrical and Electronics Engineering | EE367 | New and Renewable Energy Systems | |
| 237 | B Tech., Electrical and Electronics Engineering | EE341 | Design Project | |
| 238 | B Tech., Electrical and Electronics Engineering | EE331 | Digital Circuits and Embedded Systems Lab | |
| 239 | B Tech., Electrical and Electronics Engineering | EE333 | Electrical Machines Lab II | |
| 240 | B Tech., Electrical and Electronics Engineering | EE302 | Electromagnetics | |
| 241 | B Tech., Electrical and Electronics Engineering | EE304 | Advanced Control Theory | Y |
| 242 | B Tech., Electrical and | EE306 | Power System Analysis | Y |



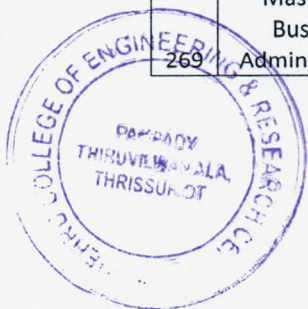

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

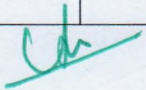
| | | | | |
|-----|--|-------|---|---|
| | Electronics Engineering | | | |
| 243 | B Tech., Electrical and Electronics Engineering | EE308 | Electric Drives | Y |
| 244 | B Tech., Electrical and Electronics Engineering | EE372 | Biomedical Instrumentation | |
| 245 | B Tech., Electrical and Electronics Engineering | EE364 | Switched Mode Power Converters (HONOURS) | |
| 246 | B Tech., Electrical and Electronics Engineering | EE332 | Systems and Control Lab | Y |
| 247 | B Tech., Electrical and Electronics Engineering | EE334 | Power Electronics and Drives Lab | |
| 248 | B Tech., Electrical and Electronics Engineering | EE401 | Electronic communication | |
| 249 | B Tech., Electrical and Electronics Engineering | EE403 | Distributed generation and smart grids | |
| 250 | B Tech., Electrical and Electronics Engineering | EE405 | Electrical system design | Y |
| 251 | B Tech., Electrical and Electronics Engineering | EE407 | Digital Signal Processing | Y |
| 252 | B Tech., Electrical and Electronics Engineering | EE409 | Electrical Machine Design | Y |
| 253 | B Tech., Electrical and Electronics Engineering | EE465 | Power Quality | Y |
| 254 | B Tech., Electrical and Electronics Engineering | EE469 | Electric and Hybrid Vehicles | Y |
| 255 | B Tech., Electrical and | EE451 | Seminar & Project Preliminary | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597, Kerala

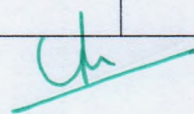
| | | | | |
|-----|--|-------|--|---|
| | Electronics Engineering | | | |
| 256 | B Tech., Electrical and Electronics Engineering | EE431 | Power system Lab | |
| 257 | B Tech., Electrical and Electronics Engineering | EE464 | FACTS | |
| 258 | B Tech., Electrical and Electronics Engineering | EE474 | Energy Management and Auditing | |
| 259 | B Tech., Electrical and Electronics Engineering | EE402 | Special Electric Machines | |
| 260 | B Tech., Electrical and Electronics Engineering | MA484 | Operation Research | Y |
| 261 | B Tech., Electrical and Electronics Engineering | EE404 | Industrial Instrumentation & Automation | Y |
| 262 | B Tech., Electrical and Electronics Engineering | EE492 | Project | Y |
| 263 | Masters in Business Administration | 11 | QT – Quantitative Methods for Management | Y |
| 264 | Masters in Business Administration | 12 | OB 1– Organizational Behaviour | |
| 265 | Masters in Business Administration | 13 | ME – Managerial Economics | |
| 266 | Masters in Business Administration | 14 | BC – Business Communication | |
| 267 | Masters in Business Administration | 15 | ACC – Accounting for Managers | |
| 268 | Masters in Business Administration | 16 | B&S – Business and Society | |
| 269 | Masters in Business Administration | 17 | MS 1- Managerial Skill | |



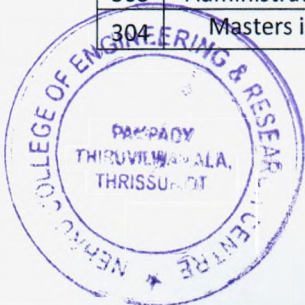

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

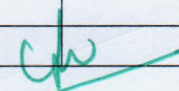
| | | | | |
|-----|------------------------------------|----|-----------------------------------|---|
| 270 | Masters in Business Administration | 21 | OB II- Organizational Behavior II | Y |
| 271 | Masters in Business Administration | 22 | BE-Business Environment | |
| 272 | Masters in Business Administration | 23 | MM I – Marketing Management I | |
| 273 | Masters in Business Administration | 24 | OM-Operation Management | |
| 274 | Masters in Business Administration | 25 | FM I-Financial Management | |
| 275 | Masters in Business Administration | 26 | BL – Business Law | |
| 276 | Masters in Business Administration | 27 | MS II- Managerial Skill | |
| 277 | Masters in Business Administration | 31 | Marketing Management II | |
| 278 | Masters in Business Administration | 32 | Financial Management II | |
| 279 | Masters in Business Administration | 33 | Human Resource Management | |
| 280 | Masters in Business Administration | 34 | Business Research Methods | |
| 281 | Masters in Business Administration | 35 | Management Information System | Y |
| 282 | Masters in Business Administration | 36 | Operation Research | |
| 283 | Masters in Business Administration | 37 | Strategic Management | |
| 284 | Masters in Business Administration | 38 | Managerial Skills III | Y |
| 285 | Masters in Business Administration | 41 | IB-International Business | |
| 286 | Masters in Business Administration | 42 | BA-Business Analytics | |



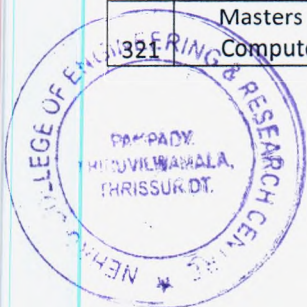

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------------|---|---|
| 287 | Masters in Business Administration | FIN-T4-1 | FM&S-Financial market and Services | |
| 288 | Masters in Business Administration | HR-T4-3 | IRL-Industrial Relation and Labour Law | |
| 289 | Masters in Business Administration | FIN-T4-4 | CBS-Commercial Banking System | Y |
| 290 | Masters in Business Administration | HR-T4-1 | T&D-Training and Development | |
| 291 | Masters in Business Administration | MKT-T4/T5-10 / | Integrated Marketing Communications / | |
| 292 | Masters in Business Administration | OM-T4-6 | LM-Logistics and Material Handling | |
| 293 | Masters in Business Administration | MKT-T4-4/ | Service marketing/ | |
| 294 | Masters in Business Administration | OM-T4-4 | Business Process Reengineering | |
| 295 | Masters in Business Administration | 51 | ESHIP-Entrepreneurship | |
| 296 | Masters in Business Administration | 52 | BE-Business Ethics& Corporate Governance | |
| 297 | Masters in Business Administration | FIN-T5-8/ | SAPM—Security Analysis and Portfolio Management/ | |
| 298 | Masters in Business Administration | OM-T5-12 | Six Sigma and Total Quality Management | |
| 299 | Masters in Business Administration | FIN –T5-9 | Corporate Taxation/ | |
| 300 | Masters in Business Administration | OM-T5-7 | HCM-Health Care Management | |
| 301 | Masters in Business Administration | Fin-T5-11 | Non Banking Financial System/ | Y |
| 302 | Masters in Business Administration | OM-T5-10 | IMPD-Innovation Management and New Product Development/ | Y |
| 303 | Masters in Business Administration | MKT-T511/ | CRM-Customer Relation Management/ | Y |
| 304 | Masters in Business Administration | HR-T5-7 | Performance | |



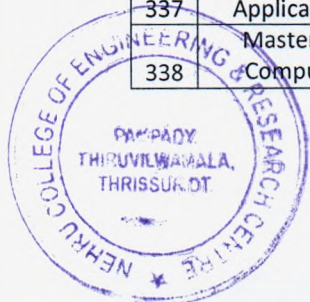

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | Business Administration | | Management | |
|-----|------------------------------------|-----------|--|--|
| 305 | Masters in Business Administration | 61 | CCM-Cross cultural Management | |
| 306 | Masters in Business Administration | HR-T6-14/ | HRA-Human Resource Analytics/ | |
| 307 | Masters in Business Administration | FIN-T6-13 | IM-Insurance Management | |
| 308 | Masters in Business Administration | OM-T6-13 | Business Sustainability | |
| 309 | Masters in Business Administration | MKT-T6-14 | B2B-Business to Business Marketing | |
| 310 | Masters in Computer Applications | RLMCA101 | Problem Solving and Computer Programming | |
| 311 | Masters in Computer Applications | RLMCA103 | Discrete Mathematics | |
| 312 | Masters in Computer Applications | RLMCA105 | Applied Probability and Statistics | |
| 313 | Masters in Computer Applications | RLMCA107 | Principles of Management | |
| 314 | Masters in Computer Applications | RLMCA109 | Digital Fundamentals | |
| 315 | Masters in Computer Applications | RLMCA131 | Programming Lab | |
| 316 | Masters in Computer Applications | RLMCA133 | Applied Statistics Lab | |
| 317 | Masters in Computer Applications | RLMCA102 | Object Oriented Programming | |
| 318 | Masters in Computer Applications | RLMCA104 | Data Structures | |
| 319 | Masters in Computer Applications | RLMCA106 | Operating Systems | |
| 320 | Masters in Computer Applications | RLMCA108 | Operations Research | |
| 321 | Masters in Computer Applications | RLMCA112 | Computer Organization and Architecture | |



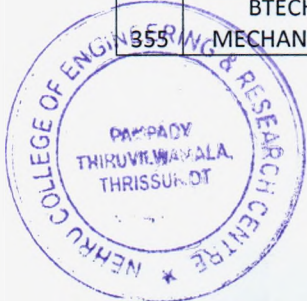

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

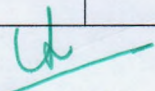
| | Applications | | | |
|-----|----------------------------------|----------|--|---|
| 322 | Masters in Computer Applications | RLMCA132 | Object Oriented Programming Lab | |
| 323 | Masters in Computer Applications | RLMCA134 | Data Structures Lab | Y |
| 324 | Masters in Computer Applications | RLMCA201 | Computer Networks | |
| 325 | Masters in Computer Applications | RLMCA203 | Software Engineering | |
| 326 | Masters in Computer Applications | RLMCA205 | Database Management Systems | |
| 327 | Masters in Computer Applications | RLMCA207 | Design and Analysis of Algorithms | |
| 328 | Masters in Computer Applications | RLMCA209 | Web Programming | |
| 329 | Masters in Computer Applications | RLMCA231 | Database Lab | |
| 330 | Masters in Computer Applications | RLMCA233 | Web Programming Lab | Y |
| 331 | Masters in Computer Applications | RLMCA202 | Application Development and Maintenance | Y |
| 332 | Masters in Computer Applications | RLMCA204 | Bigdata Technologies | Y |
| 333 | Masters in Computer Applications | RLMCA206 | Mobile Computing | |
| 334 | Masters in Computer Applications | RLMCA208 | Introduction to Machine Learning | |
| 335 | Masters in Computer Applications | RLMCA274 | Business Intelligence and its Applications | |
| 336 | Masters in Computer Applications | RLMCA232 | System Design Lab | |
| 337 | Masters in Computer Applications | RLMCA234 | Mobile Application Development Lab | |
| 338 | Masters in Computer Applications | RLMCA301 | Web Data Mining | Y |



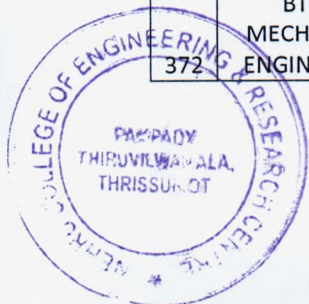
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | Applications | | | |
|-----|----------------------------------|----------|-----------------------------------|---|
| 339 | Masters in Computer Applications | RLMCA303 | E-Commerce | Y |
| 340 | Masters in Computer Applications | RLMCA305 | Cryptography and Cyber Security | Y |
| 341 | Masters in Computer Applications | RLMCA371 | Social Network Analysis | |
| 342 | Masters in Computer Applications | RLMCA381 | Cloud Computing | |
| 343 | Masters in Computer Applications | RLMCA341 | Seminar | Y |
| 344 | Masters in Computer Applications | RLMCA351 | Mini Project | |
| 345 | Masters in Computer Applications | RLMCA352 | Project and Viva Voce | Y |
| 346 | BTECH MECHANICAL ENGINEERING | ME202 | ADVANCED MECHANICS OF SOLIDS | |
| 347 | BTECH MECHANICAL ENGINEERING | ME204 | THERMAL ENGINEERING | Y |
| 348 | BTECH MECHANICAL ENGINEERING | ME206 | FLUID MACHINERY | |
| 349 | BTECH MECHANICAL ENGINEERING | HS210 | LIFE SKILLS | |
| 350 | BTECH MECHANICAL ENGINEERING | ME232 | THERMAL ENGINEERING LAB | |
| 351 | BTECH MECHANICAL ENGINEERING | ME306 | ADVANCED MANUFACTURING TECHNOLOGY | |
| 352 | BTECH MECHANICAL ENGINEERING | ME308 | COMPUTER AIDED DESIGN & ANALYSIS | |
| 353 | BTECH MECHANICAL ENGINEERING | ME312 | METROLOGY & INSTRUMENTATION | Y |
| 354 | BTECH MECHANICAL ENGINEERING | ME376 | MAINTENANCE ENGINEERING | Y |
| 355 | BTECH MECHANICAL ENGINEERING | ME352 | COMPREHENSIVE EXAM | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|--------|--|---|
| | ENGINEERING | | | |
| 356 | BTECH MECHANICAL ENGINEERING | ME334 | MANUFACTURING TECHNOLOGY LAB | |
| 357 | BTECH MECHANICAL ENGINEERING | ME402 | DESIGN OF MACHINE ELEMENTS II | |
| 358 | BTECH MECHANICAL ENGINEERING | ME404 | INDUSTRIAL ENGINEERING | |
| 359 | BTECH MECHANICAL ENGINEERING | ME462 | PROPULSION ENGINEERING | |
| 360 | BTECH MECHANICAL ENGINEERING | ME464 | ROBOTICS & AUTOMATION | |
| 361 | BTECH MECHANICAL ENGINEERING | ME476 | MATERIAL HANDLING & FACILITIES PLANNING | |
| 362 | BTECH MECHANICAL ENGINEERING | ME 492 | PROJECT | Y |
| 363 | BTECH MECHANICAL ENGINEERING | ME201 | MECHANICS OF SOLIDS | |
| 364 | BTECH MECHANICAL ENGINEERING | ME203 | MECHANICS OF FLUIDS | |
| 365 | BTECH MECHANICAL ENGINEERING | ME205 | THERMODYNAMICS | |
| 366 | BTECH MECHANICAL ENGINEERING | ME210 | METALLURGY & MATERIALS ENGINEERING | Y |
| 367 | BTECH MECHANICAL ENGINEERING | ME231 | COMPUTER AIDED MACHINE DRAWING LAB | Y |
| 368 | BTECH MECHANICAL ENGINEERING | CE230 | MATERIAL TESTING LAB | Y |
| 369 | BTECH MECHANICAL ENGINEERING | ME301 | MECHANICS OF MACHINERY | Y |
| 370 | BTECH MECHANICAL ENGINEERING | ME303 | MACHINE TOOLS & DIGITAL MANUFACTURING | Y |
| 371 | BTECH MECHANICAL ENGINEERING | ME305 | COMPUTER PROGRAMMING & NUMERICAL METHODS | |
| 372 | BTECH MECHANICAL ENGINEERING | EE335 | ELECTRICAL & ELECTRONICS LAB | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

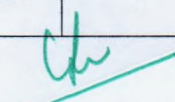
| | | | | |
|-----|------------------------------------|-------------|--|---|
| 373 | BTECH MECHANICAL ENGINEERING | ME331 | MANUFACTURING TECHNOLOGY LAB I | Y |
| 374 | BTECH MECHANICAL ENGINEERING | ME401 | DESIGN OF MACHINE ELEMENTS I | Y |
| 375 | BTECH MECHANICAL ENGINEERING | ME403 | ADVANCED ENERGY ENGINEERING | |
| 376 | BTECH MECHANICAL ENGINEERING | ME405 | REFRIGERATION & AIR- CONDITIONING | |
| 377 | BTECH MECHANICAL ENGINEERING | ME407 | MECHATRONICS | |
| 378 | BTECH MECHANICAL ENGINEERING | ME409 | COMPRESSIBLE FLUID FLOW | |
| 379 | BTECH MECHANICAL ENGINEERING | ME463 | AUTOMOBILE ENGINEERING | |
| 380 | BTECH MECHANICAL ENGINEERING | ME467 | CRYOGENIC ENGINEERING | Y |
| 381 | BTECH MECHANICAL ENGINEERING | IE306 | SUPPLY CHAIN & LOGISTICS MANAGEMENT | Y |
| 382 | BTECH MECHANICAL ENGINEERING | ME431 | MECHANICAL ENGINEERING LAB | Y |
| 383 | Mtech Machine Design | 08ME 7013 A | Fracture Mechanics | Y |
| 384 | Mtech Machine Design | 08 ME7023 C | Computer Integrated Manufacturing | |
| 385 | Mtech Machine Design | 08ME 7033 | Seminar II | Y |
| 386 | Mtech Machine Design | 08ME 7043 | Project | Y |
| 387 | Mtech Machine Design | 08ME7014 | Project (Phase II) | Y |
| 388 | B Tech- MECHATRONICS | MR201 | C Programming | |
| 389 | B Tech- MECHATRONICS | EE209 | Electrical Technology | |
| 390 | B Tech- MECHATRONICS | EC209 | Analog Electronics | |
| 391 | B Tech- MECHATRONICS | MR205 | Science of Measurements | |
| 392 | B Tech- MECHATRONICS | EC212 | Linear Integrated Circuits and Digital Electronics | |



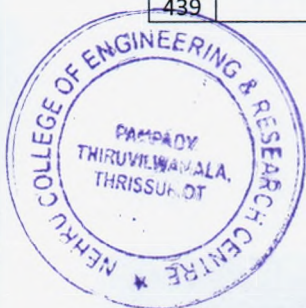
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

| | | | | |
|-----|-------------------------|-------|--|---|
| 393 | B Tech- MECHATRONICS | ME200 | Fluid Mechanics & Machinery | Y |
| 394 | B Tech- MECHATRONICS | EC234 | Linear Integrated Circuits and Digital Electronics Lab | |
| 395 | B Tech- MECHATRONICS | MR301 | Linear Control Systems | Y |
| 396 | B Tech- MECHATRONICS | MR303 | Microprocessors and Microcontrollers | |
| 397 | B Tech- MECHATRONICS | MR305 | PLC and Data Acquisition Systems | |
| 398 | B Tech- MECHATRONICS | MR307 | Thermodynamics | |
| 399 | B Tech- MECHATRONICS | | Elective 1 | |
| 400 | B Tech- MECHATRONICS | MR331 | Microprocessors and Microcontrollers Lab | |
| 401 | B Tech- MECHATRONICS | MR333 | Metrology and PLC Lab | |
| 402 | B Tech- MECHATRONICS | MR361 | Reliability Engineering | |
| 403 | B Tech- MECHATRONICS | MR363 | Object Oriented Programming | |
| 404 | B Tech- MECHATRONICS | MR365 | Composite Materials | |
| 405 | B Tech- MECHATRONICS | MR302 | Robotics Engineering | |
| 406 | B Tech- MECHATRONICS | MR304 | Digital Image Processing and Machine Vision | |
| 407 | B Tech- MECHATRONICS | MR306 | Mechanics of Solids | Y |
| 408 | B Tech- MECHATRONICS | MR308 | Digital Manufacturing | Y |
| 409 | B Tech- MECHATRONICS | MR332 | Manufacturing Engineering Lab | Y |
| 410 | B Tech- MECHATRONICS | MR334 | Advanced Instrumentation Lab | Y |
| 411 | B Tech- MECHATRONICS | MR352 | Comprehensive Exam | |
| 412 | B Tech- MECHATRONICS | MR362 | Digital Signal Processing | |
| 413 | B Tech- MECHATRONICS | MR364 | Energy Engineering Management | Y |
| 414 | B Tech- MECHATRONICS | MR366 | Biomaterials | Y |
| 415 | B Tech- MECHATRONICS | AE403 | Biomedical Instrumentation | Y |
| 416 | B Tech- MECHATRONICS | MR401 | Advanced Automation Systems | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panampady Thiruvilwamala, Thrissur Dt
 Pin: 686 501 Kerala

| | | | | |
|-----|-------------------------|--------|---|---|
| 417 | B Tech- MECHATRONICS | MR403 | Nanotechnology | |
| 418 | B Tech- MECHATRONICS | MR405 | Embedded Systems | |
| 419 | B Tech- MECHATRONICS | MR407 | Autotronics | Y |
| 420 | B Tech- MECHATRONICS | MR409 | Micro Electro Mechanical Systems | Y |
| 421 | B Tech- MECHATRONICS | MR451 | Seminar & Project Preliminary | Y |
| 422 | B Tech- MECHATRONICS | MR431 | Mechatronics Lab | Y |
| 423 | B Tech- MECHATRONICS | MR461 | Fuzzy Logic Controllers | Y |
| 424 | B Tech- MECHATRONICS | MR463 | Bio Mechatronics | |
| 425 | B Tech- MECHATRONICS | MR465 | Entrepreneurship | |
| 426 | B Tech- MECHATRONICS | ME469 | Finite Element Analysis | |
| 427 | B Tech- MECHATRONICS | MR402 | Soft Computing Techniques | |
| 428 | B Tech- MECHATRONICS | MR404 | Power Electronics and Drives | |
| 429 | B Tech- MECHATRONICS | | Elective 4 | Y |
| 430 | B Tech- MECHATRONICS | | Elective 5 | Y |
| 431 | B Tech- MECHATRONICS | MR462 | Industrial Electronics and Applications | |
| 432 | B Tech- MECHATRONICS | MR464 | Agile Manufacturing Systems | Y |
| 433 | B Tech- MECHATRONICS | MR466 | Special Electrical Machines and Applications | Y |
| 434 | B Tech- MECHATRONICS | MR468 | Research Methodology | Y |
| 435 | B Tech- MECHATRONICS | AO482 | FLIGHT AGAIST GRAVITY | Y |
| 436 | B Tech- MECHATRONICS | AE482 | INDUSTRIAL INSTRUMENTATION | |
| 437 | B Tech- MECHATRONICS | AE484 | INSTRUMENTATION SYSTEM DESIGN | |
| 438 | B Tech- MECHATRONICS | BM 482 | BIO MEDICAL INSTRUMENTATION (AE 403/ Bio Medical Instrumentation | |
| 439 | B Tech- MECHATRONICS | BM484 | MEDICAL IMAGING & IMAGE PROCESSING TECHNIQUES | |



Ch
PRINCIPAL

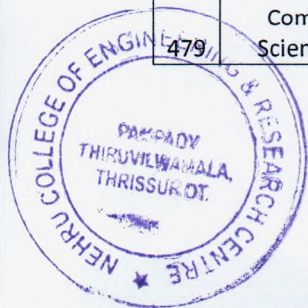
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

| | | | | |
|-----|-------------------------|--------|--|---|
| 440 | B Tech- MECHATRONICS | BT461 | DESIGN OF BIOLOGICAL WASTEWATER SYSTEMS | Y |
| 441 | B Tech- MECHATRONICS | BT362 | BT362 SUSTAINABLE ENERGY PROCESSES | |
| 442 | B Tech- MECHATRONICS | CH482 | PROCESS UTILITIES AND PIPE LINE DESIGN | Y |
| 443 | B Tech- MECHATRONICS | CH484 | FUEL CELL TECHNOLOGY | |
| 444 | B Tech- MECHATRONICS | CE482 | ENVIRONMENTAL IMPACT ASSESSMENT | Y |
| 445 | B Tech- MECHATRONICS | CE484 | APPLIED EARTH SYSTEMS | Y |
| 446 | B Tech- MECHATRONICS | CE486 | GEO INFORMATICS FOR INFRASTRUCTURE MANAGEMENT | Y |
| 447 | B Tech- MECHATRONICS | CE488 | DISASTER MANAGEMENT | Y |
| 448 | B Tech- MECHATRONICS | CE494 | ENVIRONMENT HEALTH AND SAFETY | Y |
| 449 | B Tech- MECHATRONICS | CS482 | DATA STRUCTURES | |
| 450 | B Tech- MECHATRONICS | CS486 | OBJECT ORIENTED PROGRAMMING (MR363/ OBJECTED ORIENTED PROGRAMMING) | |
| 451 | B Tech- MECHATRONICS | CS488 | C # AND .NET PROGRAMMING | |
| 452 | B Tech- MECHATRONICS | FT482 | FOOD PROCESS ENGINEERING | Y |
| 453 | B Tech- MECHATRONICS | FT484 | FOOD STORAGE ENGINEERING | Y |
| 454 | B Tech- MECHATRONICS | FT486 | FOOD ADDITIVES AND FLAVOURING | |
| 455 | B Tech- MECHATRONICS | .IE482 | FINANCIAL MANAGEMENT | Y |
| 456 | B Tech- MECHATRONICS | IE484 | INTRODUCTION TO BUSINESS ANALYTICS | Y |
| 457 | B Tech- MECHATRONICS | IE486 | DESIGN AND ANALYSIS OF EXPERIMENTS | |
| 458 | B Tech- MECHATRONICS | IC482 | BIOMEDICAL SIGNAL PROCESSING | |
| 459 | B Tech- MECHATRONICS | IT482 | INFORMATION STORAGE MANAGEMENT | Y |
| 460 | B Tech- MECHATRONICS | MA482 | APPLIED LINEAR ALGEBRA | Y |
| 461 | B Tech- MECHATRONICS | MA486 | ADVANCED NUMERICAL COMPUTATIONS | Y |
| 462 | B Tech- MECHATRONICS | MA488 | CRYPTOGRAPHY | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|--|---------------|---|---|
| 463 | B Tech- MECHATRONICS | ME484 | FINITE ELEMENT ANALYSIS | |
| 464 | B Tech- MECHATRONICS | ME471 | OPTIMIZATION TECHNIQUES | |
| 465 | B Tech- MECHATRONICS | MP482 | PRODUCT DEVELOPMENT AND DESIGN | |
| 466 | B Tech- MECHATRONICS | MP469 | INDUSTRIAL PSYCHOLOGY & ORGANIZATIONAL BEHAVIOUR | |
| 467 | B Tech- MECHATRONICS | MP484 | PROJECT MANAGEMENT | |
| 468 | B Tech- MECHATRONICS | MT482 | INDUSTRIAL SAFETY | |
| 469 | B Tech- MECHATRONICS | FS482 | RESPONSIBLE ENGINEERING | |
| 470 | B Tech- MECHATRONICS | SB482 | DREDGERS AND HARBOUR CRAFTS | |
| 471 | B Tech- MECHATRONICS | HS482 | PROFESSIONAL ETHICS | |
| 472 | M Tech Computer Science and Engineering | 08 CS 6011 | Operating System Design | |
| 473 | M Tech Computer Science and Engineering | 08 CS 6021 | Advanced Data Structures | Y |
| 474 | M Tech Computer Science and Engineering | 08 CS 6031 | Advanced Database Technology | Y |
| 475 | M Tech Computer Science and Engineering | 08 CS 6041 | Mathematical Foundations of Computer Science | |
| 476 | M Tech Computer Science and Engineering | 08 CS 6051(A) | Computational Intelligence | |
| 477 | M Tech Computer Science and Engineering | 08 CS 6071(P) | Seminar I | |
| 478 | M Tech Computer Science and Engineering | 08 CS 6081(P) | Advanced Data Structures Lab | Y |
| 479 | M Tech Computer Science and Engineering | 08 CS 6012 | Advanced Compiler Design | |

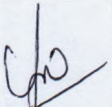


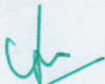

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampadu, Thiruvilwamala, Thrissur District
 Pin 680 597 Kerala

| | | | | |
|-----|--|----------------|-------------------------------------|---|
| | Engineering | | | |
| 480 | M Tech Computer Science and Engineering | 08 CS 6022 | Information Retrieval | |
| 481 | M Tech Computer Science and Engineering | 08 CS 6032 | Evolutionary Computing | |
| 482 | M Tech Computer Science and Engineering | 08 CS 6042(B) | Big Data Essentials | |
| 483 | M Tech Computer Science and Engineering | 08 CS 6052(A) | Cloud Computing | Y |
| 484 | M Tech Computer Science and Engineering | 08 CS 6062(P) | Mini Project | |
| 485 | M Tech Computer Science and Engineering | 08 CS 6072 (P) | Data mining and Analytics Lab | Y |
| 486 | M Tech Computer Science and Engineering | 08 CS 7011(A) | Unix Internals | |
| 487 | M Tech Computer Science and Engineering | 08 CS 7021(B) | Semantic Web | |
| 488 | M Tech Computer Science and Engineering | 08 CS 7031(P) | Seminar II | |
| 489 | M Tech Computer Science and Engineering | 08 CS 7041(P) | Masters Research Project Phase 1 | |
| 490 | M Tech Computer Science and Engineering | 08 CS 7012(P) | Masters Research Project Phase 2 | |

No. of Courses:188




Principal


PRINCIPAL
Nehru College of
Engineering and Research Centre
Pamapady, Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

Academic Year2 2018-19



**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)**

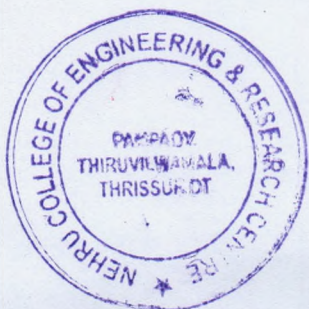
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

List for Courses 2018-19

| Sl No | Program Name | Course code | Course Name | Project/ Internship/ Field visit |
|-------|--|-------------|---|----------------------------------|
| 1 | B.Tech. Computer Science and Engineering | MA101 | Calculus | Y |
| 2 | B.Tech. Computer Science and Engineering | PH100 | Engineering Physics | Y |
| 3 | B.Tech. Computer Science and Engineering | CY100 | Engineering Chemistry | |
| 4 | B.Tech. Computer Science and Engineering | BE101-OX | Introduction to _____ Engineering | Y |
| 5 | B.Tech. Computer Science and Engineering | BE103 | Introduction to Sustainable Engineering | |
| 6 | B.Tech. Computer Science and Engineering | CE100 | Basics of Civil Engineering | |
| 7 | B.Tech. Computer Science and Engineering | ME100 | Basics of Mechanical Engineering | |
| 8 | B.Tech. Computer Science and Engineering | EE100 | Basics of Electrical Engineering | Y |

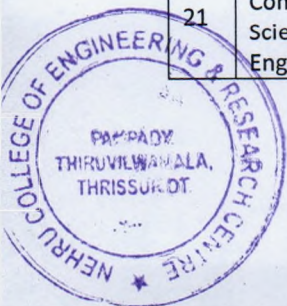


che

PRINCIPAL

Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

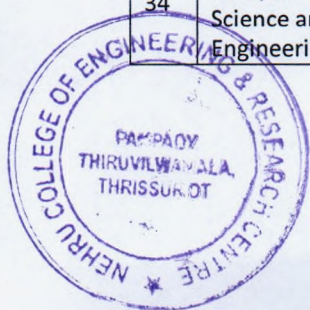
| | | | | |
|----|---|-------------------------------|--------------------------------------|---|
| 9 | B.Tech. Computer Science and Engineering | EC100 | Basics of Electronics Engineering | Y |
| 10 | B.Tech. Computer Science and Engineering | PH110 | Engineering Physics Lab | |
| 11 | B.Tech. Computer Science and Engineering | CY110 | Engineering Chemistry Lab | |
| 12 | B.Tech. Computer Science and Engineering | CE110/ME110/EE110/EC110/CS110 | Basic Engineering Workshops | |
| 13 | B.Tech. Computer Science and Engineering | MA102 | Differential Equations | |
| 14 | B.Tech. Computer Science and Engineering | BE100 | Engineering Mechanics | Y |
| 15 | B.Tech. Computer Science and Engineering | BE110 | Engineering Graphics | Y |
| 16 | B.Tech. Computer Science and Engineering | BE102 | Design & Engineering | Y |
| 17 | B.Tech. Computer Science and Engineering | CS 100 | Computer Programming | Y |
| 18 | B.Tech. Computer Science and Engineering | MA201 | Linear Algebra & Complex Analysis | |
| 19 | B.Tech. Computer Science and Engineering | CS201 | Discrete Computational Structures | Y |
| 20 | B.Tech. Computer Science and Engineering | CS203 | Switching Theory and Logic Design | |
| 21 | B.Tech. Computer Science and Engineering | CS205 | Data Structures | Y |



CPW

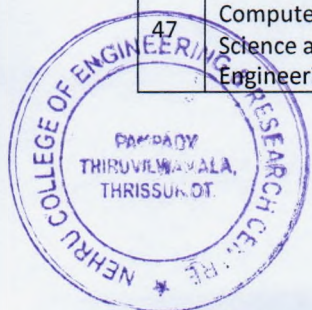
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thiruvananthapuram
Pin 680 597 Kerala

| | | | | |
|----|---|-------------|---|---|
| 22 | B.Tech. Computer Science and Engineering | CS207 | Electronics Devices & Circuits | Y |
| 23 | B.Tech. Computer Science and Engineering | HS210/HS200 | Life Skills/Business Economics | |
| 24 | B.Tech. Computer Science and Engineering | CS231 | Data Structures Lab | Y |
| 25 | B.Tech. Computer Science and Engineering | CS233 | Electronics Circuits Lab | Y |
| 26 | B.Tech. Computer Science and Engineering | MA202 | Probability Distributions, Transforms and Numerical Methods | |
| 27 | B.Tech. Computer Science and Engineering | CS202 | Computer Organization and Architecture | Y |
| 28 | B.Tech. Computer Science and Engineering | CS204 | Operating Systems | Y |
| 29 | B.Tech. Computer Science and Engineering | CS206 | Object Oriented Design and Programming | Y |
| 30 | B.Tech. Computer Science and Engineering | CS208 | Principles of Database Design | Y |
| 31 | B.Tech. Computer Science and Engineering | CS232 | Free and Open Source Software Lab | Y |
| 32 | B.Tech. Computer Science and Engineering | CS234 | Digital Systems Lab | |
| 33 | B.Tech. Computer Science and Engineering | CS301 | Theory of Computation | Y |
| 34 | B.Tech. Computer Science and Engineering | CS303 | System Software | Y |



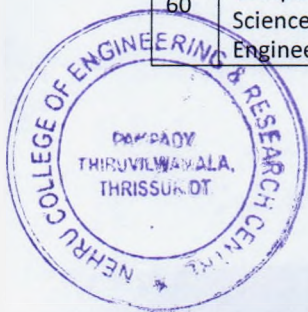
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pam-pady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|----|---|-------|---|---|
| 35 | B.Tech. Computer Science and Engineering | CS305 | Microprocessors and Microcontrollers | |
| 36 | B.Tech. Computer Science and Engineering | CS307 | Data Communication | Y |
| 37 | B.Tech. Computer Science and Engineering | CS309 | Graph Theory and Combinatorics | Y |
| 38 | B.Tech. Computer Science and Engineering | CS341 | Design Project | |
| 39 | B.Tech. Computer Science and Engineering | CS331 | System Software Lab | Y |
| 40 | B.Tech. Computer Science and Engineering | CS333 | Application Software Development Lab | Y |
| 41 | B.Tech. Computer Science and Engineering | CS361 | Soft Computing | Y |
| 42 | B.Tech. Computer Science and Engineering | CS365 | Optimization Techniques | Y |
| 43 | B.Tech. Computer Science and Engineering | CS367 | Logic for Computer Science | |
| 44 | B.Tech. Computer Science and Engineering | CS369 | Digital System Testing & Testable Design | |
| 45 | B.Tech. Computer Science and Engineering | CS302 | Design and Analysis of Algorithms | Y |
| 46 | B.Tech. Computer Science and Engineering | CS304 | Compiler Design | Y |
| 47 | B.Tech. Computer Science and Engineering | CS306 | Computer Networks | Y |



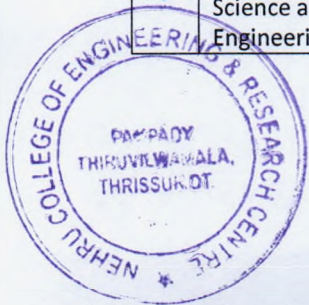
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panapady Thiruvilwamala, Thriassur Dt.
Pin 680 597 Kerala

| | | | | |
|----|---|-------|--|---|
| 48 | B.Tech. Computer Science and Engineering | CS308 | Software Engineering and Project Management | Y |
| 49 | B.Tech. Computer Science and Engineering | HS300 | Principles of Management | |
| 50 | B.Tech. Computer Science and Engineering | CS332 | Microprocessor Lab | |
| 51 | B.Tech. Computer Science and Engineering | CS334 | Network Programming Lab | Y |
| 52 | B.Tech. Computer Science and Engineering | CS352 | Comprehensive Exam | |
| 53 | B.Tech. Computer Science and Engineering | CS362 | Computer Vision | |
| 54 | B.Tech. Computer Science and Engineering | CS364 | Mobile Computing | Y |
| 55 | B.Tech. Computer Science and Engineering | CS366 | Natural Language Processing | |
| 56 | B.Tech. Computer Science and Engineering | CS368 | Web Technologies | Y |
| 57 | B.Tech. Computer Science and Engineering | CS372 | High Performance Computing | |
| 58 | B.Tech. Computer Science and Engineering | CS401 | Computer Graphics | Y |
| 59 | B.Tech. Computer Science and Engineering | CS403 | Programming Paradigms | Y |
| 60 | B.Tech. Computer Science and Engineering | CS405 | Computer System Architecture | Y |



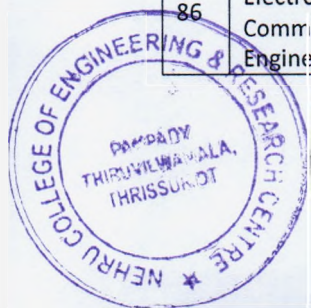
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|----|---|-------|--------------------------------------|---|
| 61 | B.Tech. Computer Science and Engineering | CS407 | Distributed Computing | Y |
| 62 | B.Tech. Computer Science and Engineering | CS409 | Cryptography and Network Security | Y |
| 63 | B.Tech. Computer Science and Engineering | CS451 | Seminar & Project Preliminary | |
| 64 | B.Tech. Computer Science and Engineering | CS431 | Compiler Design Lab | Y |
| 65 | B.Tech. Computer Science and Engineering | CS461 | Computational Geometry | |
| 66 | B.Tech. Computer Science and Engineering | CS463 | Digital Image Processing | Y |
| 67 | B.Tech. Computer Science and Engineering | CS465 | Bio Informatics | |
| 68 | B.Tech. Computer Science and Engineering | CS467 | Machine Learning | Y |
| 69 | B.Tech. Computer Science and Engineering | CS469 | Computational complexity | |
| 70 | B.Tech. Computer Science and Engineering | CS402 | Data Mining and Ware Housing | Y |
| 71 | B.Tech. Computer Science and Engineering | CS404 | Embedded Systems | Y |
| 72 | B.Tech. Computer Science and Engineering | CS492 | Project | |
| 73 | B.Tech. Computer Science and Engineering | CS462 | Fuzzy Set Theory and Applications | |




PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady, Thiruvilwamala, Thirissur Dt
Pin 680 597 Kerala

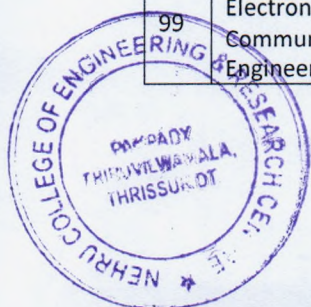
| | | | | |
|----|---|-------|---|---|
| 74 | B.Tech. Computer Science and Engineering | CS464 | Artificial Intelligence | Y |
| 75 | B.Tech. Computer Science and Engineering | CS466 | Data Science | |
| 76 | B.Tech. Computer Science and Engineering | CS468 | Cloud Computing | Y |
| 77 | B.Tech. Computer Science and Engineering | CS472 | Principles of Information Security | Y |
| 78 | B TECH Electronics & Communication Engineering | EC201 | NETWORK THEORY | Y |
| 79 | B TECH Electronics & Communication Engineering | EC203 | SOLID STATE DEVICES | Y |
| 80 | B TECH Electronics & Communication Engineering | EC205 | ELECTRONIC CIRCUITS | Y |
| 81 | B TECH Electronics & Communication Engineering | EC207 | LOGIC CIRCUIT DESIGN | Y |
| 82 | B TECH Electronics & Communication Engineering | MS210 | LIFE SKILLS | |
| 83 | B TECH Electronics & Communication Engineering | EC231 | ELECTRONIC DEVICES & CIRCUITS LAB | Y |
| 84 | B TECH Electronics & Communication Engineering | EC233 | ELECTRONIC DESIGN AUTOMATION LAB | |
| 85 | B TECH Electronics & Communication Engineering | MA204 | PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS | |
| 86 | B TECH Electronics & Communication Engineering | EC202 | SIGNALS & SYSTEMS | |

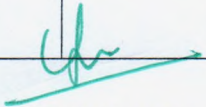


Handwritten signature in green ink.

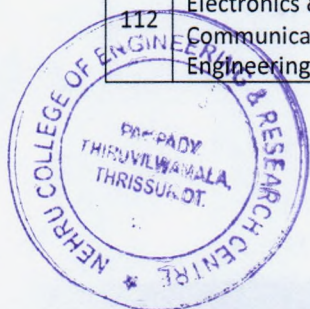
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady Thiruvilwamala, Thiruvananthapuram Dt,
Pin - 680 597 Kerala

| | | | | |
|----|---|--------|--|---|
| 87 | B TECH Electronics & Communication Engineering | EC204 | ANALOG INTEGRATED CIRCUITS | Y |
| 88 | B TECH Electronics & Communication Engineering | EC206 | COMPUTER ORGANIZATION | |
| 89 | B TECH Electronics & Communication Engineering | EC208 | ANALOG COMMUNICATION ENGINEERING | Y |
| 90 | B TECH Electronics & Communication Engineering | EC232 | ANALOG INTEGRATED CIRCUITS LAB | |
| 91 | B TECH Electronics & Communication Engineering | EC301 | DIGITAL SIGNAL PROCESSING | Y |
| 92 | B TECH Electronics & Communication Engineering | EC303 | APPLIED ELECTROMAGNETIC THEORY | Y |
| 93 | B TECH Electronics & Communication Engineering | EC305 | MICROPROCESSORS & MICROCONTROLLERS | Y |
| 94 | B TECH Electronics & Communication Engineering | EC307 | POWER ELECTRONICS & INSTRUMENTATION | Y |
| 95 | B TECH Electronics & Communication Engineering | EC361* | DIGITAL SYSTEM DESIGN | Y |
| 96 | B TECH Electronics & Communication Engineering | EC341 | DESIGN PROJECT | Y |
| 97 | B TECH Electronics & Communication Engineering | EC333 | DIGITAL SIGNAL PROCESSING LAB | |
| 98 | B TECH Electronics & Communication Engineering | EC335 | POWER ELECTRONICS & INSTRUMENTATION LAB | |
| 99 | B TECH Electronics & Communication Engineering | EC302 | DIGITAL COMMUNICATION | |



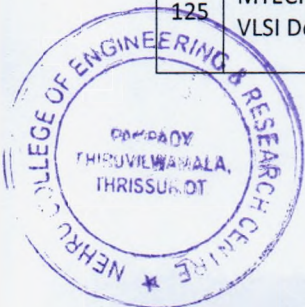

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady Thiruvilwamala, Thrikkur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|---|--------|--|---|
| 100 | B TECH Electronics & Communication Engineering | EC304 | VLSI | Y |
| 101 | B TECH Electronics & Communication Engineering | EC306 | ANTENNA & WAVE PROPAGATION | Y |
| 102 | B TECH Electronics & Communication Engineering | EC308 | EMBEDDED SYSTEMS | Y |
| 103 | B TECH Electronics & Communication Engineering | EC312 | OBJECT ORIENTED PROGRAMMING | |
| 104 | B TECH Electronics & Communication Engineering | EC268* | ROBOTICS | Y |
| 105 | B TECH Electronics & Communication Engineering | EC332 | COMMUNICATION ENGG LAB (ANALOG & DIGITAL) | |
| 106 | B TECH Electronics & Communication Engineering | EC334 | MICROCONTROLLER LAB | Y |
| 107 | B TECH Electronics & Communication Engineering | EC352 | COMPREHENSIVE EXAM | |
| 108 | B TECH Electronics & Communication Engineering | EC401 | INFORMATION THEORY & CODING | |
| 109 | B TECH Electronics & Communication Engineering | EC403 | MICROWAVE & RADAR ENGINEERIN | Y |
| 110 | B TECH Electronics & Communication Engineering | EC405 | OPTICAL COMMUNICATION | Y |
| 111 | B TECH Electronics & Communication Engineering | EC407 | COMPUTER COMMUNICATION | |
| 112 | B TECH Electronics & Communication Engineering | EC409 | CONTROL SYSTEMS | Y |



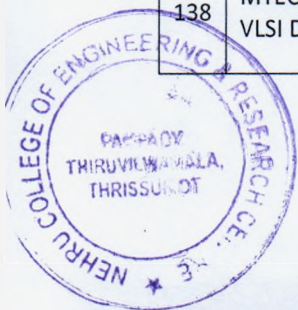
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pamapady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|-----|---|----------|--|---|
| 113 | B TECH Electronics & Communication Engineering | EC461# | MICROWAVE DEVICES AND CIRCUITS | Y |
| 114 | B TECH Electronics & Communication Engineering | EC451 | SEMINAR & PROJECT PRELIMINARY | |
| 115 | B TECH Electronics & Communication Engineering | EC431 | COMMUNICATION SYSTEMS LAB (OPTICAL & MICROWAVE) | Y |
| 116 | B TECH Electronics & Communication Engineering | EC402 | NANO ELECTRONICS | Y |
| 117 | B TECH Electronics & Communication Engineering | EC464# | LOW POWER VLSI DESIGN | Y |
| 118 | B TECH Electronics & Communication Engineering | MR482# | MECHATRONICS | |
| 119 | B TECH Electronics & Communication Engineering | EC492 | PROJECT | Y |
| 120 | MTECH VLSI VLSI Design | 08EC6311 | ADVANCED ENGG MATHEMATICS | |
| 121 | MTECH VLSI VLSI Design | 08EC6321 | CMOS VLSI DESIGN | Y |
| 122 | MTECH VLSI VLSI Design | 08EC6331 | ADVANCED DSD | Y |
| 123 | MTECH VLSI VLSI Design | 08EC6341 | VLSI FABRICATION TECHNOLOGY | Y |
| 124 | MTECH VLSI VLSI Design | 08EC6351 | DIGITAL INTEGRATED CIRCUITS | Y |
| 125 | MTECH VLSI VLSI Design | 08EC6001 | RESEARCH METHODOLOGY | |



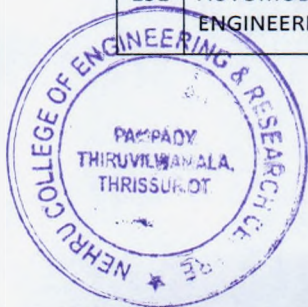

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|---------------------------|---------------|--|---|
| 126 | MTECH VLSI VLSI Design | 08EC6371 | SEMINAR | |
| 127 | MTECH VLSI VLSI Design | 08EC6381 | VLSI DESIGN LAB | Y |
| 128 | MTECH VLSI VLSI Design | 08 EC 6312 | ANALOG VLSI DESIGN | Y |
| 129 | MTECH VLSI VLSI Design | 08 EC 6322 | CAD OF VLSI CIRCUITS | Y |
| 130 | MTECH VLSI VLSI Design | 08 EC 6332 | TESTING & VERIFICATION OF VLSI CIRCUITS | Y |
| 131 | MTECH VLSI VLSI Design | 08 EC 6342(A) | LOW POWER VLSI DESIGN | Y |
| 132 | MTECH VLSI VLSI Design | 08 EC 6352(B) | SoC DESIGN & VERIFICATION | |
| 133 | MTECH VLSI VLSI Design | 08 EC 6362 | MINI PROJECT | Y |
| 134 | MTECH VLSI VLSI Design | 08 EC 6372 | TESTING & VERIFICATION OF VLSI LAB | Y |
| 135 | MTECH VLSI VLSI Design | 08EC7313 | FPGA ARCHITECTURE | Y |
| 136 | MTECH VLSI VLSI Design | 08EC7323 | SYSTEM VERILOG | Y |
| 137 | MTECH VLSI VLSI Design | 08EC7333 | SEMINAR | |
| 138 | MTECH VLSI VLSI Design | 08EC7343 | PROJECT PHASE 1 | Y |



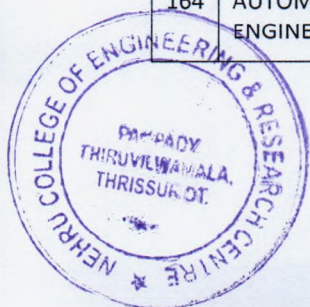
[Signature]
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dist.
Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------|--------------------------------------|---|
| 139 | MTECH VLSI VLSI Design | 08EC7314 | PROJECT PHASE II | Y |
| 140 | BTECH AUTOMOBILE ENGINEERING | MA 201 | Linear Algebra & Complex Analysis | |
| 141 | BTECH AUTOMOBILE ENGINEERING | ME201 | Mechanics of Solids | |
| 142 | BTECH AUTOMOBILE ENGINEERING | AU201 | S I Engines & Combustion | Y |
| 143 | BTECH AUTOMOBILE ENGINEERING | AU203 | Auto Chassis | Y |
| 144 | BTECH AUTOMOBILE ENGINEERING | ME230 | Fluid Mechanics & Machines Lab | |
| 145 | BTECH AUTOMOBILE ENGINEERING | CE230 | Material Testing Lab | |
| 146 | BTECH AUTOMOBILE ENGINEERING | AU202 | Advanced Thermodynamics | |
| 147 | BTECH AUTOMOBILE ENGINEERING | AU204 | C I Engines & Combustion | Y |
| 148 | BTECH AUTOMOBILE ENGINEERING | AU206 | Auto Transmission | Y |
| 149 | BTECH AUTOMOBILE ENGINEERING | AU208 | Computer Programming | |
| 150 | BTECH AUTOMOBILE ENGINEERING | AU232 | Computer Programming Lab | |
| 151 | BTECH AUTOMOBILE ENGINEERING | AU234 | Vehicle Systems Lab | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

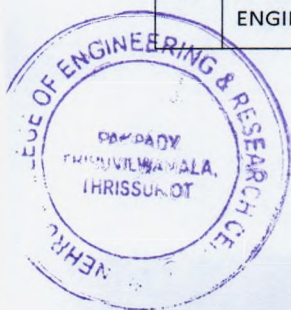
| | | | | |
|-----|------------------------------------|-------|---|---|
| 152 | BTECH AUTOMOBILE ENGINEERING | ME307 | Machine Design-I | |
| 153 | BTECH AUTOMOBILE ENGINEERING | ME309 | Metallurgy & Material Science | |
| 154 | BTECH AUTOMOBILE ENGINEERING | ME311 | Manufacturing Processes | |
| 155 | BTECH AUTOMOBILE ENGINEERING | EE311 | Electrical Drives and Control for Automation | |
| 156 | BTECH AUTOMOBILE ENGINEERING | AU307 | Vehicle Body Engineering | Y |
| 157 | BTECH AUTOMOBILE ENGINEERING | AU361 | Alternative Fuels and Energy Sources | |
| 158 | BTECH AUTOMOBILE ENGINEERING | AU363 | Plastics & Composites in Automobile | |
| 159 | BTECH AUTOMOBILE ENGINEERING | AU365 | Automotive Pollution and Testing | |
| 160 | BTECH AUTOMOBILE ENGINEERING | ME369 | Tribology | |
| 161 | BTECH AUTOMOBILE ENGINEERING | AU341 | Design Project | |
| 162 | BTECH AUTOMOBILE ENGINEERING | ME333 | Heat Engines Lab | |
| 163 | BTECH AUTOMOBILE ENGINEERING | ME335 | Production Engineering Lab | |
| 164 | BTECH AUTOMOBILE ENGINEERING | ME302 | Heat & Mass Transfer | |



Handwritten signature

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|-------|--|---|
| 165 | BTECH AUTOMOBILE ENGINEERING | ME304 | Dynamics of Machinery | |
| 166 | BTECH AUTOMOBILE ENGINEERING | ME314 | Machine Design-II | |
| 167 | BTECH AUTOMOBILE ENGINEERING | AU302 | Automotive Electrical and Electronics | |
| 168 | BTECH AUTOMOBILE ENGINEERING | AU362 | Hybrid and Fuel Cell Vehicles | |
| 169 | BTECH AUTOMOBILE ENGINEERING | AU364 | Vehicle Performance & Testing | Y |
| 170 | BTECH AUTOMOBILE ENGINEERING | AU366 | Vehicle Aerodynamics | |
| 171 | BTECH AUTOMOBILE ENGINEERING | ME368 | Marketing Management | |
| 172 | BTECH AUTOMOBILE ENGINEERING | ME374 | Theory of Vibration | |
| 173 | BTECH AUTOMOBILE ENGINEERING | ME332 | Computer Aided Design & Analysis Lab | |
| 174 | BTECH AUTOMOBILE ENGINEERING | AU332 | Auto Electrical & Electronics Lab | |
| 175 | BTECH AUTOMOBILE ENGINEERING | AU352 | Comprehensive Exam | |
| 176 | BTECH AUTOMOBILE ENGINEERING | AU401 | Automotive System Design | |
| 177 | BTECH AUTOMOBILE ENGINEERING | AU403 | Vehicle Dynamics | Y |



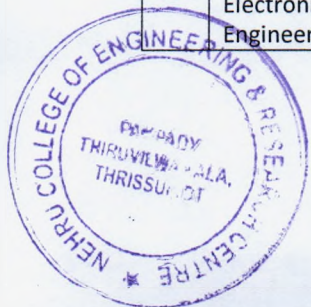

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|------------------------------------|-------|---|---|
| 178 | BTECH AUTOMOBILE ENGINEERING | AU405 | Automotive Refrigeration & Air Conditioning | |
| 179 | BTECH AUTOMOBILE ENGINEERING | AU407 | Advanced I C Engines | Y |
| 180 | BTECH AUTOMOBILE ENGINEERING | AU409 | Simulation & Analysis of IC Engine Processes | Y |
| 181 | BTECH AUTOMOBILE ENGINEERING | AU461 | Automotive Comfort & Safety Engineering | |
| 182 | BTECH AUTOMOBILE ENGINEERING | AU463 | Operation Management in Auto Industry | |
| 183 | BTECH AUTOMOBILE ENGINEERING | AU465 | Product Design & Life Cycle Management | |
| 184 | BTECH AUTOMOBILE ENGINEERING | AU410 | Vehicle Transport & Fleet Management | Y |
| 185 | BTECH AUTOMOBILE ENGINEERING | AU451 | Seminar & Project Preliminary | |
| 186 | BTECH AUTOMOBILE ENGINEERING | AU431 | Autotronics Lab | |
| 187 | BTECH AUTOMOBILE ENGINEERING | AU402 | Two and Three Wheelers | Y |
| 188 | BTECH AUTOMOBILE ENGINEERING | AU404 | Engine & Vehicle Management Systems | Y |
| 189 | BTECH AUTOMOBILE ENGINEERING | AU462 | Vehicle Maintenance | Y |
| 190 | BTECH AUTOMOBILE ENGINEERING | AU464 | Special Type of Vehicles | |



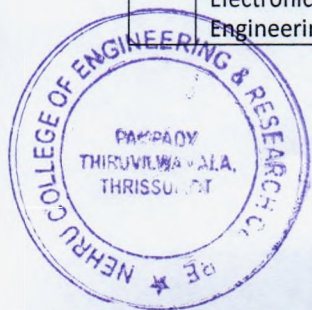

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|--|-------|--|---|
| 191 | BTECH AUTOMOBILE ENGINEERING | AU466 | Automobile Manufacturing Technology | |
| 192 | BTECH AUTOMOBILE ENGINEERING | AU468 | AGV and Autonomous Vehicles | |
| 193 | BTECH AUTOMOBILE ENGINEERING | AU472 | Metrology and Instrumentation | |
| 194 | B Tech., Electrical and Electronics Engineering | | U100 Language lab/ Bridge courses/ Remedial programmes/Micro Projects etc | |
| 195 | B Tech., Electrical and Electronics Engineering | | V100 Entrepreneurship/TBI/NCC/NSS/ Physical Edn. etc | |
| 196 | B Tech., Electrical and Electronics Engineering | EE201 | Circuits and, Networks | Y |
| 197 | B Tech., Electrical and Electronics Engineering | EE203 | Analogue Electronic Circuits | Y |
| 198 | B Tech., Electrical and Electronics Engineering | EE205 | DC Machines and Transformers | Y |
| 199 | B Tech., Electrical and Electronics Engineering | EE207 | Computer Programming | Y |
| 200 | B Tech., Electrical and Electronics Engineering | EE231 | Electronic Circuits Lab | |
| 201 | B Tech., Electrical and Electronics Engineering | EE233 | Programming Lab | |
| 202 | B Tech., Electrical and Electronics Engineering | EE202 | Synchronous and Induction Machines | |
| 203 | B Tech., Electrical and Electronics Engineering | EE204 | Digital Electronics and Logic Design | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur District
 Pin 680 597 Kerala

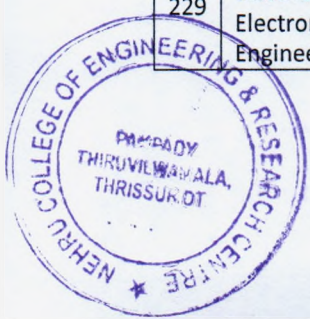
| | | | | |
|-----|--|-------|--|---|
| 204 | B Tech., Electrical and Electronics Engineering | EE206 | Material Science | |
| 205 | B Tech., Electrical and Electronics Engineering | EE208 | Measurements and | |
| 206 | B Tech., Electrical and Electronics Engineering | | Instrumentation | |
| 207 | B Tech., Electrical and Electronics Engineering | EE232 | Electrical Machines Lab I | |
| 208 | B Tech., Electrical and Electronics Engineering | EE234 | Circuits and Measurements Lab | |
| 209 | B Tech., Electrical and Electronics Engineering | EE301 | Power Generation, Transmission and Protection | Y |
| 210 | B Tech., Electrical and Electronics Engineering | EE303 | Linear Control Systems | Y |
| 211 | B Tech., Electrical and Electronics Engineering | EE305 | Power Electronics | Y |
| 212 | B Tech., Electrical and Electronics Engineering | EE307 | Signals and Systems | Y |
| 213 | B Tech., Electrical and Electronics Engineering | EE309 | Microprocessor and Embedded Systems | |
| 214 | B Tech., Electrical and Electronics Engineering | EE363 | Computer Organization and Architecture | |
| 215 | B Tech., Electrical and Electronics Engineering | EE365 | Digital System Design | |
| 216 | B Tech., Electrical and Electronics Engineering | EE367 | New and Renewable Energy Systems | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

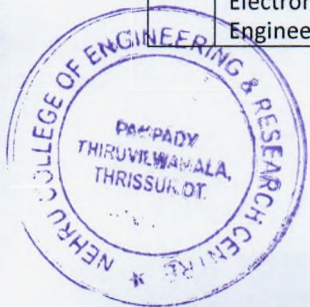
| | | | | |
|-----|--|-------|--|---|
| 217 | B Tech., Electrical and Electronics Engineering | EE369 | High Voltage Engineering | |
| 218 | B Tech., Electrical and Electronics Engineering | EE361 | Object Oriented Programming | |
| 219 | B Tech., Electrical and Electronics Engineering | EE341 | Design Project | |
| 220 | B Tech., Electrical and Electronics Engineering | EE331 | Digital Circuits and Embedded Systems Lab | |
| 221 | B Tech., Electrical and Electronics Engineering | EE333 | Electrical Machines Lab II | |
| 222 | B Tech., Electrical and Electronics Engineering | EE302 | Electromagnetics | Y |
| 223 | B Tech., Electrical and Electronics Engineering | EE304 | Advanced Control Theory | Y |
| 224 | B Tech., Electrical and Electronics Engineering | EE306 | Power System Analysis | Y |
| 225 | B Tech., Electrical and Electronics Engineering | EE308 | Electric Drives | Y |
| 226 | B Tech., Electrical and Electronics Engineering | EE362 | Data Structures and Algorithms | |
| 227 | B Tech., Electrical and Electronics Engineering | EE364 | Switched Mode Power Converters | |
| 228 | B Tech., Electrical and Electronics Engineering | EE366 | Illumination Technology | |
| 229 | B Tech., Electrical and Electronics Engineering | EE368 | Soft Computing | |


Ch



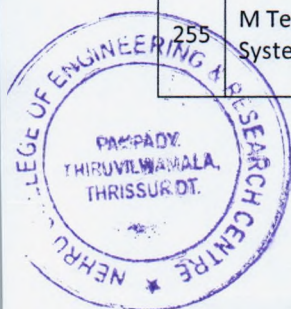
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pam-pady, Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

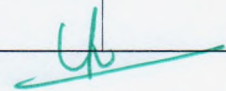
| | | | | |
|-----|--|-------|---|---|
| 230 | B Tech., Electrical and Electronics Engineering | EE372 | Biomedical Instrumentation | |
| 231 | B Tech., Electrical and Electronics Engineering | EE332 | Systems and Control Lab | |
| 232 | B Tech., Electrical and Electronics Engineering | EE334 | Power Electronics and Drives Lab | |
| 233 | B Tech., Electrical and Electronics Engineering | EE352 | Comprehensive Exam | |
| 234 | B Tech., Electrical and Electronics Engineering | EE401 | Electronic communication | |
| 235 | B Tech., Electrical and Electronics Engineering | EE403 | Distributed generation and smart grids | Y |
| 236 | B Tech., Electrical and Electronics Engineering | EE405 | Electrical system design | Y |
| 237 | B Tech., Electrical and Electronics Engineering | EE407 | Digital Signal Processing | Y |
| 238 | B Tech., Electrical and Electronics Engineering | EE409 | Electrical Machine Design | Y |
| 239 | B Tech., Electrical and Electronics Engineering | EE461 | Modern Operating Systems | |
| 240 | B Tech., Electrical and Electronics Engineering | EE463 | Computer Aided Power Systems Analysis | |
| 241 | B Tech., Electrical and Electronics Engineering | EE465 | Power Quality | |
| 242 | B Tech., Electrical and Electronics Engineering | EE467 | Nonlinear Control Systems | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

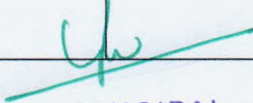
| | | | | |
|-----|--|----------|--|---|
| 243 | B Tech., Electrical and Electronics Engineering | EE469 | Electric and Hybrid Vehicles | |
| 244 | B Tech., Electrical and Electronics Engineering | EE451 | Seminar & Project Preliminary | |
| 245 | B Tech., Electrical and Electronics Engineering | EE431 | Power system Lab | |
| 246 | B Tech., Electrical and Electronics Engineering | EE402 | Special Electric Machines | Y |
| 247 | B Tech., Electrical and Electronics Engineering | EE404 | Industrial Instrumentation & Automation | |
| 248 | B Tech., Electrical and Electronics Engineering | EE462 | Design of Digital Control Systems | |
| 249 | B Tech., Electrical and Electronics Engineering | EE464 | FACTS | |
| 250 | B Tech., Electrical and Electronics Engineering | EE466 | Digital Image Processing | |
| 251 | B Tech., Electrical and Electronics Engineering | EE468 | Computer Networks | |
| 252 | B Tech., Electrical and Electronics Engineering | EE472 | Internet of Things | |
| 253 | B Tech., Electrical and Electronics Engineering | EE474 | Energy Management and Auditing | |
| 254 | M Tech., Energy Systems | 08EE6011 | Applied Mathematics | |
| 255 | M Tech., Energy Systems | 08EE6021 | Advanced Energy Conversion Systems | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala Thrissur Dt
 Pin - 680 597 Kerala

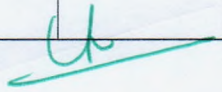
| | | | | |
|-----|-------------------------|--------------|--|--|
| 256 | M Tech., Energy Systems | 08EE6031 | Renewable Energy Technology | |
| 257 | M Tech., Energy Systems | 08EE6041 | Electrical Energy Systems and Management | |
| 258 | M Tech., Energy Systems | 08EE6051(A): | Energy Policies for Sustainable Development | |
| 259 | M Tech., Energy Systems | 08EE6051(B): | Energy Modelling, Economics and Project Management | |
| 260 | M Tech., Energy Systems | 08EE6051(C): | Advanced Instrumentation | |
| 261 | M Tech., Energy Systems | 08GN6001 | Research Methodology | |
| 262 | M Tech., Energy Systems | 08EE6071 | Seminar | |
| 263 | M Tech., Energy Systems | 08EE6081 | Energy Systems Lab | |
| 264 | M Tech., Energy Systems | 08EE6012 | Design and Analysis of Energy | |
| 265 | M Tech., Energy Systems | | Systems | |
| 266 | M Tech., Energy Systems | 08EE6022 | Energy Conservation in Thermal Systems | |
| 267 | M Tech., Energy Systems | 08EE6032 | Energy and Environment | |
| 268 | M Tech., Energy Systems | 08EE6042(A): | Hydro Power Systems | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|-----|-------------------------|---------------|---------------------------------------|---|
| 269 | M Tech., Energy Systems | 08EE6042(B): | Optimization Techniques | |
| 270 | M Tech., Energy Systems | 08EE6042(C): | Computational Fluid Dynamics | |
| 271 | M Tech., Energy Systems | 08EE6052(A): | Wind Energy and its Utilization | |
| 272 | M Tech., Energy Systems | 08EE6052(B): | Advanced Solar Thermal and PV Systems | |
| 273 | M Tech., Energy Systems | 08EE6052(C): | Emerging Refrigeration Technologies | |
| 274 | M Tech., Energy Systems | 08EE6062 | Mini Project | |
| 275 | M Tech., Energy Systems | 08EE6072 | Power Electronics Lab | |
| 276 | M Tech., Energy Systems | 08EE7013(A) : | Cryogenic Engineering | |
| 277 | M Tech., Energy Systems | 08EE7013(B) : | Theory of Combustion | |
| 278 | M Tech., Energy Systems | 08EE7013(C) : | Energy Efficient Buildings | Y |
| 279 | M Tech., Energy Systems | 08EE7023(A) : | Optimal Design of Heat Exchangers | |
| 280 | M Tech., Energy Systems | 08EE7023(B) : | Soft Computing Techniques | |
| 281 | M Tech., Energy Systems | 08EE7023(C) : | Nanomaterials and Nanotechnology | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady Thiruvilwamala, Thrikkur Dt
 Pin. 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------|--|---|
| 282 | M Tech., Energy Systems | 08EE7033 | Seminar | |
| 283 | M Tech., Energy Systems | 08EE7043 | Research Project Phase- I | |
| 284 | Masters in Business Administration | 11 | QT – Quantitative Methods for Management | Y |
| 285 | Masters in Business Administration | 12 | OB 1– Organizational Behaviour | |
| 286 | Masters in Business Administration | 13 | ME – Managerial Economics | Y |
| 287 | Masters in Business Administration | 14 | BC – Business Communication | |
| 288 | Masters in Business Administration | 15 | ACC – Accounting for Managers | Y |
| 289 | Masters in Business Administration | 16 | B&S – Business and Society | |
| 290 | Masters in Business Administration | 17 | MS 1- Managerial Skill | |
| 291 | Masters in Business Administration | 21 | OB II- Organizational Behavior II | Y |
| 292 | Masters in Business Administration | 22 | BE-Business Environment | |
| 293 | Masters in Business Administration | 23 | MM I – Marketing Management I | Y |
| 294 | Masters in Business Administration | 24 | OM-Operation Management | |



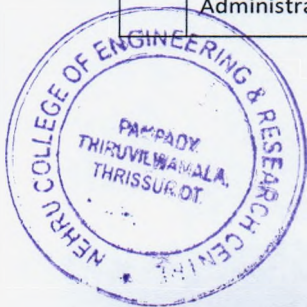

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|----|-------------------------------|---|
| 295 | Masters in Business Administration | 25 | FM I-Financial Management | Y |
| 296 | Masters in Business Administration | 26 | BL – Business Law | |
| 297 | Masters in Business Administration | 27 | MS II- Managerial Skill | |
| 298 | Masters in Business Administration | 31 | Marketing Management II | Y |
| 299 | Masters in Business Administration | 32 | Financial Management II | |
| 300 | Masters in Business Administration | 33 | Human Resource Management | |
| 301 | Masters in Business Administration | 34 | Business Research Methods | |
| 302 | Masters in Business Administration | 35 | Management Information System | |
| 303 | Masters in Business Administration | 36 | Operation Research | Y |
| 304 | Masters in Business Administration | 37 | Strategic Management | |
| 305 | Masters in Business Administration | 38 | Managerial Skills III | |
| 306 | Masters in Business Administration | 41 | IB-International Business | y |
| 307 | Masters in Business Administration | 42 | BA-Business Analytics | Y |



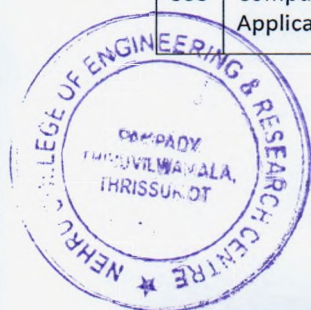

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

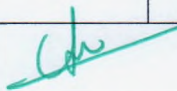
| | | | | |
|-----|------------------------------------|-----------|--|---|
| 308 | Masters in Business Administration | FIN-T4-1 | FM&S-Financial market and Services | |
| 309 | Masters in Business Administration | HRT402 | OCD | |
| 310 | Masters in Business Administration | FIN-T4-4 | CBS-Commercial Banking System | |
| 311 | Masters in Business Administration | HR-T4-1 | T&D-Training and Development | Y |
| 312 | Masters in Business Administration | MKTT402 | Consumer behaviour | |
| 313 | Masters in Business Administration | OM-T4-6 | LM-Logistics and Material Handling | |
| 314 | Masters in Business Administration | HRT404 | MSO | |
| 315 | Masters in Business Administration | FINT406 | Financial statement analysis | |
| 316 | Masters in Business Administration | 51 | ESHIP-Entrepreneurship | |
| 317 | Masters in Business Administration | 52 | BE-Business Ethics& Corporate Governance | Y |
| 318 | Masters in Business Administration | FIN-T5-8/ | SAPM—Security Analysis and Portfolio Management/ | |
| 319 | Masters in Business Administration | OMt511 | Green logistics and supply chain | |
| 320 | Masters in Business Administration | HRT508 | Compensation management | Y |



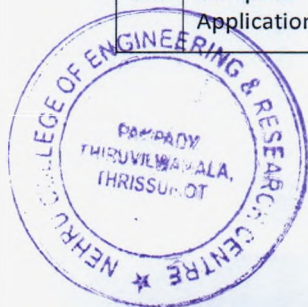

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

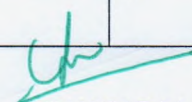
| | | | | |
|-----|------------------------------------|-----------|---|---|
| 321 | Masters in Business Administration | OM-T5-7 | HCM-Health Care Management | |
| 322 | Masters in Business Administration | MKTT508 | Brand Management | |
| 323 | Masters in Business Administration | OM-T5-10 | IMPD-Innovation Management and New Product Development/ | |
| 324 | Masters in Business Administration | MKT-T510/ | Integrated Marketing Communications / | |
| 325 | Masters in Business Administration | MKTT511 | customer relationship management | |
| 326 | Masters in Business Administration | 61 | CCM-Cross cultural Management | |
| 327 | Masters in Business Administration | HR-T6-14/ | HRA-Human Resource Analytics/ | |
| 328 | Masters in Business Administration | FIN-T6-13 | IM-Insurance Management | |
| 329 | Masters in Business Administration | OM-T6-13 | Business Sustainability | |
| 330 | Masters in Business Administration | MKT-T6-14 | B2B-Business to Business Marketing | |
| 331 | Masters in Computer Applications | RLMCA101 | Problem Solving and Computer Programming | |
| 332 | Masters in Computer Applications | RLMCA103 | Discrete Mathematics | |
| 333 | Masters in Computer Applications | RLMCA105 | Applied Probability and Statistics | Y |



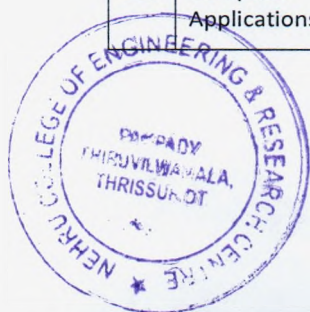

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thirissur Dt.
 Pin - 680 597 Kerala

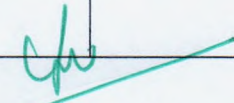
| | | | | |
|-----|----------------------------------|----------|--|---|
| 334 | Masters in Computer Applications | RLMCA107 | Principles of Management | |
| 335 | Masters in Computer Applications | RLMCA109 | Digital Fundamentals | |
| 336 | Masters in Computer Applications | RLMCA131 | Programming Lab | Y |
| 337 | Masters in Computer Applications | RLMCA133 | Applied Statistics Lab | |
| 338 | Masters in Computer Applications | RLMCA102 | Object Oriented Programming | y |
| 339 | Masters in Computer Applications | RLMCA104 | Data Structures | Y |
| 340 | Masters in Computer Applications | RLMCA106 | Operating Systems | Y |
| 341 | Masters in Computer Applications | RLMCA108 | Operations Research | |
| 342 | Masters in Computer Applications | RLMCA112 | Computer Organization and Architecture | |
| 343 | Masters in Computer Applications | RLMCA132 | Object Oriented Programming Lab | |
| 344 | Masters in Computer Applications | RLMCA134 | Data Structures Lab | |
| 345 | Masters in Computer Applications | RLMCA201 | Computer Networks | Y |
| 346 | Masters in Computer Applications | RLMCA203 | Software Engineering | Y |



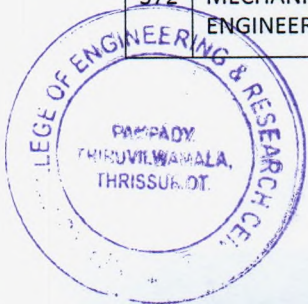

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 507 Kerala

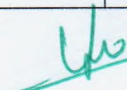
| | | | | |
|-----|----------------------------------|----------|--|---|
| 347 | Masters in Computer Applications | RLMCA205 | Database Management Systems | Y |
| 348 | Masters in Computer Applications | RLMCA207 | Design and Analysis of Algorithms | |
| 349 | Masters in Computer Applications | RLMCA209 | Web Programming | Y |
| 350 | Masters in Computer Applications | RLMCA231 | Database Lab | |
| 351 | Masters in Computer Applications | RLMCA233 | Web Programming Lab | |
| 352 | Masters in Computer Applications | RLMCA202 | Application Development and Maintenance | |
| 353 | Masters in Computer Applications | RLMCA204 | Bigdata Technologies | Y |
| 354 | Masters in Computer Applications | RLMCA206 | Mobile Computing | Y |
| 355 | Masters in Computer Applications | RLMCA208 | Introduction to Machine Learning | Y |
| 356 | Masters in Computer Applications | RLMCA274 | Business Intelligence and its Applications | |
| 357 | Masters in Computer Applications | RLMCA232 | System Design Lab | |
| 358 | Masters in Computer Applications | RLMCA234 | Mobile Application Development Lab | |
| 359 | Masters in Computer Applications | RLMCA301 | Web Data Mining | |



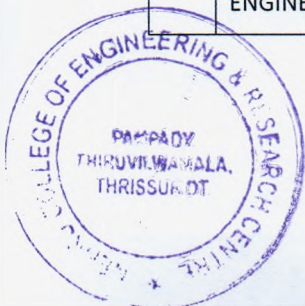

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Campady Thiruvilwamala, Thrissur Dt.
 Pin: 680 397 Kerala

| | | | | |
|-----|----------------------------------|------------|--------------------------------------|---|
| 360 | Masters in Computer Applications | RLMCA303 | E-Commerce | Y |
| 361 | Masters in Computer Applications | RLMCA305 | Cryptography and Cyber Security | Y |
| 362 | Masters in Computer Applications | RLMCA371 | Social Network Analysis | Y |
| 363 | Masters in Computer Applications | RLMCA381 | Cloud Computing | Y |
| 364 | Masters in Computer Applications | RLMCA341 | Seminar | |
| 365 | Masters in Computer Applications | RLMCA351 | Mini Project | |
| 366 | Masters in Computer Applications | MCA 10 601 | Project | |
| 367 | BTECH MECHANICAL ENGINEERING | ME 201 | Mechanics of Solids | Y |
| 368 | BTECH MECHANICAL ENGINEERING | ME 203 | Mechanics of Fluids | Y |
| 369 | BTECH MECHANICAL ENGINEERING | ME 205 | Thermodynamics | Y |
| 370 | BTECH MECHANICAL ENGINEERING | ME 210 | Metallurgy and Materials Engineering | Y |
| 371 | BTECH MECHANICAL ENGINEERING | ME 231 | Computer Aided Machine Drawing lab | Y |
| 372 | BTECH MECHANICAL ENGINEERING | CE 230 | Material Testing Lab | Y |



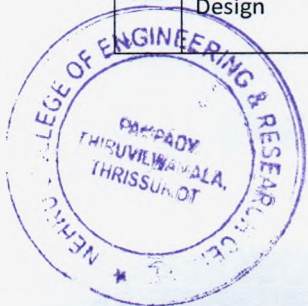

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampadu, Thiruvilwamala, Thirissur Dt.
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|--------|---|---|
| 373 | BTECH MECHANICAL ENGINEERING | ME 301 | Mechanics of Machinery | Y |
| 374 | BTECH MECHANICAL ENGINEERING | ME 303 | Machine Tools and Digital Manufacturing | Y |
| 375 | BTECH MECHANICAL ENGINEERING | ME 305 | Computer Programming & Numerical Methods | |
| 376 | BTECH MECHANICAL ENGINEERING | EE 311 | Electrical Drives & Control for Automation | |
| 377 | BTECH MECHANICAL ENGINEERING | ME373 | Human Relations Management | |
| 378 | BTECH MECHANICAL ENGINEERING | ME 341 | Design Project | Y |
| 379 | BTECH MECHANICAL ENGINEERING | EE 335 | Electrical and Electronics Lab | |
| 380 | BTECH MECHANICAL ENGINEERING | ME 331 | Manufacturing Technology Lab I | Y |
| 381 | BTECH MECHANICAL ENGINEERING | ME365 | Advanced Metal Casting | |
| 382 | BTECH MECHANICAL ENGINEERING | ME367 | Non-Destructive Testing | |
| 383 | BTECH MECHANICAL ENGINEERING | ME 401 | Design of Machine Elements | Y |
| 384 | BTECH MECHANICAL ENGINEERING | ME 403 | Advanced Energy Engineering | |
| 385 | BTECH MECHANICAL ENGINEERING | ME 405 | Refrigeration and Air- Conditioning | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

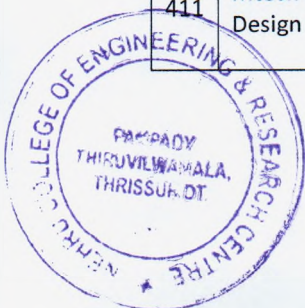
| | | | | |
|-----|------------------------------------|-----------|---------------------------------------|---|
| 386 | BTECH MECHANICAL ENGINEERING | ME 407 | Mechatronics | |
| 387 | BTECH MECHANICAL ENGINEERING | ME 409 | Compressible fluid flow | |
| 388 | BTECH MECHANICAL ENGINEERING | ME463 | Automobile Engg | |
| 389 | BTECH MECHANICAL ENGINEERING | ME 451 | Seminar | |
| 390 | BTECH MECHANICAL ENGINEERING | ME 431 | Mechanical Engineering Lab/Project | |
| 391 | BTECH MECHANICAL ENGINEERING | ME 306 | Supply chain management | |
| 392 | BTECH MECHANICAL ENGINEERING | ME 467 | Cryogenic Engineering | |
| 393 | Mtech Machine Design | ME08 6001 | Research Methodology | Y |
| 394 | Mtech Machine Design | ME08 6011 | Advanced Engineering Mathematics | |
| 395 | Mtech Machine Design | ME08 6021 | Advanced Mechanics of Solids | Y |
| 396 | Mtech Machine Design | ME08 6031 | Theory of Vibrations | Y |
| 397 | Mtech Machine Design | ME08 6041 | Design Engineering | Y |
| 398 | Mtech Machine Design | ME08 6051 | Advanced Mechatronics Systems | |



Handwritten signature in blue ink.

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pamapady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|-----|----------------------|-------------|---|---|
| 399 | Mtech Machine Design | ME08 6071 | Seminar | |
| 400 | Mtech Machine Design | ME08 6081 | Advanced Measurement Lab | |
| 401 | Mtech Machine Design | ME08 7013 A | Fracture Mechanics | |
| 402 | Mtech Machine Design | ME08 7023 C | Computer Integrated Manufacturing | |
| 403 | Mtech Machine Design | ME08 7033 | Seminar II | |
| 404 | Mtech Machine Design | ME08 7043 | Project | |
| 405 | Mtech Machine Design | 08ME6012 | Advanced Machine design | Y |
| 406 | Mtech Machine Design | 08ME6022 | Advanced Mechanisms Design and Simulation | Y |
| 407 | Mtech Machine Design | 08ME6032 | Advanced FEA | Y |
| 408 | Mtech Machine Design | 08ME6042(A) | Composite Materials | Y |
| 409 | Mtech Machine Design | 08ME6052(A) | Optimization Techniques in Design | |
| 410 | Mtech Machine Design | 08ME6062 | Mini Project | |
| 411 | Mtech Machine Design | 08ME6072 | CAD Lab | Y |

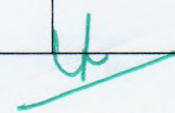


Ch

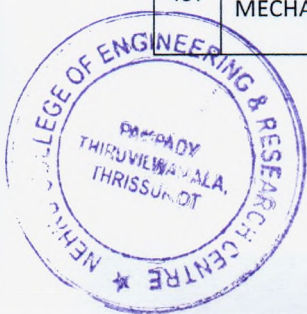
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampany, Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

| | | | | |
|-----|----------------------|----------|--|--|
| 412 | Mtech Machine Design | 08ME7014 | Project (Phase II) | |
| 413 | B Tech-MECHATRONICS | MR201 | C Programming | |
| 414 | B Tech-MECHATRONICS | EE209 | Electrical Technology | |
| 415 | B Tech-MECHATRONICS | EC209 | Analog Electronics | |
| 416 | B Tech-MECHATRONICS | MR205 | Science of Measurements | |
| 417 | B Tech-MECHATRONICS | EE235 | Electrical Technology Lab | |
| 418 | B Tech-MECHATRONICS | EE235 | Analog Electronics Lab | |
| 419 | B Tech-MECHATRONICS | EC212 | Linear Integrated Circuits and Digital Electronics | |
| 420 | B Tech-MECHATRONICS | ME200 | Fluid Mechanics & Machinery | |
| 421 | B Tech-MECHATRONICS | MR202 | Sensors and Actuators | |
| 422 | B Tech-MECHATRONICS | MR202 | Metallurgy and Materials Engineering | |
| 423 | B Tech-MECHATRONICS | EC234 | Linear Integrated Circuits and Digital Electronics Lab | |
| 424 | B Tech-MECHATRONICS | MR301 | Linear Control Systems | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|-------------------------|-------|--|--|
| 425 | B Tech- MECHATRONICS | MR303 | Microprocessors and Microcontrollers | |
| 426 | B Tech- MECHATRONICS | MR305 | PLC and Data Acquisition Systems | |
| 427 | B Tech- MECHATRONICS | MR307 | Thermodynamics | |
| 428 | B Tech- MECHATRONICS | ME220 | Manufacturing Technology | |
| 429 | B Tech- MECHATRONICS | | Elective 1 | |
| 430 | B Tech- MECHATRONICS | ME220 | Design Project | |
| 431 | B Tech- MECHATRONICS | MR331 | Microprocessors and Microcontrollers Lab | |
| 432 | B Tech- MECHATRONICS | MR333 | Metrology and PLC Lab | |
| 433 | B Tech- MECHATRONICS | MR361 | Reliability Engineering | |
| 434 | B Tech- MECHATRONICS | MR363 | Object Oriented Programming | |
| 435 | B Tech- MECHATRONICS | MR365 | Composite Materials | |
| 436 | B Tech- MECHATRONICS | MR302 | Robotics Engineering | |
| 437 | B Tech- MECHATRONICS | MR304 | Digital Image Processing and Machine Vision | |



[Handwritten Signature]

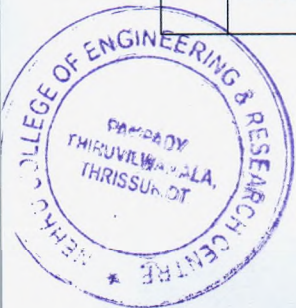
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pamapady Thiruvilwamala, Thiruvananthapuram
Pin 680 597 Kerala

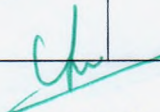
| | | | | |
|-----|-------------------------|-------|----------------------------------|--|
| 438 | B Tech- MECHATRONICS | MR306 | Mechanics of Solids | |
| 439 | B Tech- MECHATRONICS | MR308 | Digital Manufacturing | |
| 440 | B Tech- MECHATRONICS | MR332 | Manufacturing Engineering Lab | |
| 441 | B Tech- MECHATRONICS | MR334 | Advanced Instrumentation Lab | |
| 442 | B Tech- MECHATRONICS | MR352 | Comprehensive Exam | |
| 443 | B Tech- MECHATRONICS | MR362 | Digital Signal Processing | |
| 444 | B Tech- MECHATRONICS | MR364 | Energy Engineering Management | |
| 445 | B Tech- MECHATRONICS | MR366 | Biomaterials | |
| 446 | B Tech- MECHATRONICS | AE403 | Biomedical Instrumentation | |
| 447 | B Tech- MECHATRONICS | MR401 | Advanced Automation Systems | |
| 448 | B Tech- MECHATRONICS | MR403 | Nanotechnology | |
| 449 | B Tech- MECHATRONICS | MR405 | Embedded Systems | |
| 450 | B Tech- MECHATRONICS | MR407 | Autotronics | |



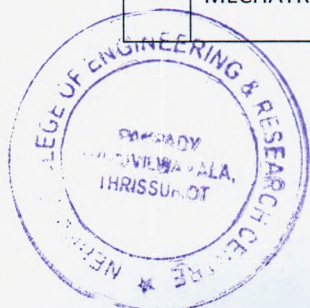

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

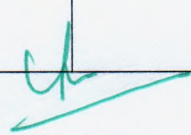
| | | | | |
|-----|-------------------------|-------|--|--|
| 451 | B Tech- MECHATRONICS | MR409 | Micro Electro Mechanical Systems | |
| 452 | B Tech- MECHATRONICS | MR451 | Seminar & Project Preliminary | |
| 453 | B Tech- MECHATRONICS | MR431 | Mechatronics Lab | |
| 454 | B Tech- MECHATRONICS | MR461 | Fuzzy Logic Controllers | |
| 455 | B Tech- MECHATRONICS | MR463 | Bio Mechatronics | |
| 456 | B Tech- MECHATRONICS | MR465 | Entrepreneurship | |
| 457 | B Tech- MECHATRONICS | ME469 | Finite Element Analysis | |
| 458 | B Tech- MECHATRONICS | MR402 | Soft Computing Techniques | |
| 459 | B Tech- MECHATRONICS | MR404 | Power Electronics and Drives | |
| 460 | B Tech- MECHATRONICS | | Elective 4 | |
| 461 | B Tech- MECHATRONICS | | Elective 5 | |
| 462 | B Tech- MECHATRONICS | MR492 | Project | |
| 463 | B Tech- MECHATRONICS | MR462 | Industrial Electronics and Applications | |



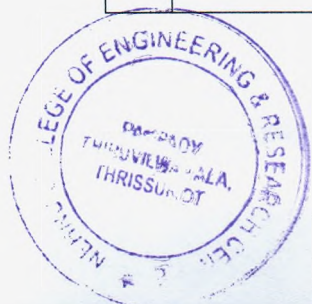

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panapady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|-------------------------|--------|--|--|
| 464 | B Tech- MECHATRONICS | MR464 | Agile Manufacturing Systems | |
| 465 | B Tech- MECHATRONICS | MR466 | Special Electrical Machines and Applications | |
| 466 | B Tech- MECHATRONICS | MR468 | Research Methodology | |
| 467 | B Tech- MECHATRONICS | AO482 | FLIGHT AGAIST GRAVITY | |
| 468 | B Tech- MECHATRONICS | AE482 | INDUSTRIAL INSTRUMENTATION | |
| 469 | B Tech- MECHATRONICS | AE484 | INSTRUMENTATION SYSTEM DESIGN | |
| 470 | B Tech- MECHATRONICS | AU486 | NOISE, VIBRATION AND HARSHNESS | |
| 471 | B Tech- MECHATRONICS | BM 482 | BIO MEDICAL INSTRUMENTATION (AE 403/ Bio Medical Instrumentation | |
| 472 | B Tech- MECHATRONICS | BM484 | MEDICAL IMAGING & IMAGE PROCESSING TECHNIQUES | |
| 473 | B Tech- MECHATRONICS | BT461 | DESIGN OF BIOLOGICAL WASTEWATER SYSTEMS | |
| 474 | B Tech- MECHATRONICS | BT362 | BT362 SUSTAINABLE ENERGY PROCESSES | |
| 475 | B Tech- MECHATRONICS | CH482 | PROCESS UTILITIES AND PIPE LINE DESIGN | |
| 476 | B Tech- MECHATRONICS | CH484 | FUEL CELL TECHNOLOGY | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady, Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|-------------------------|-------|---|--|
| 477 | B Tech- MECHATRONICS | CE482 | ENVIRONMENTAL IMPACT ASSESSMENT | |
| 478 | B Tech- MECHATRONICS | CE484 | APPLIED EARTH SYSTEMS | |
| 479 | B Tech- MECHATRONICS | CE486 | GEO INFORMATICS FOR INFRASTRUCTURE MANAGEMENT | |
| 480 | B Tech- MECHATRONICS | CE488 | DISASTER MANAGEMENT | |
| 481 | B Tech- MECHATRONICS | CE494 | ENVIRONMENT HEALTH AND SAFETY | |
| 482 | B Tech- MECHATRONICS | CS482 | DATA STRUCTURES | |
| 483 | B Tech- MECHATRONICS | CS484 | COMPUTER GRAPHICS | |
| 484 | B Tech- MECHATRONICS | CS486 | OBJECT ORIENTED PROGRAMMING (MR363/ OBJECTED ORIENTED PROGRAMMING) | |
| 485 | B Tech- MECHATRONICS | CS488 | C # AND .NET PROGRAMMING | |
| 486 | B Tech- MECHATRONICS | EE482 | ENERGY MANAGEMENT AND AUDITING (MR 364/ ENERGY ENGINEERING MANAGEMENT) | |
| 487 | B Tech- MECHATRONICS | EE494 | INSTRUMENTATION SYSTEMS | |
| 488 | B Tech- MECHATRONICS | EC482 | BIOMEDICAL ENGINEERING | |
| 489 | B Tech- MECHATRONICS | FT482 | FOOD PROCESS ENGINEERING | |



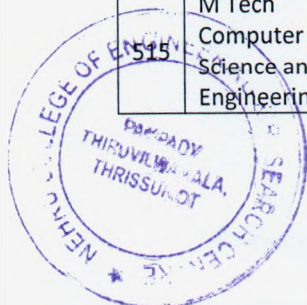
C/S
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pambody Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

| | | | | |
|-----|-------------------------|--------|---------------------------------------|---|
| 490 | B Tech- MECHATRONICS | FT484 | FOOD STORAGE ENGINEERING | |
| 491 | B Tech- MECHATRONICS | FT486 | FOOD ADDITIVES AND FLAVOURING | |
| 492 | B Tech- MECHATRONICS | .IE482 | FINANCIAL MANAGEMENT | |
| 493 | B Tech- MECHATRONICS | IE484 | INTRODUCTION TO BUSINESS ANALYTICS | |
| 494 | B Tech- MECHATRONICS | IE486 | DESIGN AND ANALYSIS OF EXPERIMENTS | Y |
| 495 | B Tech- MECHATRONICS | IE488 | TOTAL QUALITY MANAGEMENT | |
| 496 | B Tech- MECHATRONICS | IC482 | BIOMEDICAL SIGNAL PROCESSING | |
| 497 | B Tech- MECHATRONICS | IT482 | INFORMATION STORAGE MANAGEMENT | |
| 498 | B Tech- MECHATRONICS | MA482 | APPLIED LINEAR ALGEBRA | |
| 499 | B Tech- MECHATRONICS | MA484 | OPERATIONS RESEARCH | |
| 500 | B Tech- MECHATRONICS | MA486 | ADVANCED NUMERICAL COMPUTATIONS | |
| 501 | B Tech- MECHATRONICS | MA488 | CRYPTOGRAPHY | |
| 502 | B Tech- MECHATRONICS | ME484 | FINITE ELEMENT ANALYSIS | |



[Signature]
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thiruvananthapuram Dt
Pin - 686 009 Kerala

| | | | | |
|-----|--|---------------|---|---|
| 503 | B Tech- MECHATRONICS | ME482 | ENERGY CONSERVATION AND MANAGEMENT | |
| 504 | B Tech- MECHATRONICS | ME471 | OPTIMIZATION TECHNIQUES | |
| 505 | B Tech- MECHATRONICS | MP482 | PRODUCT DEVELOPMENT AND DESIGN | Y |
| 506 | B Tech- MECHATRONICS | MP469 | INDUSTRIAL PSYCHOLOGY & ORGANIZATIONAL BEHAVIOUR | |
| 507 | B Tech- MECHATRONICS | HS482 | PROFESSIONAL ETHICS | |
| 508 | M Tech Computer Science and Engineering | 08 CS 6011 | Operating System Design | Y |
| 509 | M Tech Computer Science and Engineering | 08 CS 6021 | Advanced Data Structures | Y |
| 510 | M Tech Computer Science and Engineering | 08 CS 6031 | Advanced Database Technology | |
| 511 | M Tech Computer Science and Engineering | 08 CS 6041 | Mathematical Foundations of Computer Science | |
| 512 | M Tech Computer Science and Engineering | 08 CS 6051(A) | Computational Intelligence | |
| 513 | M Tech Computer Science and Engineering | 08 GN 6001 | Research Methodology | |
| 514 | M Tech Computer Science and Engineering | 08 CS 6071(P) | Seminar I | |
| 515 | M Tech Computer Science and Engineering | 08 CS 6081(P) | Advanced Data Structures Lab | Y |





PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panampady, Thiruvilwamala, Thiruvananthapuram
 Pin 680 597 Kerala

| | | | | |
|-----|--|----------------|-------------------------------|---|
| 516 | M Tech Computer Science and Engineering | 08 CS 6012 | Advanced Compiler Design | Y |
| 517 | M Tech Computer Science and Engineering | 08 CS 6042(B) | Big Data Essentials | Y |
| 518 | M Tech Computer Science and Engineering | 08 CS 6052(A) | Cloud Computing | Y |
| 519 | M Tech Computer Science and Engineering | 08 CS 6072 (P) | Data mining and Analytics Lab | Y |
| 520 | M Tech Computer Science and Engineering | 08 GN 6001 | Research Methodology | |

No. of Courses:180

Principal




PRINCIPAL
Nehru College of
Engineering and Research Cent.
Pampady, Thiruvilwamala, Thrissur Dt
Ph 880 597 Kerala

Academic Year3 2017-18



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)

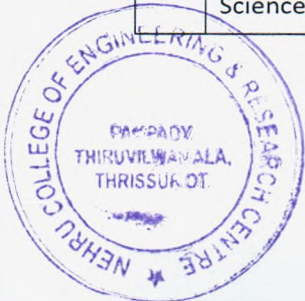
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

List for Courses 2017-18

| Sl No. | Program Name | Course code | Course Name | Project/ Internship/ Field visit |
|--------|--|-------------|---|----------------------------------|
| 1 | B.Tech. Computer Science and Engineering | MA101 | Calculus | |
| 2 | B.Tech. Computer Science and Engineering | PH100 | Engineering Physics | Y |
| 3 | B.Tech. Computer Science and Engineering | CY100 | Engineering Chemistry | |
| 4 | B.Tech. Computer Science and Engineering | BE101-0X | Introduction to _____ Engineering | Y |
| 5 | B.Tech. Computer Science and Engineering | BE103 | Introduction to Sustainable Engineering | |
| 6 | B.Tech. Computer Science and Engineering | CE100 | Basics of Civil Engineering | |
| 7 | B.Tech. Computer Science and Engineering | ME100 | Basics of Mechanical Engineering | |
| 8 | B.Tech. Computer Science and Engineering | EE100 | Basics of Electrical Engineering | Y |

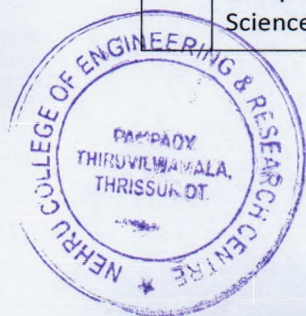


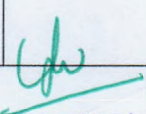
Handwritten signature

PRINCIPAL

Nehru College of
Engineering and Research Centre
Pam-pady, Thiruvilwamala, Thrissur Dt
Pin - 680 597 Kerala

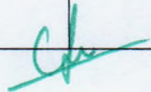
| | Engineering | | | |
|----|---|-------------------------------|---|---|
| 9 | B.Tech. Computer Science and Engineering | EC100 | Basics of Electronics Engineering | Y |
| 10 | B.Tech. Computer Science and Engineering | PH110 | Engineering Physics Lab | |
| 11 | B.Tech. Computer Science and Engineering | CY110 | Engineering Chemistry Lab | |
| 12 | B.Tech. Computer Science and Engineering | CE110/ME110/EE110/EC110/CS110 | Basic Engineering Workshops | |
| 13 | B.Tech. Computer Science and Engineering | MA102 | Differential Equations | |
| 14 | B.Tech. Computer Science and Engineering | BE100 | Engineering Mechanics | |
| 15 | B.Tech. Computer Science and Engineering | BE110 | Engineering Graphics | |
| 16 | B.Tech. Computer Science and Engineering | BE102 | Design & Engineering | |
| 17 | B.Tech. Computer Science and Engineering | CS 100 | Computer Programming | Y |
| 18 | B.Tech. Computer Science and Engineering | MA201 | Linear Algebra & Complex Analysis | Y |
| 19 | B.Tech. Computer Science and | CS201 | Discrete Computational Structures | |



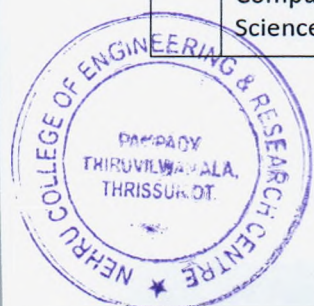

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|----|---|-------|--|---|
| | Engineering | | | |
| 20 | B.Tech. Computer Science and Engineering | CS203 | Switching Theory and Logic Design | |
| 21 | B.Tech. Computer Science and Engineering | CS205 | Data Structures | Y |
| 22 | B.Tech. Computer Science and Engineering | CS207 | Electronics Devices & Circuits | Y |
| 23 | B.Tech. Computer Science and Engineering | CS231 | Data Structures Lab | |
| 24 | B.Tech. Computer Science and Engineering | CS233 | Electronics Circuits Lab | Y |
| 25 | B.Tech. Computer Science and Engineering | CS202 | Computer Organization and Architecture | Y |
| 26 | B.Tech. Computer Science and Engineering | CS204 | Operating Systems | |
| 27 | B.Tech. Computer Science and Engineering | CS206 | Object Oriented Design and Programming | Y |
| 28 | B.Tech. Computer Science and Engineering | CS208 | Principles of Database Design | Y |
| 29 | B.Tech. Computer Science and Engineering | CS232 | Free and Open Source Software Lab | Y |
| 30 | B.Tech. Computer Science and Engineering | CS234 | Digital Systems Lab | Y |



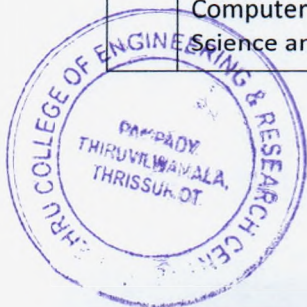

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|----|---|-------|---|---|
| 31 | B.Tech. Computer Science and Engineering | CS301 | Theory of Computation | |
| 32 | B.Tech. Computer Science and Engineering | CS303 | System Software | Y |
| 33 | B.Tech. Computer Science and Engineering | CS305 | Microprocessors and Microcontrollers | |
| 34 | B.Tech. Computer Science and Engineering | CS307 | Data Communication | Y |
| 35 | B.Tech. Computer Science and Engineering | CS309 | Graph Theory and Combinatorics | Y |
| 36 | B.Tech. Computer Science and Engineering | CS341 | Design Project | |
| 37 | B.Tech. Computer Science and Engineering | CS331 | System Software Lab | Y |
| 38 | B.Tech. Computer Science and Engineering | CS333 | Application Software Development Lab | Y |
| 39 | B.Tech. Computer Science and Engineering | CS361 | Soft Computing | |
| 40 | B.Tech. Computer Science and Engineering | CS365 | Optimization Techniques | Y |
| 41 | B.Tech. Computer Science and Engineering | CS367 | Logic for Computer Science | Y |
| 42 | B.Tech. Computer Science and | CS369 | Digital System Testing & Testable Design | Y |



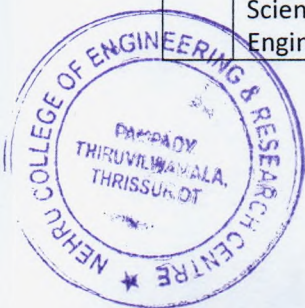
(Signature)
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur DL
Pin 680 597 Kerala

| | | | | |
|----|---|-------|---|---|
| | Engineering | | | |
| 43 | B.Tech. Computer Science and Engineering | CS302 | Design and Analysis of Algorithms | |
| 44 | B.Tech. Computer Science and Engineering | CS304 | Compiler Design | |
| 45 | B.Tech. Computer Science and Engineering | CS306 | Computer Networks | |
| 46 | B.Tech. Computer Science and Engineering | CS308 | Software Engineering and Project Management | Y |
| 47 | B.Tech. Computer Science and Engineering | CS332 | Microprocessor Lab | Y |
| 48 | B.Tech. Computer Science and Engineering | CS334 | Network Programming Lab | Y |
| 49 | B.Tech. Computer Science and Engineering | CS352 | Comprehensive Exam | Y |
| 50 | B.Tech. Computer Science and Engineering | CS362 | Computer Vision | |
| 51 | B.Tech. Computer Science and Engineering | CS364 | Mobile Computing | |
| 52 | B.Tech. Computer Science and Engineering | CS366 | Natural Language Processing | Y |
| 53 | B.Tech. Computer Science and Engineering | CS368 | Web Technologies | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur
 Pin 680 597 Kerala

| | | | | |
|----|---|--------------|--|---|
| | Engineering | | | |
| 54 | B.Tech. Computer Science and Engineering | CS372 | High Performance Computing | |
| 55 | B.Tech. Computer Science and Engineering | CS14 701 | Design & Analysis of Algorithm | Y |
| 56 | B.Tech. Computer Science and Engineering | CS14 702 | Cryptography & Network Security | |
| 57 | B.Tech. Computer Science and Engineering | CS14 703 | Artificial Intelligence | Y |
| 58 | B.Tech. Computer Science and Engineering | CS14 706(P) | Compiler Lab | |
| 59 | B.Tech. Computer Science and Engineering | CS14 707(P) | Network Programming Lab | Y |
| 60 | B.Tech. Computer Science and Engineering | CS14 708 | Project | Y |
| 61 | B.Tech. Computer Science and Engineering | CS14 801 | Computer Architecture & Parallel Processing | Y |
| 62 | B.Tech. Computer Science and Engineering | CS14 802 | Distributed Systems | Y |
| 63 | B.Tech. Computer Science and Engineering | CS14 803 | Data Mining and Warehousing | Y |
| 64 | B.Tech. Computer Science and Engineering | CS14 806 (P) | Seminar | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|----|--|--------------|---|---|
| 65 | B.Tech. Computer Science and Engineering | CS14 807 (P) | Project | Y |
| 66 | B.Tech. Computer Science and Engineering | CS14 808 (P) | Viva Voce | |
| 67 | B.Tech. Computer Science and Engineering | CS14 704 (A) | Object Oriented Modeling and Design | Y |
| 68 | B.Tech. Computer Science and Engineering | CS14 705(B) | E-Commerce | |
| 69 | B.Tech. Computer Science and Engineering | CS14 804 (B) | Information Retrieval | |
| 70 | B.Tech. Computer Science and Engineering | CS14 805 (A) | Advanced Database Design | |
| 71 | M.Tech Cyber Security | 08CS 7213 | Elective IV | Y |
| 72 | M.Tech Cyber Security | 08CS 7223 | Elective V | |
| 73 | M.Tech Cyber Security | 08CS 7233 | Seminar II | |
| 74 | M.Tech Cyber Security | 08CS 7243 | Project (Phase 1) | Y |
| 75 | M.Tech Cyber Security | 08CS 7214 | Project (Phase 2) | |
| 76 | M.Tech Applied Electronics & Communication System | 08 EC 6111 | MATHEMATICS FOR COMMUNICATION ENGG. | |
| 77 | M.Tech Applied Electronics & Communication System | 08 EC 6121 | DESIGN OF DSP SYSTEMS | |



Ch

PRINCIPAL
Nehru College of
Engineering and Research Centre
Campady Thiruvilwamala Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|----|---|---------------|--|---|
| 78 | M.Tech Applied Electronics & Communication System | 08 EC 6131 | ADVANCED DIGITAL COMMUNICATION | |
| 79 | M.Tech Applied Electronics & Communication System | 08 EC 6141 | SYSTEM DESIGN USING EMBEDDED PROCESSORS | |
| 80 | M.Tech Applied Electronics & Communication System | 08 EC 6151(A) | INFORMATION THEORY | |
| 81 | M.Tech Applied Electronics & Communication System | 08 GN 6001 | RESEARCH METHODOLOGY | Y |
| 82 | M.Tech Applied Electronics & Communication System | 08 EC 6161 | SEMINAR | Y |
| 83 | M.Tech Applied Electronics & Communication System | 08 EC 6171 | EMBEDDED & SIGNAL PROCESSING SYSTEM LAB | Y |
| 84 | M.Tech Applied Electronics & Communication System | 08EC6112 | DIGITAL SYSTEM DESIGN | |
| 85 | M.Tech Applied Electronics & Communication System | 08EC6122 | WIRELESS COMMUNICATION | Y |
| 86 | M.Tech Applied Electronics & Communication System | 08EC6132 | DIGITAL MOS CIRCUITS | |
| 87 | M.Tech Applied Electronics & Communication System | 08EC6142(A) | MULTIRATE SIGNAL PROCC'NG & FILTER BANKS | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|----|---|-------------|--------------------------------|---|
| 88 | M.Tech Applied Electronics & Communication System | 08EC6152(A) | COMMUNICATION SWITCHING THEORY | Y |
| 89 | M.Tech Applied Electronics & Communication System | 08EC6162 | MINI PROJECT | Y |
| 90 | M.Tech Applied Electronics & Communication System | 08EC6172 | ADVANCED COMMUNICATION LAB | Y |
| 91 | M.Tech Applied Electronics & Communication System | 08EC7113(C) | BIOMEDICAL SIGNAL PROCESSING | |
| 92 | M.Tech Applied Electronics & Communication System | 08EC7123(C) | SECURE COMMUNICATION | |
| 93 | M.Tech Applied Electronics & Communication System | 08EC7133 | SEMINAR | |
| 94 | M.Tech Applied Electronics & Communication System | 08EC7143 | PROJECT PHASE 1 | |
| 95 | M.Tech Applied Electronics & Communication System | 08EC7114 | PROJECT PHASE II | Y |
| 96 | M.Tech Applied Electronics & Communication System | 08EC6151A | Information Theory | Y |
| 97 | M.Tech Applied Electronics & Communication System | 08EC6151B | Adaptive Signal Processing | |



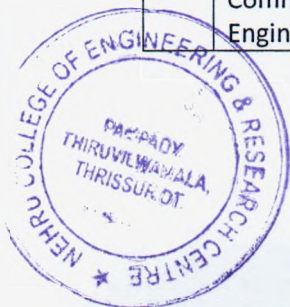

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin - 680 597 Kerala

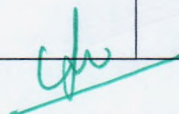
| | | | | |
|-----|---|-----------|---|---|
| 98 | M.Tech Applied Electronics & Communication System | 08EC6151C | Communication Networks | Y |
| 99 | M.Tech Applied Electronics & Communication System | 08EC6151D | Optical Communication | Y |
| 100 | M.Tech Applied Electronics & Communication System | 08EC6142A | Multirate Signal Processing and Filter Bank | Y |
| 101 | M.Tech Applied Electronics & Communication System | 08EC6142B | Spectral analysis of Signal | |
| 102 | M.Tech Applied Electronics & Communication System | 08EC6142C | Spread Spectrum and CDMA Systems | |
| 103 | M.Tech Applied Electronics & Communication System | 08EC6142D | Markov Modeling and Queuing Theory | Y |
| 104 | M.Tech Applied Electronics & Communication System | 08EC6152A | Communication Switching Theory | Y |
| 105 | M.Tech Applied Electronics & Communication System | 08EC6152B | Wavelets Theory | |
| 106 | M.Tech Applied Electronics & Communication System | 08EC6152C | Power Electronics | |
| 107 | M.Tech Applied Electronics & Communication System | 08EC6152D | Electronics System Design | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

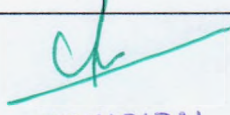
| | | | | |
|-----|---|-----------|--|---|
| 108 | M.Tech Applied Electronics & Communication System | 08EC7113A | Signal Compression-Theory & Methods | |
| 109 | M.Tech Applied Electronics & Communication System | 08EC7113B | Speech and Audio Processing | Y |
| 110 | M.Tech Applied Electronics & Communication System | 08EC7113C | Biomedical Signal Processing | Y |
| 111 | M.Tech Applied Electronics & Communication System | 08EC7113D | DSP Algorithms and Architecturers | Y |
| 112 | M.Tech Applied Electronics & Communication System | 08EC7123A | Linear System Theory | |
| 113 | M.Tech Applied Electronics & Communication System | 08EC7123B | Linear and Non Linear Optimization | Y |
| 114 | M.Tech Applied Electronics & Communication System | 08EC7123C | Secure Communications | Y |
| 115 | M.Tech Applied Electronics & Communication System | 08EC7123D | Information Hiding and Data Encryption | |
| 116 | B TECH Electronics & Communication Engineering | EC201 | NETWORK THEORY | Y |
| 117 | B TECH Electronics & Communication Engineering | EC203 | SOLID STATE DEVICES | |
| 118 | B TECH Electronics & Communication Engineering | EC205 | ELECTRONIC CIRCUITS | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|---|-------|--|---|
| 119 | B TECH Electronics & Communication Engineering | EC207 | LOGIC CIRCUIT DESIGN | |
| 120 | B TECH Electronics & Communication Engineering | MS210 | LIFE SKILLS | Y |
| 121 | B TECH Electronics & Communication Engineering | EC231 | ELECTRONIC DEVICES & CIRCUITS LAB | Y |
| 122 | B TECH Electronics & Communication Engineering | EC233 | ELECTRONIC DESIGN AUTOMATION LAB | Y |
| 123 | B TECH Electronics & Communication Engineering | EC202 | SIGNALS & SYSTEMS | Y |
| 124 | B TECH Electronics & Communication Engineering | EC204 | ANALOG INTEGRATED CIRCUITS | |
| 125 | B TECH Electronics & Communication Engineering | EC206 | COMPUTER ORGANIZATION | Y |
| 126 | B TECH Electronics & Communication Engineering | EC208 | ANALOG COMMUNICATION ENGINEERING | |
| 127 | B TECH Electronics & Communication Engineering | EC232 | ANALOG INTEGRATED CIRCUITS LAB | |
| 128 | B TECH Electronics & Communication Engineering | EC301 | DIGITAL SIGNAL PROCESSING | Y |
| 129 | B TECH Electronics & Communication Engineering | EC303 | APPLIED ELECTROMAGNETIC THEORY | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady, Thiruvilwamala, Thrissur Dt,
 Pin 680 597 Kerala

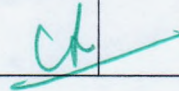
| | | | | |
|-----|---|--------|---|---|
| 130 | B TECH Electronics & Communication Engineering | EC305 | MICROPROCESSORS & MICROCONTROLLERS | Y |
| 131 | B TECH Electronics & Communication Engineering | EC307 | POWER ELECTRONICS & INSTRUMENTATION | |
| 132 | B TECH Electronics & Communication Engineering | EC361* | DIGITAL SYSTEM DESIGN | Y |
| 133 | B TECH Electronics & Communication Engineering | EC341 | DESIGN PROJECT | Y |
| 134 | B TECH Electronics & Communication Engineering | EC333 | DIGITAL SIGNAL PROCESSING LAB | Y |
| 135 | B TECH Electronics & Communication Engineering | EC335 | POWER ELECTRONICS & INSTRUMENTATION LAB | Y |
| 136 | B TECH Electronics & Communication Engineering | EC304 | VLSI | Y |
| 137 | B TECH Electronics & Communication Engineering | EC306 | ANTENNA & WAVE PROPAGATION | Y |
| 138 | B TECH Electronics & Communication Engineering | EC312 | OBJECT ORIENTED PROGRAMMING | Y |
| 139 | B TECH Electronics & Communication Engineering | EC268* | ROBOTICS | |
| 140 | B TECH Electronics & Communication Engineering | EC332 | COMMUNICATION ENGG LAB (ANALOG & DIGITAL) | Y |



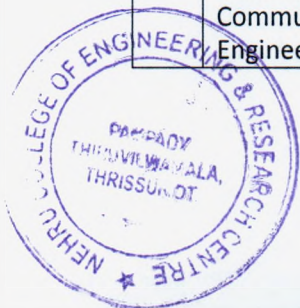

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|---|--------------|-------------------------------------|---|
| 141 | B TECH Electronics & Communication Engineering | EC334 | MICROCONTROLLER LAB | Y |
| 142 | B TECH Electronics & Communication Engineering | EC352 | COMPREHENSIVE EXAM | |
| 143 | B TECH Electronics & Communication Engineering | EC14 701 | Information Theory and Coding | Y |
| 144 | B TECH Electronics & Communication Engineering | EC14 702 | Microwave Engineering | Y |
| 145 | B TECH Electronics & Communication Engineering | EC14 703 | Digital System Design | Y |
| 146 | B TECH Electronics & Communication Engineering | EC14 704 | Elective I | |
| 147 | B TECH Electronics & Communication Engineering | EC14 705 | Elective II | Y |
| 148 | B TECH Electronics & Communication Engineering | EC14 706 (P) | VLSI lab | Y |
| 149 | B TECH Electronics & Communication Engineering | EC14 707 (P) | Communication Systems lab | Y |
| 150 | B TECH Electronics & Communication Engineering | EC14 708 (P) | Project | Y |
| 151 | B TECH Electronics & Communication Engineering | EC14 704(A) | Internet Technology (Global) | Y |
| 152 | B TECH Electronics & Communication | EC14 704(B) | Television and Radar Engineering | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam.pady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|-----|---|-------------|---------------------------------------|---|
| | Engineering | | | |
| 153 | B TECH Electronics & Communication Engineering | EC14 704(C) | Embedded Systems | |
| 154 | B TECH Electronics & Communication Engineering | EC14 704(D) | Nanotechnology | Y |
| 155 | B TECH Electronics & Communication Engineering | EC14 704(E) | Image and Video Processing | Y |
| 156 | B TECH Electronics & Communication Engineering | EC14 705(A) | SOFT COMPUTING | Y |
| 157 | B TECH Electronics & Communication Engineering | EC14 705(B) | HIGH SPEED DIGITAL DESIGN | Y |
| 158 | B TECH Electronics & Communication Engineering | EC14 705(C) | ANTENNA THEORY AND DESIGN | Y |
| 159 | B TECH Electronics & Communication Engineering | EC14 705(D) | ELECTRONIC PACKAGING | Y |
| 160 | B TECH Electronics & Communication Engineering | EC14 705(E) | BIOMEDICAL INSTRUMENTATION | |
| 161 | B TECH Electronics & Communication Engineering | EC14 801 | Data and Communication Networks | Y |
| 162 | B TECH Electronics & Communication Engineering | EC14 802 | Economics and Management | |
| 163 | B TECH Electronics & Communication Engineering | EC14 803 | Wireless Mobile Communications | |

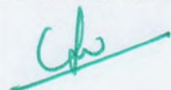


[Handwritten Signature]

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

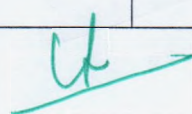
| | | | | |
|-----|---|--------------|--|---|
| 164 | B TECH Electronics & Communication Engineering | EC14 804 | Elective III | Y |
| 165 | B TECH Electronics & Communication Engineering | EC14 805 | Elective IV | |
| 166 | B TECH Electronics & Communication Engineering | EC14 806 (P) | <i>Seminar</i> | |
| 167 | B TECH Electronics & Communication Engineering | EC14 807 (P) | <i>Project</i> | Y |
| 168 | B TECH Electronics & Communication Engineering | EC14 808 (P) | <i>Viva Voce</i> | Y |
| 169 | B TECH Electronics & Communication Engineering | EC14 804(A) | INTRODUCTION TO MEMS | Y |
| 170 | B TECH Electronics & Communication Engineering | EC14 804(B) | PHOTONIC SWITCHING AND NETWORK | |
| 171 | B TECH Electronics & Communication Engineering | EC14 804(C) | MICROWAVE ACTIVE DEVICES AND CIRCUITS | Y |
| 172 | B TECH Electronics & Communication Engineering | EC14 804(D) | MOBILE COMPUTING | |
| 173 | B TECH Electronics & Communication Engineering | EC14 804(E) | DATA STRUCTURES AND ALGORITHMS | |
| 174 | B TECH Electronics & Communication Engineering | EC14 805(A) | MULTIMEDIA COMMUNICATION SYSTEMS | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|-----|---|-------------|---|---|
| 175 | B TECH Electronics & Communication Engineering | EC14 805(B) | PROBABILITY AND RANDOM PROCESSES | Y |
| 176 | B TECH Electronics & Communication Engineering | EC14 805(C) | CRYPTOGRAPHY AND NETWORK SECURITY | Y |
| 177 | B TECH Electronics & Communication Engineering | EC14 805(D) | ADVANCED SEMICONDUCTOR DEVICE TECHNOLOGY | |
| 178 | B TECH Electronics & Communication Engineering | EC14 805(E) | ADVANCED DIGITAL SIGNAL PROCESSING | |
| 179 | M.Tech : VLSI DESIGN | 08EC6311 | ADVANCED ENGG MATHEMATICS | |
| 180 | M.Tech : VLSI DESIGN | 08EC6321 | CMOS VLSI DESIGN | |
| 181 | M.Tech : VLSI DESIGN | 08EC6331 | ADVANCED DSD | |
| 182 | M.Tech : VLSI DESIGN | 08EC6341 | VLSI FABRICATION TECHNOLOGY | Y |
| 183 | M.Tech : VLSI DESIGN | 08EC6351 | DIGITAL INTEGRATED CIRCUITS | |
| 184 | M.Tech : VLSI DESIGN | 08EC6001 | RESEARCH METHODOLOGY | Y |
| 185 | M.Tech : VLSI DESIGN | 08EC6371 | SEMINAR | Y |
| 186 | M.Tech : VLSI DESIGN | 08EC6381 | VLSI DESIGN LAB | Y |
| 187 | M.Tech : VLSI DESIGN | 08 EC 6312 | ANALOG VLSI DESIGN | Y |
| 188 | M.Tech : VLSI DESIGN | 08 EC 6322 | CAD OF VLSI CIRCUITS | |
| 189 | M.Tech : VLSI DESIGN | 08 EC 6332 | TESTING & VERIFICATION OF VLSI CIRCUITS | |



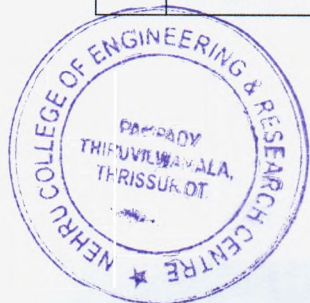

PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady, Thiruvilwamala, Thrikkur Dt.
Pin 680 597 Kerala

| | | | | |
|-----|----------------------|---------------|--|---|
| 190 | M.Tech : VLSI DESIGN | 08 EC 6342(A) | LOW POWER VLSI DESIGN | Y |
| 191 | M.Tech : VLSI DESIGN | 08 EC 6352(B) | SoC DESIGN & VERIFICATION | Y |
| 192 | M.Tech : VLSI DESIGN | 08 EC 6362 | MINI PROJECT | Y |
| 193 | M.Tech : VLSI DESIGN | 08 EC 6372 | TESTING & VERIFICATION OF VLSI LAB | Y |
| 194 | M.Tech : VLSI DESIGN | 08EC7313 | FPGA ARCHITECTURE | Y |
| 195 | M.Tech : VLSI DESIGN | 08EC7323 | SYSTEM VERILOG | Y |
| 196 | M.Tech : VLSI DESIGN | 08EC7333 | SEMINAR | Y |
| 197 | M.Tech : VLSI DESIGN | 08EC7343 | PROJECT PHASE I | Y |
| 198 | M.Tech : VLSI DESIGN | 08EC7314 | PROJECT PHASE II | Y |
| 199 | M.Tech : VLSI DESIGN | 08EC6351A | Electronic System Design | Y |
| 200 | M.Tech : VLSI DESIGN | 08EC6351B | Digital Integrated Circuits Design | |
| 201 | M.Tech : VLSI DESIGN | 08EC6351C | Designing with Microcontrollers | Y |
| 202 | M.Tech : VLSI DESIGN | 08EC6342A | Low Power VLSI Design | Y |
| 203 | M.Tech : VLSI DESIGN | 08EC6342B | Synthesis and optimization of Digital Circuits | Y |
| 204 | M.Tech : VLSI DESIGN | 08EC6342C | Design of Digital Signal Processing | Y |
| 205 | M.Tech : VLSI DESIGN | 08EC6352A | High Speed Digital Design | Y |
| 206 | M.Tech : VLSI DESIGN | 08EC6352B | SoC Design & Verification | Y |
| 207 | M.Tech : VLSI DESIGN | 08EC6352C | Nano electronics | |
| 208 | M.Tech : VLSI DESIGN | 08EC7313A | FPGA Architecture & Applications | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady Thiruvilwamala, Thirissur Dt.
 Pin - 680 597 Kerala

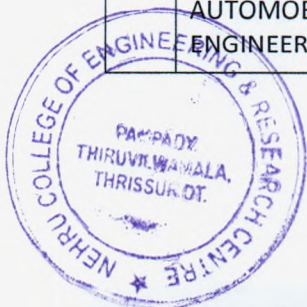
| | | | | |
|-----|------------------------------|-----------|-------------------------------|---|
| 209 | M.Tech : VLSI DESIGN | 08EC7313B | Mixed SignalSystem Design | Y |
| 210 | M.Tech : VLSI DESIGN | 08EC7313C | ASIC Design | |
| 211 | M.Tech : VLSI DESIGN | 08EC7323A | System Verilog | Y |
| 212 | M.Tech : VLSI DESIGN | 08EC7323B | Hardware Software Co Design | Y |
| 213 | M.Tech : VLSI DESIGN | 08EC7323C | VLSI Signal Processing | Y |
| 214 | BTECH AUTOMOBILE ENGINEERING | AU201 | S I Engines & Combustion | |
| 215 | BTECH AUTOMOBILE ENGINEERING | AU203 | Auto Chassis | Y |
| 216 | BTECH AUTOMOBILE ENGINEERING | AU202 | Advanced Thermodynamics | |
| 217 | BTECH AUTOMOBILE ENGINEERING | AU204 | C I Engines & Combustion | Y |
| 218 | BTECH AUTOMOBILE ENGINEERING | AU206 | Auto Transmission | Y |
| 219 | BTECH AUTOMOBILE ENGINEERING | AU208 | Computer Programming | Y |
| 220 | BTECH AUTOMOBILE ENGINEERING | AU232 | Computer Programming Lab | |
| 221 | BTECH AUTOMOBILE ENGINEERING | AU234 | Vehicle Systems Lab | Y |
| 222 | BTECH AUTOMOBILE ENGINEERING | ME307 | Machine Design-I | Y |
| 223 | BTECH AUTOMOBILE ENGINEERING | ME309 | Metallurgy & Material Science | |



CP

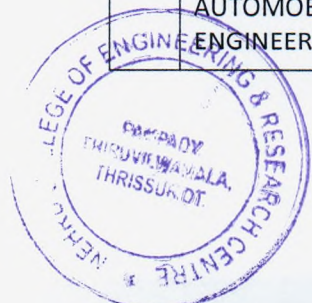
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thirissur Dt.
Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|-------|---|---|
| 224 | BTECH AUTOMOBILE ENGINEERING | ME311 | Manufacturing Processes | |
| 225 | BTECH AUTOMOBILE ENGINEERING | EE311 | Electrical Drives and Control for Automation | Y |
| 226 | BTECH AUTOMOBILE ENGINEERING | AU307 | Vehicle Body Engineering | |
| 227 | BTECH AUTOMOBILE ENGINEERING | AU361 | Alternative Fuels and Energy Sources | |
| 228 | BTECH AUTOMOBILE ENGINEERING | AU363 | Plastics & Composites in Automobile | |
| 229 | BTECH AUTOMOBILE ENGINEERING | AU365 | Automotive Pollution and Testing | |
| 230 | BTECH AUTOMOBILE ENGINEERING | AU341 | Design Project | Y |
| 231 | BTECH AUTOMOBILE ENGINEERING | ME333 | Heat Engines Lab | |
| 232 | BTECH AUTOMOBILE ENGINEERING | ME335 | Production Engineering Lab | |
| 233 | BTECH AUTOMOBILE ENGINEERING | ME302 | Heat & Mass Transfer | |
| 234 | BTECH AUTOMOBILE ENGINEERING | AU362 | Hybrid and Fuel Cell Vehicles | |
| 235 | BTECH AUTOMOBILE ENGINEERING | AU364 | Vehicle Performance & Testing | |
| 236 | BTECH AUTOMOBILE ENGINEERING | AU366 | Vehicle Aerodynamics | |
| 237 | BTECH AUTOMOBILE ENGINEERING | AU352 | Comprehensive Exam | |



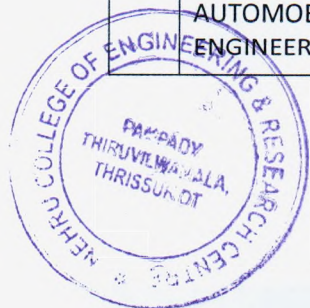
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

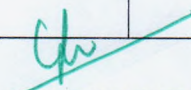
| | | | | |
|-----|------------------------------------|--------------|--|---|
| 238 | BTECH AUTOMOBILE ENGINEERING | AM14 701 | Vehicle Electrification | |
| 239 | BTECH AUTOMOBILE ENGINEERING | AM14 703 | Operations Management | |
| 240 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (A) | Non Conventional Machining Techniques | Y |
| 241 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (B) | Embedded Systems in Automobiles | |
| 242 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (C) | Agro Machineries | |
| 243 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (D) | Industrial Automation | |
| 244 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (E) | Computer Integrated Manufacturing | |
| 245 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (F) | Logistics and Supply Chain Management | |
| 246 | BTECH AUTOMOBILE ENGINEERING | AM14 704 (G) | Management of Human Resources | |
| 247 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (A) | Automotive Aero Dynamics | |
| 248 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (B) | Environmental Pollution Control | |
| 249 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (C) | Special Type Vehicles | |
| 250 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (D) | Industrial Tribology | |
| 251 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (E) | Non-Destructive Testing | |



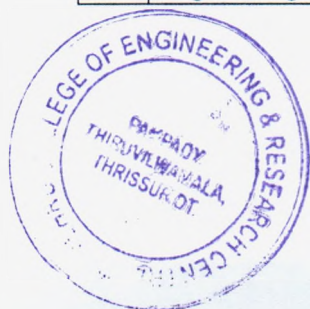

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin - 680 597 Kerala

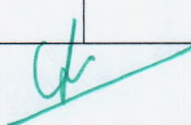
| | | | | |
|-----|------------------------------------|--------------|--|---|
| 252 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (F) | Robotics | |
| 253 | BTECH AUTOMOBILE ENGINEERING | AM14 705 (G) | Entrepreneurship development | |
| 254 | BTECH AUTOMOBILE ENGINEERING | AM14 706 (P) | Vehicle Reconditioning Lab | |
| 255 | BTECH AUTOMOBILE ENGINEERING | AM14 707 (P) | Thermal Lab II | |
| 256 | BTECH AUTOMOBILE ENGINEERING | AM14 708 (P) | Project | |
| 257 | BTECH AUTOMOBILE ENGINEERING | AM14 801 | Automobile Electronics | |
| 258 | BTECH AUTOMOBILE ENGINEERING | AM14 802 | Automotive Safety & Pollution Control | |
| 259 | BTECH AUTOMOBILE ENGINEERING | AM14 803 | Quality Engineering & Management | Y |
| 260 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (A) | Vehicle Body Engineering | |
| 261 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (B) | Marketing Management | |
| 262 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (C) | Combustion Engineering | |
| 263 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (D) | Financial Management | Y |
| 264 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (E) | Mechatronics | |
| 265 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (F) | Computational Fluid Dynamics | Y |



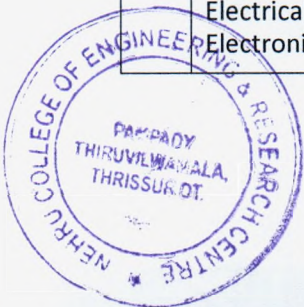

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Paripady Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

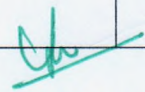
| | | | | |
|-----|--|--------------|-------------------------------------|---|
| 266 | BTECH AUTOMOBILE ENGINEERING | AM14 804 (G) | Research Methodology | |
| 267 | BTECH AUTOMOBILE ENGINEERING | AM14 805 (A) | Alternate Fuels & Energy Systems | |
| 268 | BTECH AUTOMOBILE ENGINEERING | AM14 805 (B) | Automotive Air- conditioning | |
| 269 | BTECH AUTOMOBILE ENGINEERING | AM14 805 (C) | Flexible Manufacturing System | |
| 270 | BTECH AUTOMOBILE ENGINEERING | AM14 805 (D) | Tool Engineering & Design | |
| 271 | BTECH AUTOMOBILE ENGINEERING | AM14 805 (E) | Vehicle Performance & Testing | |
| 272 | BTECH AUTOMOBILE ENGINEERING | AM14 805 (F) | Finite Element Analysis | |
| 273 | BTECH AUTOMOBILE ENGINEERING | AM14 806 (P) | Seminar | |
| 274 | BTECH AUTOMOBILE ENGINEERING | AM14 807 (P) | Project | |
| 275 | BTECH AUTOMOBILE ENGINEERING | AM14 808 (P) | Viva Voce | |
| 276 | B Tech., Electrical and Electronics Engineering | EE201 | Circuits and Networks | Y |
| 277 | B Tech., Electrical and Electronics Engineering | EE203 | Analog Electronic Circuits | |
| 278 | B Tech., Electrical and Electronics Engineering | EE205 | DC Machines and Transformers | |



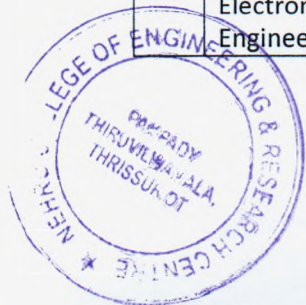

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|--|--------------|---|---|
| 279 | B Tech., Electrical and Electronics Engineering | EE207 | Computer Programming | |
| 280 | B Tech., Electrical and Electronics Engineering | HS200/ HS210 | Business Economics/Life Skills | |
| 281 | B Tech., Electrical and Electronics Engineering | EE231 | Electronic Circuits Lab | Y |
| 282 | B Tech., Electrical and Electronics Engineering | EE233 | Programming Lab | Y |
| 283 | B Tech., Electrical and Electronics Engineering | EE202 | Synchronous and Induction | Y |
| 284 | B Tech., Electrical and Electronics Engineering | EE204 | Digital Electronics and Logic Design | Y |
| 285 | B Tech., Electrical and Electronics Engineering | EE206 | Material Science | |
| 286 | B Tech., Electrical and Electronics Engineering | EE208 | Measurements and Instrumentation | |
| 287 | B Tech., Electrical and Electronics Engineering | EE232 | Electrical Machines Lab I | |
| 288 | B Tech., Electrical and Electronics Engineering | EE234 | Circuits and Measurements Lab | |
| 289 | B Tech., Electrical and Electronics Engineering | EE301 | Power Generation, Transmission and Protection | |
| 290 | B Tech., Electrical and Electronics | EE303 | Linear Control Systems | |



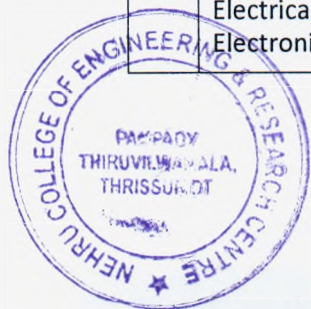

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin - 680 597 Kerala

| | | | | |
|-----|--|-------|---|---|
| | Engineering | | | |
| 291 | B Tech., Electrical and Electronics Engineering | EE305 | Power Electronics | |
| 292 | B Tech., Electrical and Electronics Engineering | EE307 | Signals and Systems | |
| 293 | B Tech., Electrical and Electronics Engineering | EE309 | Microprocessor and Embedded Systems | |
| 294 | B Tech., Electrical and Electronics Engineering | EE341 | Design Project | Y |
| 295 | B Tech., Electrical and Electronics Engineering | EE331 | Digital Circuits and Embedded Systems Lab | Y |
| 296 | B Tech., Electrical and Electronics Engineering | EE333 | Electrical Machines Lab II | Y |
| 297 | B Tech., Electrical and Electronics Engineering | EE302 | Electromagnetics | Y |
| 298 | B Tech., Electrical and Electronics Engineering | EE304 | Advanced Control Theory | |
| 299 | B Tech., Electrical and Electronics Engineering | EE306 | Power System Analysis | Y |
| 300 | B Tech., Electrical and Electronics Engineering | EE308 | Electric Drives | |
| 301 | B Tech., Electrical and Electronics Engineering | EE332 | Systems and Control Lab | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thirissur Dt.
 Pin 680 597 Kerala


| | | | | |
|-----|--|-------------|--------------------------------------|---|
| 302 | B Tech., Electrical and Electronics Engineering | EE334 | Power Electronics & Drives Lab | |
| 303 | B Tech., Electrical and Electronics Engineering | EE352 | Comprehensive Exam | |
| 304 | B Tech., Electrical and Electronics Engineering | EE364 | Switched Mode Power Converters | Y |
| 305 | B Tech., Electrical and Electronics Engineering | EE14 701 | Power System Analysis | Y |
| 306 | B Tech., Electrical and Electronics Engineering | EE14 702 | Modern Control Theory | Y |
| 307 | B Tech., Electrical and Electronics Engineering | EE14 703 | Electric Drives | Y |
| 308 | B Tech., Electrical and Electronics Engineering | EE14 704(A) | Switched Mode Power Converters | |
| 309 | B Tech., Electrical and Electronics Engineering | EE14 705(B) | High Voltage Engineering | |
| 310 | B Tech., Electrical and Electronics Engineering | EE14 706(P) | Power Electronics Lab | |
| 311 | B Tech., Electrical and Electronics Engineering | EE14 707(P) | System Simulation and Control Lab | |
| 312 | B Tech., Electrical and Electronics Engineering | EE14 708(P) | Project | |
| 313 | B Tech., Electrical and Electronics Engineering | EE14 801 | Electrical System Design | Y |



lde
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur District
 Pin 680 597 Kerala


| | | | | |
|-----|--|-------------|---|---|
| | Engineering | | | |
| 314 | B Tech., Electrical and Electronics Engineering | EE14 802 | FACTs Controllers and Custom Power Devices | |
| 315 | B Tech., Electrical and Electronics Engineering | EE14 803 | Power System Protection | Y |
| 316 | B Tech., Electrical and Electronics Engineering | EE14 804 | Biomedical Engineering | |
| 317 | B Tech., Electrical and Electronics Engineering | EE14 805(A) | Special Electrical Machines | Y |
| 318 | B Tech., Electrical and Electronics Engineering | EE14 806(P) | Seminar | Y |
| 319 | B Tech., Electrical and Electronics Engineering | EE14 807(P) | Project | |
| 320 | B Tech., Electrical and Electronics Engineering | EE14 808(P) | Viva Voce | |
| 321 | M Tech., Energy Systems | 08EE6011 | Applied Mathematics | |
| 322 | M Tech., Energy Systems | 08EE6021 | Advanced Energy Conversion Systems | Y |
| 323 | M Tech., Energy Systems | 08EE6031 | Renewable Energy Technology | |
| 324 | M Tech., Energy Systems | 08EE6041 | Electrical Energy Systems and Management | |
| 325 | M Tech., Energy Systems | 08EE6051 | Energy Policies for Sustainable Development | |



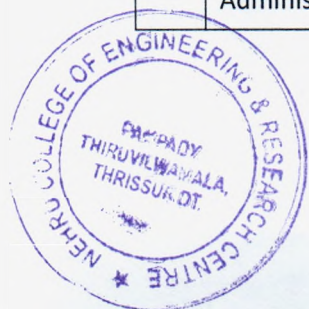

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------|--|---|
| 326 | M Tech., Energy Systems | 08GN6001 | Research Methodology | |
| 327 | M Tech., Energy Systems | 08EE6071 | Seminar | |
| 328 | M Tech., Energy Systems | 08EE6081 | Energy Systems Lab | |
| 329 | M Tech., Energy Systems | 08EE6012 | Design and Analysis of Energy Systems | |
| 330 | M Tech., Energy Systems | 08EE6022 | Energy Conservation in Thermal Systems | |
| 331 | M Tech., Energy Systems | 08EE6032 | Energy and Environment | Y |
| 332 | M Tech., Energy Systems | 08EE6042 | Hydro Power Systems | |
| 333 | M Tech., Energy Systems | 08EE6052 | Wind Energy and its Utilization | y |
| 334 | M Tech., Energy Systems | 08EE6062 | Mini Project | |
| 335 | M Tech., Energy Systems | 08EE6072 | Power Electronics Lab | |
| 336 | M Tech., Energy Systems | 08EE7013 | Energy Efficient Buildings | |
| 337 | M Tech., Energy Systems | 08EE7023 | Nanomaterials and Nanotechnology | |
| 338 | M Tech., Energy Systems | 08EE7033 | Seminar | |
| 339 | M Tech., Energy Systems | 08EE7043 | Research Project Phase- I | |
| 340 | M Tech., Energy Systems | 08EE7014 | Research Project Phase- II | |
| 341 | Masters in Business Administration | 11 | QT – Quantitative Methods for Management | |
| 342 | Masters in Business Administration | 12 | OB 1– Organizational Behaviour | |
| 343 | Masters in Business Administration | 13 | ME – Managerial Economics | |



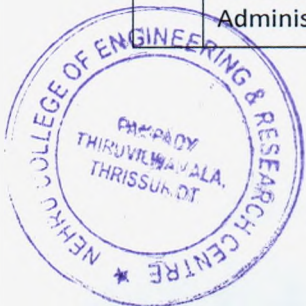

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin - 680 357 Kerala

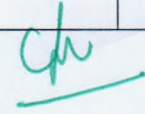
| | | | | |
|-----|------------------------------------|----|-----------------------------------|---|
| 344 | Masters in Business Administration | 14 | BC – Business Communication | Y |
| 345 | Masters in Business Administration | 15 | ACC – Accounting for Managers | Y |
| 346 | Masters in Business Administration | 16 | B&S – Business and Society | |
| 347 | Masters in Business Administration | 17 | MS I- Managerial Skill | Y |
| 348 | Masters in Business Administration | 21 | OB II- Organizational Behavior II | |
| 349 | Masters in Business Administration | 22 | BE-Business Environment | |
| 350 | Masters in Business Administration | 23 | MM I – Marketing Management I | Y |
| 351 | Masters in Business Administration | 24 | OM-Operation Management | Y |
| 352 | Masters in Business Administration | 25 | FM I-Financial Management | Y |
| 353 | Masters in Business Administration | 26 | BL – Business Law | |
| 354 | Masters in Business Administration | 27 | MS II- Managerial Skill | |
| 355 | Masters in Business Administration | 31 | Marketing Management II | Y |
| 356 | Masters in Business Administration | 32 | Financial Management II | Y |
| 357 | Masters in Business Administration | 33 | Human Resource Management | |



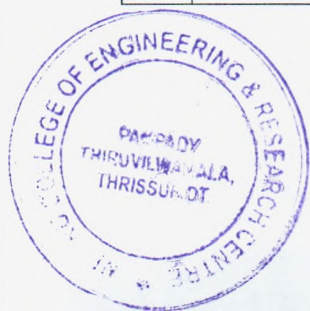
Ch
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin: 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------|------------------------------------|---|
| 358 | Masters in Business Administration | 34 | Business Research Methods | |
| 359 | Masters in Business Administration | 35 | Management Information System | |
| 360 | Masters in Business Administration | 36 | Operation Research | |
| 361 | Masters in Business Administration | 37 | Strategic Management | |
| 362 | Masters in Business Administration | 38 | Managerial Skills III | |
| 363 | Masters in Business Administration | 41 | IB-International Business | |
| 364 | Masters in Business Administration | 42 | BA-Business Analytics | Y |
| 365 | Masters in Business Administration | FIN-T4-1 | FM&S-Financial market and Services | |
| 366 | Masters in Business Administration | HRT404 | Managing self and others | |
| 367 | Masters in Business Administration | FINT405 | Investment management | Y |
| 368 | Masters in Business Administration | HR-T4-1 | T&D-Training and Development | |
| 369 | Masters in Business Administration | MKT406 | Sales and Distribution | |
| 370 | Masters in Business Administration | OMT401 | Supply chain and logistics | |
| 371 | Masters in Business Administration | MKT402 | Consumer behaviour | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|-----------|---|---|
| 372 | Masters in Business Administration | OM-T4-4 | Business Process Reengineering | |
| 373 | Masters in Business Administration | 51 | ESHIP- Entrepreneurship | |
| 374 | Masters in Business Administration | 52 | BE-Business Ethics & Corporate Governance | |
| 375 | Masters in Business Administration | FIN-T5-8/ | SAPM—Security Analysis and Portfolio Management/ | |
| 376 | Masters in Business Administration | OM-T5-12 | Six Sigma and Total Quality Management | |
| 377 | Masters in Business Administration | MKTT508 | Brand Management | |
| 378 | Masters in Business Administration | HRT508 | Compensation management | Y |
| 379 | Masters in Business Administration | Fin-T5-11 | Non Banking Financial System/ | |
| 380 | Masters in Business Administration | OM-T5-10 | IMPD-Innovation Management and New Product Development/ | |
| 381 | Masters in Business Administration | MKTT509 | Retail Management | |
| 382 | Masters in Business Administration | HR-T5-7 | Performance Management | |
| 383 | Masters in Business Administration | 61 | CCM-Cross cultural Management | |
| 384 | Masters in Business Administration | HRT613 | Management of Creativity | |

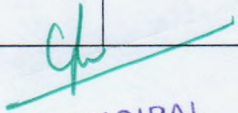


Handwritten signature

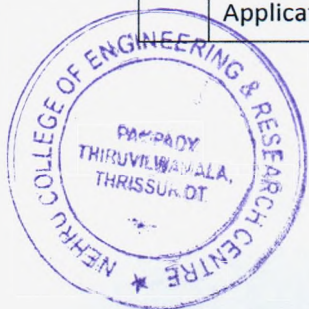
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

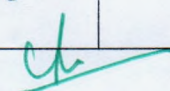
| | | | | |
|-----|------------------------------------|-----------|--|---|
| 385 | Masters in Business Administration | FIN-T6-13 | IM-Insurance Management | |
| 386 | Masters in Business Administration | OM-T6-13 | Business Sustainability | |
| 387 | Masters in Business Administration | MKT-T6-14 | B2B-Business to Business Marketing | Y |
| 388 | Masters in Computer Applications | RLMCA101 | Problem Solving and Computer Programming | |
| 389 | Masters in Computer Applications | RLMCA103 | Discrete Mathematics | |
| 390 | Masters in Computer Applications | RLMCA105 | Applied Probability and Statistics | |
| 391 | Masters in Computer Applications | RLMCA107 | Principles of Management | |
| 392 | Masters in Computer Applications | RLMCA109 | Digital Fundamentals | |
| 393 | Masters in Computer Applications | RLMCA131 | Programming Lab | |
| 394 | Masters in Computer Applications | RLMCA133 | Applied Statistics Lab | |
| 395 | Masters in Computer Applications | RLMCA102 | Object Oriented Programming | |
| 396 | Masters in Computer Applications | RLMCA104 | Data Structures | |
| 397 | Masters in Computer Applications | RLMCA106 | Operating Systems | |
| 398 | Masters in Computer Applications | RLMCA108 | Operations Research | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur DT
 Pin 680 597 Kerala

| | | | | |
|-----|----------------------------------|----------|---|---|
| 399 | Masters in Computer Applications | RLMCA112 | Computer Organization and Architecture | |
| 400 | Masters in Computer Applications | RLMCA132 | Object Oriented Programming Lab | Y |
| 401 | Masters in Computer Applications | RLMCA134 | Data Structures Lab | |
| 402 | Masters in Computer Applications | RLMCA201 | Computer Networks | Y |
| 403 | Masters in Computer Applications | RLMCA203 | Software Engineering | |
| 404 | Masters in Computer Applications | RLMCA205 | Database Management Systems | |
| 405 | Masters in Computer Applications | RLMCA207 | Design and Analysis of Algorithms | Y |
| 406 | Masters in Computer Applications | RLMCA209 | Web Programming | |
| 407 | Masters in Computer Applications | RLMCA231 | Database Lab | |
| 408 | Masters in Computer Applications | RLMCA233 | Web Programming Lab | Y |
| 409 | Masters in Computer Applications | RLMCA202 | Application Development and Maintenance | |
| 410 | Masters in Computer Applications | RLMCA204 | Bigdata Technologies | |
| 411 | Masters in Computer Applications | RLMCA206 | Mobile Computing | |
| 412 | Masters in Computer Applications | RLMCA208 | Introduction to Machine Learning | Y |



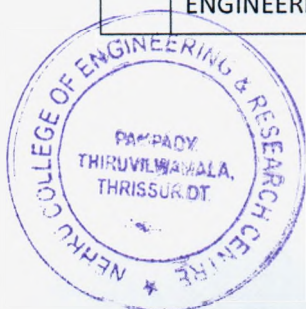

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady Thiruvilwamala, Thrissur Dt.
 Pin - 680 597 Kerala

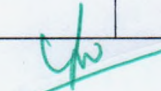
| | | | | |
|-----|----------------------------------|---------------|--|---|
| 413 | Masters in Computer Applications | RLMCA274 | Business Intelligence and its Applications | |
| 414 | Masters in Computer Applications | RLMCA232 | System Design Lab | Y |
| 415 | Masters in Computer Applications | RLMCA234 | Mobile Application Development Lab | Y |
| 416 | Masters in Computer Applications | MCA 10 401 | Cryptography and Network Security | |
| 417 | Masters in Computer Applications | MCA 10 402 | Software Architecture and Project Management | Y |
| 418 | Masters in Computer Applications | MCA 10 403 | Web Programming | Y |
| 419 | Masters in Computer Applications | MCA 10 404 C | Advanced DBMS | Y |
| 420 | Masters in Computer Applications | MCA 10 405 C | Embedded Systems | |
| 421 | Masters in Computer Applications | MCA 10 406(P) | MINI PROJECT | |
| 422 | Masters in Computer Applications | MCA10 501 | Object oriented modeling and Design | |
| 423 | Masters in Computer Applications | MCA10 502 | Computer Graphics and Multimedia Systems | |
| 424 | Masters in Computer Applications | MCA10 503 | Wireless Communication | |
| 425 | Masters in Computer Applications | MCA10 504 B | Computer Architecture | Y |



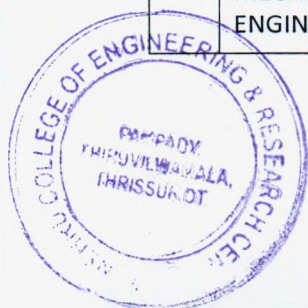
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady Thiruvilwamala, Thrissur Dt,
Pin - 680 597 Kerala

| | | | | |
|-----|----------------------------------|--------------|------------------------------------|---|
| 426 | Masters in Computer Applications | MCA10 505 A | Data Mining and Data ware housing | Y |
| 427 | Masters in Computer Applications | MCA10 506(p) | Seminar | Y |
| 428 | Masters in Computer Applications | MCA 10 601 | Project | |
| 429 | BTECH MECHANICAL ENGINEERING | ME 202 | Advanced Mechanics of Solids | Y |
| 430 | BTECH MECHANICAL ENGINEERING | ME 204 | Thermal Engineering | |
| 431 | BTECH MECHANICAL ENGINEERING | ME 206 | Fluid Machinery | |
| 432 | BTECH MECHANICAL ENGINEERING | ME 220 | Manufacturing Technology | Y |
| 433 | BTECH MECHANICAL ENGINEERING | ME 232 | Thermal Lab | v |
| 434 | BTECH MECHANICAL ENGINEERING | ME 230 | Fluid Lab | |
| 435 | BTECH MECHANICAL ENGINEERING | ME 302 | Heat and Mass Transfer | |
| 436 | BTECH MECHANICAL ENGINEERING | ME 304 | Dynamics of Machinery | |
| 437 | BTECH MECHANICAL ENGINEERING | ME 306 | Advanced Manufacturing Technology | |
| 438 | BTECH MECHANICAL ENGINEERING | ME 308 | Computer aided Design and Analysis | |
| 439 | BTECH MECHANICAL ENGINEERING | ME 312 | Metrology & Instrumentation | Y |



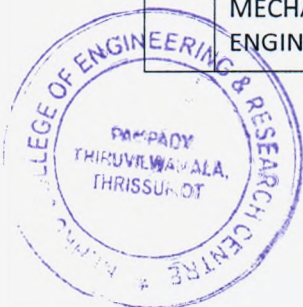

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin - 680 597 Kerala

| | | | | |
|-----|------------------------------------|--------------|---|---|
| 440 | BTECH MECHANICAL ENGINEERING | ME 366 | Advanced Metal Joining Technology | Y |
| 441 | BTECH MECHANICAL ENGINEERING | ME 368 | Marketing Management | Y |
| 442 | BTECH MECHANICAL ENGINEERING | ME 376 | Maintenance Engineering | Y |
| 443 | BTECH MECHANICAL ENGINEERING | ME 332 | Computer aided Design & Analysis Lab | |
| 444 | BTECH MECHANICAL ENGINEERING | ME 334 | Manufacturing Technology lab-II | |
| 445 | BTECH MECHANICAL ENGINEERING | ME 352 | Comprehensive Exam | Y |
| 446 | BTECH MECHANICAL ENGINEERING | ME14 801 | Mechatronics | Y |
| 447 | BTECH MECHANICAL ENGINEERING | ME14 802 | Power Plant Engineering | |
| 448 | BTECH MECHANICAL ENGINEERING | ME14 803 | Operations Management | |
| 449 | BTECH MECHANICAL ENGINEERING | ME14 804 (A) | Marketing management | |
| 450 | BTECH MECHANICAL ENGINEERING | ME14 805 (A) | Quality Engineering and management | |
| 451 | BTECH MECHANICAL ENGINEERING | ME14 806 (P) | Seminar | |
| 452 | BTECH MECHANICAL ENGINEERING | ME14 807 (P) | Project | Y |
| 453 | BTECH MECHANICAL ENGINEERING | ME 201 | Mechanics of Solids | Y |



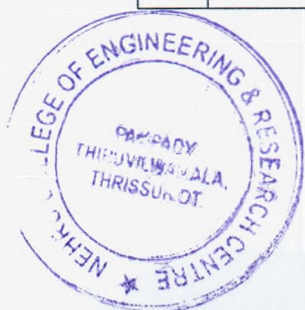
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady, Thiruvilwamala, Thrikkur Dt
Pin - 680 597 Kerala

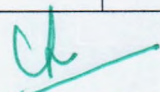
| | | | | |
|-----|------------------------------------|--------|--|--|
| 454 | BTECH MECHANICAL ENGINEERING | ME 203 | Mechanics of Fluids | |
| 455 | BTECH MECHANICAL ENGINEERING | ME 205 | Thermodynamics | |
| 456 | BTECH MECHANICAL ENGINEERING | ME 210 | Metallurgy & Material Engineering | |
| 457 | BTECH MECHANICAL ENGINEERING | HS 200 | Bussiness Economics | |
| 458 | BTECH MECHANICAL ENGINEERING | ME 231 | Computer aided Machine Drawing Lab | |
| 459 | BTECH MECHANICAL ENGINEERING | CE 230 | Material Testing Lab | |
| 460 | BTECH MECHANICAL ENGINEERING | ME 301 | Mechanics of Machines | |
| 461 | BTECH MECHANICAL ENGINEERING | ME 303 | Machine tools and digital Manufacturing | |
| 462 | BTECH MECHANICAL ENGINEERING | ME 305 | Computer programming and Numerical Methods | |
| 463 | BTECH MECHANICAL ENGINEERING | EE 311 | Electrical Drives and Controls | |
| 464 | BTECH MECHANICAL ENGINEERING | HS 300 | Principles of Management | |
| 465 | BTECH MECHANICAL ENGINEERING | ME 367 | Non-Destructive Testing | |
| 466 | BTECH MECHANICAL ENGINEERING | ME 341 | Design Project | |
| 467 | BTECH MECHANICAL ENGINEERING | EE 335 | Electrical and Electronics lab | |



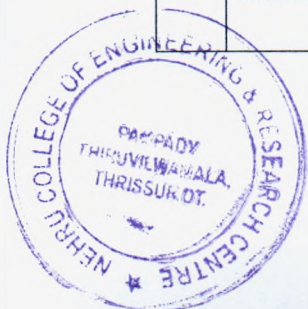
Ch
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dist
 Pin - 680 597 Kerala

| | | | | |
|-----|------------------------------------|--------------|--|---|
| 468 | BTECH MECHANICAL ENGINEERING | ME 331 | Manufacturing technology lab I | |
| 469 | BTECH MECHANICAL ENGINEERING | ME14 701 | Refrigeration and Air- conditioning | |
| 470 | BTECH MECHANICAL ENGINEERING | ME14 702 | Machine Design II | |
| 471 | BTECH MECHANICAL ENGINEERING | ME14 703 | Computer Integrated Manufacturing | Y |
| 472 | BTECH MECHANICAL ENGINEERING | ME14 704 (B) | Industrial safety and Engineering | |
| 473 | BTECH MECHANICAL ENGINEERING | ME14 705 (D) | Design of jigs and Fixtures | |
| 474 | BTECH MECHANICAL ENGINEERING | ME14 706 (P) | Thermal Lab II | |
| 475 | BTECH MECHANICAL ENGINEERING | ME14 707 (P) | Cad/Cam Lab | |
| 476 | BTECH MECHANICAL ENGINEERING | ME14 708 (P) | Project | |
| 477 | MTECH Machine Design | ME08 6001 | Research Methodology | |
| 478 | MTECH Machine Design | ME08 6011 | Advanced Engineering Mathematics | Y |
| 479 | MTECH Machine Design | ME08 6021 | Advanced Mechanics of Solids | Y |
| 480 | MTECH Machine Design | ME08 6031 | Theory of Vibrations | |
| 481 | MTECH Machine Design | ME08 6041 | Design Engineering | |
| 482 | MTECH Machine Design | ME08 6051 | Advanced Mechatronics Systems | |



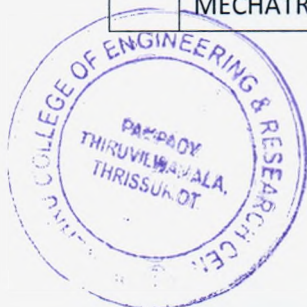

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Chempady Thiruvilwamala, Thrissur Dt
 Kerala

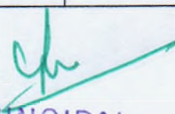
| | | | | |
|-----|-------------------------|-------------|--|---|
| 483 | MTECH Machine Design | ME08 6071 | Seminar | |
| 484 | MTECH Machine Design | ME08 6081 | Advanced Measurement Lab | Y |
| 485 | MTECH Machine Design | ME08 7013 A | Fracture Mechanics | |
| 486 | MTECH Machine Design | ME08 7023 C | Computer Integrated Manufacturing | |
| 487 | MTECH Machine Design | ME08 7033 | Seminar II | |
| 488 | MTECH Machine Design | ME08 7043 | Project | Y |
| 489 | MTECH Machine Design | 08ME6012 | Advanced Machine design | Y |
| 490 | MTECH Machine Design | 08ME6022 | Advanced Mechanisms Design and Simulation | Y |
| 491 | MTECH Machine Design | 08ME6032 | Advanced FEA | |
| 492 | MTECH Machine Design | 08ME6042(A) | Composite Materials | |
| 493 | MTECH Machine Design | 08ME6052(A) | Optimization Techniques in Design | |
| 494 | MTECH Machine Design | 08ME6062 | Mini Project | |
| 495 | MTECH Machine Design | 08ME6072 | CAD Lab | |
| 496 | MTECH Machine Design | 08ME7014 | Project (Phase II) | |
| 497 | B Tech- MECHATRONICS | MR201 | C Programming | |
| 498 | B Tech- MECHATRONICS | EE209 | Electrical Technology | Y |
| 499 | B Tech- MECHATRONICS | EC209 | Analog Electronics | Y |
| 500 | B Tech- MECHATRONICS | MR205 | Science of Measurements | Y |
| 501 | B Tech- MECHATRONICS | HS200/HS210 | Business Economics/Life Skills | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala


| | | | | |
|-----|-------------------------|-------|--|--|
| 502 | B Tech- MECHATRONICS | EC212 | Linear Integrated Circuits and Digital Electronics | |
| 503 | B Tech- MECHATRONICS | ME200 | Fluid Mechanics & Machinery | |
| 504 | B Tech- MECHATRONICS | EC234 | Linear Integrated Circuits and Digital Electronics Lab | |
| 505 | B Tech- MECHATRONICS | ME230 | Fluid Mechanics and Machinery Lab | |
| 506 | B Tech- MECHATRONICS | MR301 | Linear Control Systems | |
| 507 | B Tech- MECHATRONICS | MR303 | Microprocessors and Microcontrollers | |
| 508 | B Tech- MECHATRONICS | MR305 | PLC and Data Acquisition Systems | |
| 509 | B Tech- MECHATRONICS | MR307 | Thermodynamics | |
| 510 | B Tech- MECHATRONICS | MR331 | Microprocessors and Microcontrollers Lab | |
| 511 | B Tech- MECHATRONICS | MR333 | Metrology and PLC Lab | |
| 512 | B Tech- MECHATRONICS | MR361 | Reliability Engineering | |
| 513 | B Tech- MECHATRONICS | MR363 | Object Oriented Programming | |
| 514 | B Tech- MECHATRONICS | MR365 | Composite Materials | |
| 515 | B Tech- MECHATRONICS | MR302 | Robotics Engineering | |
| 516 | B Tech- MECHATRONICS | MR304 | Digital Image Processing and Machine Vision | |
| 517 | B Tech- MECHATRONICS | MR306 | Mechanics of Solids | |



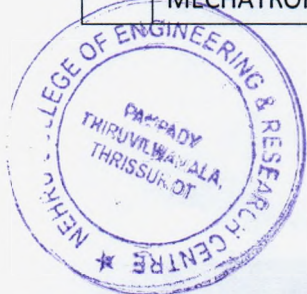

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

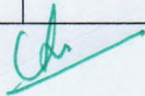
| | | | | |
|-----|-------------------------|--------------|-------------------------------------|--|
| 518 | B Tech- MECHATRONICS | MR308 | Digital Manufacturing | |
| 519 | B Tech- MECHATRONICS | MR332 | Manufacturing Engineering Lab | |
| 520 | B Tech- MECHATRONICS | MR334 | Advanced Instrumentation Lab | |
| 521 | B Tech- MECHATRONICS | MR352 | Comprehensive Exam | |
| 522 | B Tech- MECHATRONICS | MR362 | Digital Signal Processing | |
| 523 | B Tech- MECHATRONICS | MR364 | Energy Engineering Management | |
| 524 | B Tech- MECHATRONICS | MR366 | Biomaterials | |
| 525 | B Tech- MECHATRONICS | AE403 | Biomedical Instrumentation | |
| 526 | B Tech- MECHATRONICS | ME368 | Marketing Management | |
| 527 | B Tech- MECHATRONICS | MT14 701 | Design of Machine Elements | |
| 528 | B Tech- MECHATRONICS | MT14 702 | Micro Electro Mechanical Systems | |
| 529 | B Tech- MECHATRONICS | MT14 703 | Digital Signal Processing | |
| 530 | B Tech- MECHATRONICS | MT14 704 | Elective I | |
| 531 | B Tech- MECHATRONICS | MT14 705 | Elective II | |
| 532 | B Tech- MECHATRONICS | MT14 706 (P) | Digital Signal Processing Lab | |
| 533 | B Tech- MECHATRONICS | MT14 707 (P) | Mechatronics Lab | |
| 534 | B Tech- MECHATRONICS | MT14 708 (P) | Project | |
| 535 | B Tech- MECHATRONICS | MT14 704 (A) | Artificial Intelligence | |
| 536 | B Tech- MECHATRONICS | MT14 704 (B) | Industrial Automation | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|-------------------------|--------------|--|--|
| 537 | B Tech- MECHATRONICS | MT14 704 © | Computer Integrated Manufacturing | |
| 538 | B Tech- MECHATRONICS | MT14 704 (E) | Composite Materials | |
| 539 | B Tech- MECHATRONICS | MT14 704 (D) | Logistics & Supply Chain Management | |
| 540 | B Tech- MECHATRONICS | MT14 705 (A) | Nano Technology | |
| 541 | B Tech- MECHATRONICS | MT14 705 (B) | Industrial Tribology | |
| 542 | B Tech- MECHATRONICS | MT14 705 (C) | Non Destructive Testing | |
| 543 | B Tech- MECHATRONICS | MT14 705 (D) | Entrepreneurship development | |
| 544 | B Tech- MECHATRONICS | MT14 705 (E) | Special Electrical Machines | |
| 545 | B Tech- MECHATRONICS | MT14 801 | Automobile Electronics | |
| 546 | B Tech- MECHATRONICS | MT14 802 | Operations Research | |
| 547 | B Tech- MECHATRONICS | MT14 803 | Image Processing and Machine Vision | |
| 548 | B Tech- MECHATRONICS | MT14 804 | Elective III | |
| 549 | B Tech- MECHATRONICS | MT14 805 | Elective IV | |
| 550 | B Tech- MECHATRONICS | MT14 806 (P) | Seminar | |
| 551 | B Tech- MECHATRONICS | MT14 807 (P) | Project | |
| 552 | B Tech- MECHATRONICS | MT14 808 (P) | Viva Voce | |
| 553 | B Tech- MECHATRONICS | MT14 804 (A) | Quality Engineering & Management | |
| 554 | B Tech- MECHATRONICS | MT14 804 (B) | Research Methodology | |
| 555 | B Tech- MECHATRONICS | MT14 804 (C) | Micromachining | |
| 556 | B Tech- MECHATRONICS | MT14 804 (D) | Industrial Safety and Environment | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala


| | | | | |
|-----|--|---------------|--|---|
| 557 | B Tech- MECHATRONICS | MT14 804 (E) | Modelling and Simulation | |
| 558 | B Tech- MECHATRONICS | MT14 805 (A) | Flexible Manufacturing Methods | |
| 559 | B Tech- MECHATRONICS | MT14 805 (B) | Management Information System | |
| 560 | B Tech- MECHATRONICS | MT14 805 (C) | Computational methods in Engineering | |
| 561 | B Tech- MECHATRONICS | MT14 805 (D) | Creativity, Innovation & Product Development | |
| 562 | B Tech- MECHATRONICS | MT14 805 (E) | Fluid Power Control | |
| 563 | M Tech Computer Science and Engineering | 08 CS 7011(A) | Unix Internals | |
| 564 | M Tech Computer Science and Engineering | 08 CS 7021(B) | Semantic Web | |
| 565 | M Tech Computer Science and Engineering | 08 CS 7031(P) | Seminar II | |
| 566 | M Tech Computer Science and Engineering | 08 CS 7041(P) | Masters Research Project Phase 1 | Y |
| 567 | M Tech Computer Science and Engineering | 08 CS 7012(P) | Masters Research Project Phase 2 | Y |

No. of Courses:207



Principal



PRINCIPAL 
Nehru College of
Engineering and Research Centre
Pamapady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

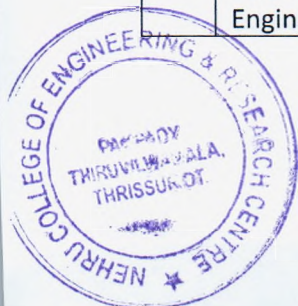
Academic Year4 2016-17



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

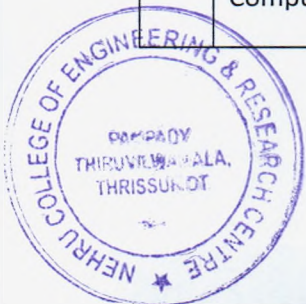
List for Courses 2016-17

| Sl No | Program Name | Course code | Course Name | Project/ Internship / Field visit |
|-------|--|-------------------------------|-----------------------------------|-----------------------------------|
| 1 | B.Tech. Computer Science and Engineering | BE101-0X | Introduction to _____ Engineering | |
| 2 | B.Tech. Computer Science and Engineering | CE110/ME110/EE110/EC110/CS110 | Basic Engineering Workshops | Y |
| 3 | B.Tech. Computer Science and Engineering | CS 100 | Computer Programming | |
| 4 | B.Tech. Computer Science and Engineering | CS201 | Discrete Computational Structures | |
| 5 | B.Tech. Computer Science and Engineering | CS203 | Switching Theory and Logic Design | Y |
| 6 | B.Tech. Computer Science and Engineering | CS205 | Data Structures | |
| 7 | B.Tech. Computer Science and Engineering | CS207 | Electronics Devices & Circuits | Y |
| 8 | B.Tech. Computer Science and Engineering | CS231 | Data Structures Lab | |



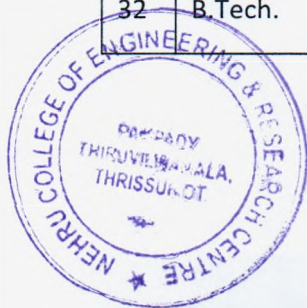
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|----|---|----------|---|---|
| 9 | B.Tech. Computer Science and Engineering | CS233 | Electronics Circuits Lab | |
| 10 | B.Tech. Computer Science and Engineering | CS202 | Computer Organization and Architecture | |
| 11 | B.Tech. Computer Science and Engineering | CS204 | Operating Systems | |
| 12 | B.Tech. Computer Science and Engineering | CS206 | Object Oriented Design and Programming | |
| 13 | B.Tech. Computer Science and Engineering | CS208 | Principles of Database Design | |
| 14 | B.Tech. Computer Science and Engineering | CS232 | Free and Open Source Software Lab | Y |
| 15 | B.Tech. Computer Science and Engineering | CS234 | Digital Systems Lab | |
| 16 | B.Tech. Computer Science and Engineering | CS14 501 | Engineering Economics and Principles of Management | Y |
| 17 | B.Tech. Computer Science and Engineering | CS14 502 | Software Engineering | |
| 18 | B.Tech. Computer Science and Engineering | CS14 503 | Operating Systems | Y |
| 19 | B.Tech. Computer Science and Engineering | CS14 504 | Database Management Systems | Y |
| 20 | B.Tech. Computer | CS14 505 | Digital Data Communication | Y |



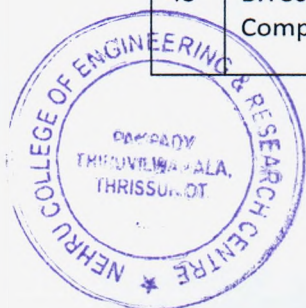
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

| | | | | |
|----|---|-------------|---------------------------------|---|
| | Science and Engineering | | | |
| 21 | B.Tech. Computer Science and Engineering | CS14 506 | Theory of Computation | |
| 22 | B.Tech. Computer Science and Engineering | CS14 507(P) | Object Oriented Programming Lab | |
| 23 | B.Tech. Computer Science and Engineering | CS14 508(P) | Hardware Lab | |
| 24 | B.Tech. Computer Science and Engineering | CS14 601 | Embedded System | Y |
| 25 | B.Tech. Computer Science and Engineering | CS14 602 | Computer Graphics & Multimedia | Y |
| 26 | B.Tech. Computer Science and Engineering | CS14 603 | Compiler Design | Y |
| 27 | B.Tech. Computer Science and Engineering | CS14 604 | Computer Networks | Y |
| 28 | B.Tech. Computer Science and Engineering | CS14 605 | Graph Theory and Combinatorics | Y |
| 29 | B.Tech. Computer Science and Engineering | CS14 606 | Management Information Systems | |
| 30 | B.Tech. Computer Science and Engineering | CS14 607(P) | Systems Lab | Y |
| 31 | B.Tech. Computer Science and Engineering | CS14 608(P) | Mini Project | Y |
| 32 | B.Tech. | CS09 701 | Wireless Networks | Y |



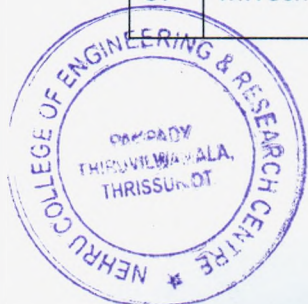

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pan-pady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|----|--|-------------|---|---|
| | Computer Science and Engineering | | and Mobile Communication Systems | |
| 33 | B.Tech. Computer Science and Engineering | CS09 702 | Design and Analysis of Algorithms | Y |
| 34 | B.Tech. Computer Science and Engineering | CS09 703 | Internet Technology | |
| 35 | B.Tech. Computer Science and Engineering | CS09 704 | Cryptography and Network Security | |
| 36 | B.Tech. Computer Science and Engineering | CS09 707(P) | Compiler Lab | |
| 37 | B.Tech. Computer Science and Engineering | CS09 708(P) | Network Programming Lab | Y |
| 38 | B.Tech. Computer Science and Engineering | CS09 709(P) | Project | Y |
| 39 | B.Tech. Computer Science and Engineering | CS09 801 | Computer Architecture and Parallel Processing | Y |
| 40 | B.Tech. Computer Science and Engineering | CS09 802 | Data mining and Warehousing | |
| 41 | B.Tech. Computer Science and Engineering | CS09 805(P) | Project | |
| 42 | B.Tech. Computer Science and Engineering | CS09 806(P) | Seminar | |
| 43 | B.Tech. Computer | CS09 807(P) | Viva – Voce | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

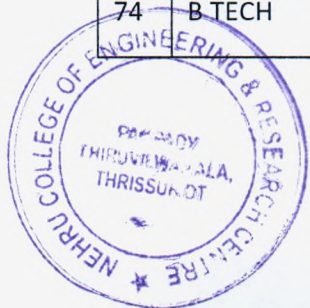
| | | | | |
|----|--|--------------|--|---|
| | Science and Engineering | | | |
| 44 | B.Tech. Computer Science and Engineering | CS09 L01 | Information Security | |
| 45 | B.Tech. Computer Science and Engineering | CS09 L04 | Object Oriented Modeling and Design | |
| 46 | B.Tech. Computer Science and Engineering | CS09 L07 | Distributed Systems | |
| 47 | B.Tech. Computer Science and Engineering | CS09 L11 | Advanced Database Design | |
| 48 | B.Tech. Computer Science and Engineering | CS09 L20 | Information Retrieval | |
| 49 | B.Tech. Computer Science and Engineering | PE09 L23 | Total Quality Management | |
| 50 | M.Tech Cyber Security | 08CS 6211 | Mathematical Foundations of Computer Science | Y |
| 51 | M.Tech Cyber Security | 08CS 6221 | Internetworking – Protocols and Security | |
| 52 | M.Tech Cyber Security | 08CS 6231 | Advanced Cryptography | Y |
| 53 | M.Tech Cyber Security | 08CS 6241 | Advanced Computer Architecture | Y |
| 54 | M.Tech Cyber Security | 08CS 6251(A) | High Speed Networks | |
| 55 | M.Tech Cyber Security | 08GN 6001 | Research Methodology | |
| 56 | M.Tech Cyber Security | 08CS 6271 | Seminar I | |
| 57 | M.Tech Cyber | 08CS 6281 | Advanced Networking Lab | Y |

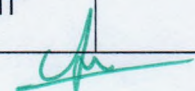


Ch

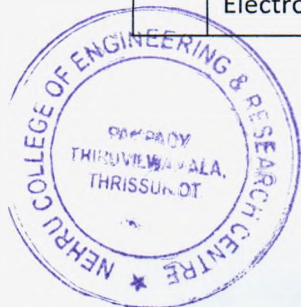
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panapady, Thiruvilwamala, Thirissur Dt
Pin 680 597 Kerala

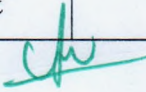
| | | | | |
|----|--|--------------|---|---|
| | Security | | | |
| 58 | M.Tech Cyber Security | 08CS 6212 | Mobile and Wireless Network Security | Y |
| 59 | M.Tech Cyber Security | 08CS 6222 | Secure Coding | |
| 60 | M.Tech Cyber Security | 08CS 6232 | Digital Forensics | Y |
| 61 | M.Tech Cyber Security | 08CS 6242(A) | Data Compression | |
| 62 | M.Tech Cyber Security | 08CS 6252(C) | Soft Computing | |
| 63 | M.Tech Cyber Security | 08CS 6262 | Mini Project | |
| 64 | M.Tech Cyber Security | 08CS 6272 | Cyber Security Lab | Y |
| 65 | M.Tech Cyber Security | 08CS 7213 | Elective IV | Y |
| 66 | M.Tech Cyber Security | 08CS 7223 | Elective V | Y |
| 67 | M.Tech Cyber Security | 08CS 7233 | Seminar II | Y |
| 68 | M.Tech Cyber Security | 08CS 7243 | Project (Phase 1) | |
| 69 | M.Tech Cyber Security | 08CS 7214 | Project (Phase 2) | |
| 70 | B TECH Electronics & Communication Engineering | BE101 | INTRODUCTION TO ELECTRONICS ENGINEERING | |
| 71 | B TECH Electronics & Communication Engineering | EC201 | NETWORK THEORY | |
| 72 | B TECH Electronics & Communication Engineering | EC203 | SOLID STATE DEVICES | |
| 73 | B TECH Electronics & Communication Engineering | EC205 | ELECTRONIC CIRCUITS | |
| 74 | B TECH | EC207 | LOGIC CIRCUIT | |



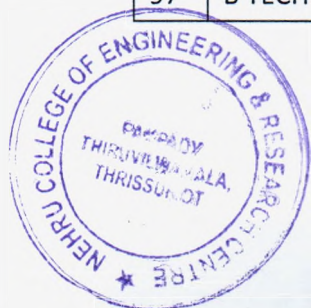

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panapady Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|----|--|----------|---|---|
| | Electronics & Communication Engineering | | DESIGN | |
| 75 | B TECH Electronics & Communication Engineering | MS210 | LIFE SKILLS | |
| 76 | B TECH Electronics & Communication Engineering | EC231 | ELECTRONIC DEVICES & CIRCUITS LAB | |
| 77 | B TECH Electronics & Communication Engineering | EC233 | ELECTRONIC DESIGN AUTOMATION LAB | Y |
| 78 | B TECH Electronics & Communication Engineering | MA204 | PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS | |
| 79 | B TECH Electronics & Communication Engineering | EC202 | SIGNALS & SYSTEMS | |
| 80 | B TECH Electronics & Communication Engineering | EC204 | ANALOG INTEGRATED CIRCUITS | |
| 81 | B TECH Electronics & Communication Engineering | EC206 | COMPUTER ORGANIZATION | |
| 82 | B TECH Electronics & Communication Engineering | EC208 | ANALOG COMMUNICATION ENGINEERING | |
| 83 | B TECH Electronics & Communication Engineering | HS200 | BUSINESS ECONOMICS | |
| 84 | B TECH Electronics & Communication Engineering | EC232 | ANALOG INTEGRATED CIRCUITS LAB | |
| 85 | B TECH Electronics & | EC14 501 | Computer Organization & | Y |



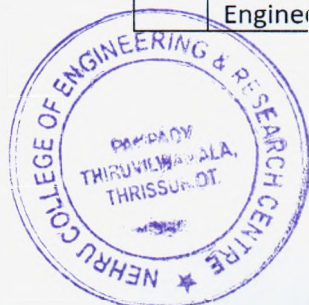

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thirissur Dt,
 Pin 680 597 Kerala

| | | | | |
|----|---|--------------|---|---|
| | Communication Engineering | | Architecture | |
| 86 | B TECH Electronics & Communication Engineering | EC14 502 | Linear Integrated Circuits | |
| 87 | B TECH Electronics & Communication Engineering | EC14 503 | Digital Communication | |
| 88 | B TECH Electronics & Communication Engineering | EC14 504 | Electromagnetic Field Theory | |
| 89 | B TECH Electronics & Communication Engineering | EC14 505 | Microprocessors and Microcontrollers | |
| 90 | B TECH Electronics & Communication Engineering | EC14 506 | Quantitative Techniques & Managerial Decisions | |
| 91 | B TECH Electronics & Communication Engineering | EC14 507 (P) | <i>Analog Communication Lab</i> | |
| 92 | B TECH Electronics & Communication Engineering | EC14 508 (P) | <i>Linear Integrated Circuits Lab</i> | Y |
| 93 | B TECH Electronics & Communication Engineering | EC14 601 | Radiation and Propagation | |
| 94 | B TECH Electronics & Communication Engineering | EC14 602 | Optical Communication | |
| 95 | B TECH Electronics & Communication Engineering | EC14 603 | VLSI design | |
| 96 | B TECH Electronics & Communication Engineering | EC14 604 | Digital Signal Processing | |
| 97 | B TECH | EC14 605 | Control Systems | |



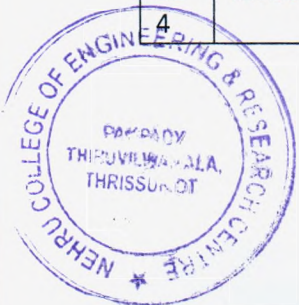

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady Thiruvilwamala, Thiruvananthapuram Dt
 Pin 680 597 Kerala

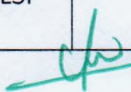
| | | | | |
|-----|---|--------------|---|---|
| | Electronics & Communication Engineering | | | |
| 98 | B TECH Electronics & Communication Engineering | EC14 606 | Satellite Communication | Y |
| 99 | B TECH Electronics & Communication Engineering | EC14 607 (P) | <i>Microprocessors and Microcontrollers Lab</i> | Y |
| 100 | B TECH Electronics & Communication Engineering | EC14 608 (P) | <i>Mini Project</i> | Y |
| 101 | B TECH Electronics & Communication Engineering | EC09 701 | INFORMATIVE THEORY AND CODING | Y |
| 102 | B TECH Electronics & Communication Engineering | EC09 702 | MICROWAVE ENGINEERING | |
| 103 | B TECH Electronics & Communication Engineering | EC09 703 | ANALOG & MIXED MOS CIRCUITS | Y |
| 104 | B TECH Electronics & Communication Engineering | EC09 704 | DIGITAL SYSTEM DESIGN | |
| 105 | B TECH Electronics & Communication Engineering | EC09 707(P) | COMMUNICATION SYSTEMS LAB | |
| 106 | B TECH Electronics & Communication Engineering | EC09 708(P) | VLSI DESIGN LAB | |
| 107 | B TECH Electronics & Communication Engineering | EC09 709(P) | PROJECT | Y |
| 108 | B TECH Electronics & Communication Engineering | EC09 801 | DATA & COMMUNICATION NETWORKS | |



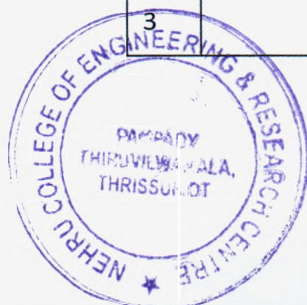
Ch
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panapady, Thiruvilwamala, Thrikkur Dt.
 Pin 680 597 Kerala

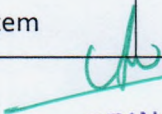
| | | | | |
|-----|---|---------------|---|---|
| 109 | B TECH Electronics & Communication Engineering | EC09 802 | WIRELESS MOBILE COMMUNICATION | Y |
| 110 | B TECH Electronics & Communication Engineering | EC09 805(P) | SEMINAR | |
| 111 | B TECH Electronics & Communication Engineering | EC09 806(P) | PROJECT | Y |
| 112 | B TECH Electronics & Communication Engineering | EC09 807(P) | VIVA VOCE | Y |
| 113 | MTECH VLSI | 08EC6311 | ADVANCED ENGG MATHEMATICS | Y |
| 114 | MTECH VLSI | 08EC6321 | CMOS VLSI DESIGN | Y |
| 115 | MTECH VLSI | 08EC6331 | ADVANCED DSD | Y |
| 116 | MTECH VLSI | 08EC6341 | VLSI FABRICATION TECHNOLOGY | Y |
| 117 | MTECH VLSI | 08EC6351 | DIGITAL INTEGRATED CIRCUITS | |
| 118 | MTECH VLSI | 08EC6001 | RESEARCH METHODOLOGY | Y |
| 119 | MTECH VLSI | 08EC6371 | SEMINAR | |
| 120 | MTECH VLSI | 08EC6381 | VLSI DESIGN LAB | Y |
| 121 | MTECH VLSI | 08 EC 6312 | ANALOG VLSI DESIGN | Y |
| 122 | MTECH VLSI | 08 EC 6322 | CAD OF VLSI CIRCUITS | Y |
| 123 | MTECH VLSI | 08 EC 6332 | TESTING & VERIFICATION OF VLSI CIRCUITS | Y |
| 124 | MTECH VLSI | 08 EC 6342(A) | LOW POWER VLSI DESIGN | Y |

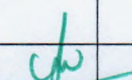


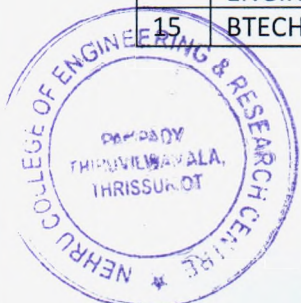

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Paripady, Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|---------|------------|---------------|--|---|
| 12 5 | MTECH VLSI | 08 EC 6352(B) | SoC DESIGN & VERIFICATION | Y |
| 12 6 | MTECH VLSI | 08 EC 6362 | MINI PROJECT | |
| 12 7 | MTECH VLSI | 08 EC 6372 | TESTING & VERIFICATION OF VLSI LAB | Y |
| 12 8 | MTECH VLSI | 08EC7313 | FPGA ARCHITECTURE | Y |
| 12 9 | MTECH VLSI | 08EC7323 | SYSTEM VERILOG | Y |
| 13 0 | MTECH VLSI | 08EC7333 | SEMINAR | |
| 13 1 | MTECH VLSI | 08EC7343 | PROJECT PHASE 1 | Y |
| 13 2 | MTECH VLSI | 08EC7314 | PROJECT PHASE II | Y |
| 13 3 | MTECH VLSI | 08EC6351A | Electronic System Design | Y |
| 13 4 | MTECH VLSI | 08EC6351B | Digital Integrated Circuits Design | |
| 13 5 | MTECH VLSI | 08EC6351C | Designing with Microcontrollers | Y |
| 13 6 | MTECH VLSI | 08EC6342A | Low Power VLSI Design | Y |
| 13 7 | MTECH VLSI | 08EC6342B | Synthesis and optimization of Digital Circuits | Y |
| 13 8 | MTECH VLSI | 08EC6342C | Design of Digital Signal Processing | Y |
| 13 9 | MTECH VLSI | 08EC6352A | High Speed Digital Design | Y |
| 14 0 | MTECH VLSI | 08EC6352B | SoC Design & Verification | Y |
| 14 1 | MTECH VLSI | 08EC6352C | Nano electronics | |
| 14 2 | MTECH VLSI | 08EC7313A | FPGA Architecture & Applications | Y |
| 14 3 | MTECH VLSI | 08EC7313B | Mixed SignalSystem | |



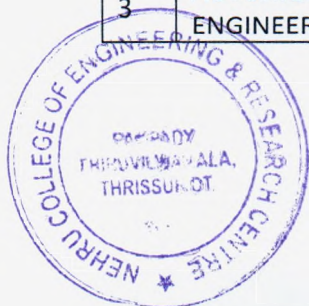

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

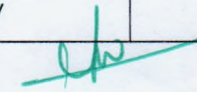
| | | | Design | |
|-----|------------------------------|-----------|---|---|
| 144 | MTECH VLSI | 08EC7313C | ASIC Design | |
| 145 | MTECH VLSI | 08EC7323A | System Verilog | Y |
| 146 | MTECH VLSI | 08EC7323B | Hardware Software Co Design | Y |
| 147 | MTECH VLSI | 08EC7323C | VLSI Signal Processing | Y |
| 148 | BTECH AUTOMOBILE ENGINEERING | MA101 | Calculus | Y |
| 149 | BTECH AUTOMOBILE ENGINEERING | BE101-02 | Introduction to Mechanical Engineering Sciences | |
| 150 | BTECH AUTOMOBILE ENGINEERING | BE103 | Introduction to Sustainable Engineering | |
| 151 | BTECH AUTOMOBILE ENGINEERING | MA102 | Differential Equations | Y |
| 152 | BTECH AUTOMOBILE ENGINEERING | BE110 | Engineering Graphics | Y |
| 153 | BTECH AUTOMOBILE ENGINEERING | BE102 | Design & Engineering | Y |
| 154 | BTECH AUTOMOBILE ENGINEERING | CE 100 | Basics of Civil Engineering | Y |
| 155 | BTECH AUTOMOBILE ENGINEERING | EC 100 | Basics of Electronics Engineering | Y |
| 156 | BTECH AUTOMOBILE ENGINEERING | CY110 | Engineering Chemistry Lab | Y |
| 157 | BTECH AUTOMOBILE ENGINEERING | MA 201 | Linear Algebra & Complex Analysis | Y |
| 158 | BTECH AUTOMOBILE ENGINEERING | ME201 | Mechanics of Solids | Y |
| 159 | BTECH | AU201 | S I Engines &  | Y |



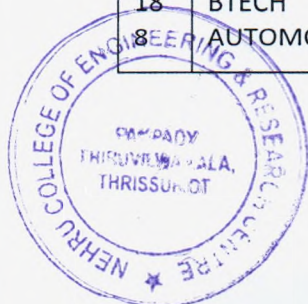
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

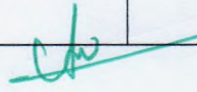
| | | | | |
|-----|------------------------------|--------------|--|---|
| 9 | AUTOMOBILE ENGINEERING | | Combustion | |
| 160 | BTECH AUTOMOBILE ENGINEERING | AU203 | Auto Chassis | Y |
| 161 | BTECH AUTOMOBILE ENGINEERING | HS200/ HS210 | Business Economics/Life Skills | |
| 162 | BTECH AUTOMOBILE ENGINEERING | CE230 | Material Testing Lab | Y |
| 163 | BTECH AUTOMOBILE ENGINEERING | AU202 | Advanced Thermodynamics | Y |
| 164 | BTECH AUTOMOBILE ENGINEERING | AU204 | C I Engines & Combustion | Y |
| 165 | BTECH AUTOMOBILE ENGINEERING | AU206 | Auto Transmission | Y |
| 166 | BTECH AUTOMOBILE ENGINEERING | AU208 | Computer Programming | |
| 167 | BTECH AUTOMOBILE ENGINEERING | AU232 | Computer Programming Lab | Y |
| 168 | BTECH AUTOMOBILE ENGINEERING | AU234 | Vehicle Systems Lab | |
| 169 | BTECH AUTOMOBILE ENGINEERING | AM14 501 | Engineering Economics & Principles of Management | |
| 170 | BTECH AUTOMOBILE ENGINEERING | AM14 502 | Vehicle Manufacturing Technology | Y |
| 171 | BTECH AUTOMOBILE ENGINEERING | AM14 503 | Vehicular Design Engineering 1 | Y |
| 172 | BTECH AUTOMOBILE ENGINEERING | AM14 504 | Electrical Technology | Y |
| 173 | BTECH AUTOMOBILE ENGINEERING | AM14 505 | Mechanics of Machinery | Y |



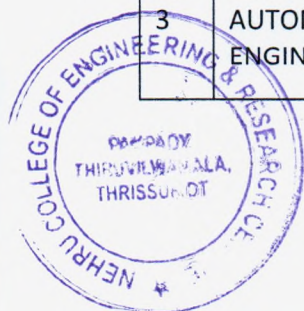

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Campady Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|---------|------------------------------------|--------------|--|---|
| 17 4 | BTECH AUTOMOBILE ENGINEERING | AM14 506 | Metrology & Instrumentation | Y |
| 17 5 | BTECH AUTOMOBILE ENGINEERING | AM14 507 (P) | Electrical Technology Lab | |
| 17 6 | BTECH AUTOMOBILE ENGINEERING | AM14 508 (P) | Instrumentation Lab | Y |
| 17 7 | BTECH AUTOMOBILE ENGINEERING | AM14 601 | Automotive Vibrations | Y |
| 17 8 | BTECH AUTOMOBILE ENGINEERING | AM14 602 | Vehicle Transport & Fleet management | Y |
| 17 9 | BTECH AUTOMOBILE ENGINEERING | AM14 603 | Vehicular Design Engineering 2 | |
| 18 0 | BTECH AUTOMOBILE ENGINEERING | AM14 604 | Vehicle Dynamics | |
| 18 1 | BTECH AUTOMOBILE ENGINEERING | AM14 605 | Computer Simulation of IC engine Processes | |
| 18 2 | BTECH AUTOMOBILE ENGINEERING | AM14 606 | Composite Materials | |
| 18 3 | BTECH AUTOMOBILE ENGINEERING | AM14 607 (P) | CAD-CAM-CAE Lab | |
| 18 4 | BTECH AUTOMOBILE ENGINEERING | AM14 608 (P) | Thermal Lab I | |
| 18 5 | BTECH AUTOMOBILE ENGINEERING | AM09 701 | Machine Design - II | |
| 18 6 | BTECH AUTOMOBILE ENGINEERING | AM09 702 | Operation Management | |
| 18 7 | BTECH AUTOMOBILE ENGINEERING | AM09 703 | Auto electrical & electronics | |
| 18 8 | BTECH AUTOMOBILE ENGINEERING | AM09 704 | Auto power plant | |



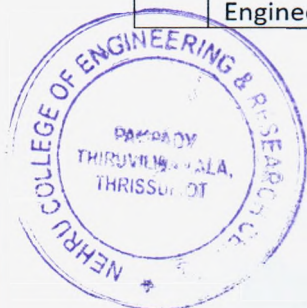

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady, Thiruvilwamala, Thirissur Dt.
 Pin 680 597 Kerala

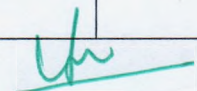
| | ENGINEERING | | | |
|-----|------------------------------------|-------------|--|---|
| 189 | BTECH AUTOMOBILE ENGINEERING | AM09 L06 | Aerospace Engineering | |
| 190 | BTECH AUTOMOBILE ENGINEERING | AM 09 L07 | Combustion Engineering | |
| 191 | BTECH AUTOMOBILE ENGINEERING | AM 09 L08 | Computational Fluid Dynamics | |
| 192 | BTECH AUTOMOBILE ENGINEERING | AM 09 L09 | Computerized Materials Management | |
| 193 | BTECH AUTOMOBILE ENGINEERING | AM 09 L10 | Control System Engineering | |
| 194 | BTECH AUTOMOBILE ENGINEERING | AM 09 L11 | Cryogenic Engineering | |
| 195 | BTECH AUTOMOBILE ENGINEERING | AM 09 L12 | Design of Heat Transfer Equipments | |
| 196 | BTECH AUTOMOBILE ENGINEERING | AM 09 L13 | Design of Jigs and Fixtures | |
| 197 | BTECH AUTOMOBILE ENGINEERING | AM09 707(P) | CAD Lab | |
| 198 | BTECH AUTOMOBILE ENGINEERING | AM09 708(P) | Thermal lab-II | |
| 199 | BTECH AUTOMOBILE ENGINEERING | AM09 709(P) | Project | Y |
| 200 | BTECH AUTOMOBILE ENGINEERING | AM 09 801 | Transport refrigeration and air conditioning | Y |
| 201 | BTECH AUTOMOBILE ENGINEERING | | | |
| 202 | BTECH AUTOMOBILE ENGINEERING | AM 09 802 | Vehicle Maintenance and Testing | |
| 203 | BTECH AUTOMOBILE ENGINEERING | AM 09 L14 | Design of Pressure Vessels and Piping | |



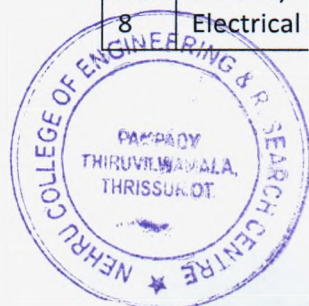

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady Thiruvilwamala, Thirissur Dt
 Pin. 680 597 Kerala

| | | | | |
|---------|--|--------------|--|---|
| 20 4 | BTECH AUTOMOBILE ENGINEERING | AM 09 L15 | Financial Management | |
| 20 5 | BTECH AUTOMOBILE ENGINEERING | AM 09 L16 | Fracture Mechanics | |
| 20 6 | BTECH AUTOMOBILE ENGINEERING | AM 09 L17 | Heating, Ventilation and Air- conditioning Design | |
| 20 7 | BTECH AUTOMOBILE ENGINEERING | AM 09 L18 | Industrial Automation | Y |
| 20 8 | BTECH AUTOMOBILE ENGINEERING | AM 09 L19 | Industrial Tribology | Y |
| 20 9 | BTECH AUTOMOBILE ENGINEERING | AM 09 L20 | Logistics and Supply Chain Management | |
| 21 0 | BTECH AUTOMOBILE ENGINEERING | AM 09 L25 * | Technology Forecasting | |
| 21 1 | BTECH AUTOMOBILE ENGINEERING | AM 09 805(P) | Seminar | Y |
| 21 2 | BTECH AUTOMOBILE ENGINEERING | AM 09 806(P) | Project | |
| 21 3 | BTECH AUTOMOBILE ENGINEERING | AM 09 807(P) | Viva voce | |
| 21 4 | B Tech., Electrical and Electronics Engineering | PH100 | Engineering Physics | |
| 21 5 | B Tech., Electrical and Electronics Engineering | BE101-03 | Introduction to Electrical Engineering | |
| 21 6 | B Tech., Electrical and Electronics Engineering | EE100 | Basics of Electrical Engineering | |



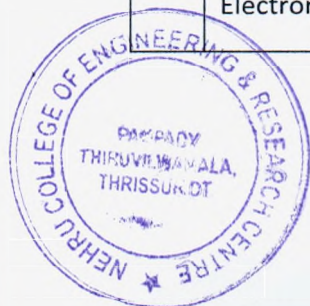

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|---------|--|-------------|---|---|
| 21 7 | B Tech., Electrical and Electronics Engineering | ME 100 | Basics of Mechanical Engineering | |
| 21 8 | B Tech., Electrical and Electronics Engineering | EC 100 | Basics of Electronics Engineering | |
| 21 9 | B Tech., Electrical and Electronics Engineering | EN14 301 | Engineering Mathematics III | |
| 22 0 | B Tech., Electrical and Electronics Engineering | EN14 302 | Computer Programming in C | |
| 22 1 | B Tech., Electrical and Electronics Engineering | EE14 303 | Electric Circuit Theory | Y |
| 22 2 | B Tech., Electrical and Electronics Engineering | EE14 304 | Electrical Measurements And Instrumentation Systems | |
| 22 3 | B Tech., Electrical and Electronics Engineering | EE14 305 | Analog Electronics | Y |
| 22 4 | B Tech., Electrical and Electronics Engineering | EE14 306 | Mechanical Engineering | |
| 22 5 | B Tech., Electrical and Electronics Engineering | EE14 307(P) | Basic Electrical Engineering Lab | |
| 22 6 | B Tech., Electrical and Electronics Engineering | EE14 308(P) | Electronics Lab | |
| 22 7 | B Tech., Electrical and Electronics Engineering | EN14 401 B | Engineering Mathematics IV | |
| 22 8 | B Tech., Electrical and | EN14 402 | Environmental Science | |



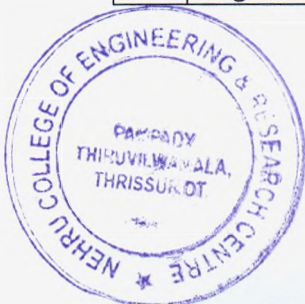

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

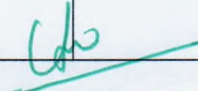
| | | | | |
|---------|--|-------------|---|---|
| | Electronics Engineering | | | |
| 22 9 | B Tech., Electrical and Electronics Engineering | EE14 403 | Electrical Machines I | |
| 23 0 | B Tech., Electrical and Electronics Engineering | EE14 404 | Signals and Systems | |
| 23 1 | B Tech., Electrical and Electronics Engineering | EE14 405 | Digital Electronics | Y |
| 23 2 | B Tech., Electrical and Electronics Engineering | EE14 406 | Electromagnetic Field Theory | |
| 23 3 | B Tech., Electrical and Electronics Engineering | EE14 407(P) | Mechanical Engg. Lab | |
| 23 4 | B Tech., Electrical and Electronics Engineering | EE14 408(P) | Electrical Measurements & Instrumentation Lab | |
| 23 5 | B Tech., Electrical and Electronics Engineering | EE 09 501 | Synchronous and Induction Machines | |
| 23 6 | B Tech., Electrical and Electronics Engineering | EE 09 502 | Power System Generation, Transmission and Distribution | |
| 23 7 | B Tech., Electrical and Electronics Engineering | EE 09 503 | Linear Control Systems | |
| 23 8 | B Tech., Electrical and Electronics Engineering | EE 09 504 | Power Electronics | |
| 23 9 | B Tech., Electrical and Electronics | EE 09 505 | Digital system Design | |



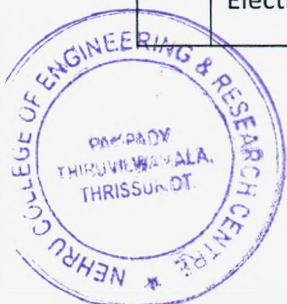

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|---------|--|--------------|---|---|
| | Engineering | | | |
| 24 0 | B Tech., Electrical and Electronics Engineering | EE 09 506 | Electrical Material Science | |
| 24 1 | B Tech., Electrical and Electronics Engineering | EE 09 507(P) | Electrical Machines Lab-I | |
| 24 2 | B Tech., Electrical and Electronics Engineering | EE 09 508(P) | Digital Electronics Lab | |
| 24 3 | B Tech., Electrical and Electronics Engineering | EE 09 601 | Microprocessors and Microcontrollers | |
| 24 4 | B Tech., Electrical and Electronics Engineering | EE 09 602 | Engineering Economics and Principles of Management | |
| 24 5 | B Tech., Electrical and Electronics Engineering | EE 09 603 | Modern Control Theory | Y |
| 24 6 | B Tech., Electrical and Electronics Engineering | EE 09 604 | Electric Drives | |
| 24 7 | B Tech., Electrical and Electronics Engineering | EE 09 605 | Electrical Engineering Drawing | |
| 24 8 | B Tech., Electrical and Electronics Engineering | EE 09 L06 | Bio- Medical Engineering | |
| 24 9 | B Tech., Electrical and Electronics Engineering | EE 09 607(P) | Electrical Machines Lab-II | |
| 25 0 | B Tech., Electrical and Electronics Engineering | EE 09 608(P) | Mini Project | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampadu Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

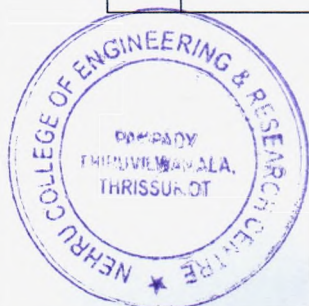
| | | | | |
|---------|--|--------------|---|---|
| 25 1 | B Tech., Electrical and Electronics Engineering | EE 09 701 | Power System Analysis | |
| 25 2 | B Tech., Electrical and Electronics Engineering | EE 09 702 | Analog & Digital Communication | |
| 25 3 | B Tech., Electrical and Electronics Engineering | EE 09 703 | Digital Signal Processing | |
| 25 4 | B Tech., Electrical and Electronics Engineering | EE 09 704 | Electrical Machine Design | |
| 25 5 | B Tech., Electrical and Electronics Engineering | EE09 L06 | Special Electrical Machines | |
| 25 6 | B Tech., Electrical and Electronics Engineering | EE09 L10 | Switched Mode Power Converters | |
| 25 7 | B Tech., Electrical and Electronics Engineering | EE 09 707(P) | Power electronics Lab | Y |
| 25 8 | B Tech., Electrical and Electronics Engineering | EE 09 708(P) | Advanced Electrical Engg. Lab | |
| 25 9 | B Tech., Electrical and Electronics Engineering | EE 09 709(P) | Project | |
| 26 0 | B Tech., Electrical and Electronics Engineering | EE 09 801 | Electrical System Design | |
| 26 1 | B Tech., Electrical and Electronics Engineering | EE 09 802 | Power System Protection & Utilization | |
| 26 2 | B Tech., Electrical and Electronics | EE09 L13 | High voltage Engineering | |



Handwritten signature in green ink.

PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady Thiruvilwamala, Thrikkur Dt
Pin - 680 597 Kerala

| | | | | |
|---------|--|--------------|---|---|
| | Engineering | | | |
| 26 3 | B Tech., Electrical and Electronics Engineering | EE09 L21 | Organizational Behavior | |
| 26 4 | B Tech., Electrical and Electronics Engineering | EE 09 805(P) | Seminar | |
| 26 5 | B Tech., Electrical and Electronics Engineering | EE 09 806(P) | Project | |
| 26 6 | B Tech., Electrical and Electronics Engineering | EE 09 807(P) | Viva Voce | |
| 26 7 | Mtech(Energy Systems) | 08EE6011 | Applied Mathematics | |
| 26 8 | Mtech(Energy Systems) | 08EE6021 | Advanced Energy Conversion Systems | |
| 26 9 | Mtech(Energy Systems) | 08EE6031 | Renewable Energy Technology | |
| 27 0 | Mtech(Energy Systems) | 08EE6041 | Electrical Energy Systems and Management | |
| 27 1 | Mtech(Energy Systems) | 08EE6051(A) | Energy Policies for Sustainable Development | |
| 27 2 | Mtech(Energy Systems) | 08GN6001 | Research Methodology | |
| 27 3 | Mtech(Energy Systems) | 08EE6071 | Seminar | Y |
| 27 4 | Mtech(Energy Systems) | 08EE6081 | Energy Systems Lab | |
| 27 5 | Mtech(Energy Systems) | 08EE6012 | Design and Analysis of Energy Systems | Y |
| 27 6 | Mtech(Energy Systems) | 08EE6022 | Energy Conservation in Thermal Systems | |



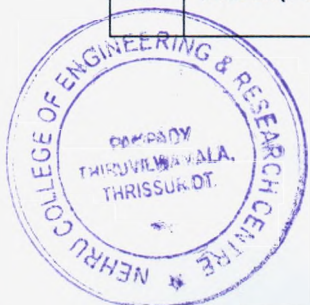

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|---------|-----------------------------------|---------------|--|---|
| 27 7 | Mtech(Energy Systems) | 08EE6032 | Energy and Environment | Y |
| 27 8 | Mtech(Energy Systems) | 08EE6042(A) | Hydro Power Systems | |
| 27 9 | Mtech(Energy Systems) | 08EE6052(A) | Wind Energy and it's utilization | |
| 28 0 | Mtech(Energy Systems) | 08EE6062 | Mini Project | Y |
| 28 1 | Mtech(Energy Systems) | 08EE6072 | Power Electronics Lab | Y |
| 28 2 | Mtech(Energy Systems) | MES10 301 (A) | Research Methodology | |
| 28 3 | Mtech(Energy Systems) | MES10 302 (C) | Nanomaterials and Nanotechnology | |
| 28 4 | Mtech(Energy Systems) | MESC10 303(P) | *Industrial Training | |
| 28 5 | Mtech(Energy Systems) | MESC10 304(P) | Research Project Phase I | |
| 28 6 | Mtech(Energy Systems) | MES10 401 | Research Project Phase II | |
| 28 7 | Mtech(Power Electronics & Drives) | 08EE6111 | Applied Mathematics | |
| 28 8 | Mtech(Power Electronics & Drives) | 08EE6121 | System Dynamics | |
| 28 9 | Mtech(Power Electronics & Drives) | 08EE6131 | Analysis of Power Electronics Circuits I | |
| 29 0 | Mtech(Power Electronics & Drives) | 08EE6141 | Electric Drives | |
| 29 1 | Mtech(Power Electronics & Drives) | 08EE6151 (A) | Power Semiconductor Devices & Modelling | |
| 29 2 | Mtech(Power Electronics & Drives) | 08EE6151 (B) | Dynamics of Electrical Machines | |
| 29 | Mtech(Power Electronics & Drives) | 08EE6151(C) | High Voltage DC | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

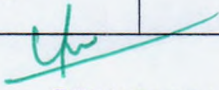
| | | | | |
|---------|-----------------------------------|---------------|--|---|
| 3 | Electronics & Drives) | | Transmissions | |
| 29 4 | Mtech(Power Electronics & Drives) | 08GN6001 | Research Methodology | |
| 29 5 | Mtech(Power Electronics & Drives) | 08EE6171 | Seminar | |
| 29 6 | Mtech(Power Electronics & Drives) | 08EE6181 | Power Electronics Lab | |
| 29 7 | Mtech(Power Electronics & Drives) | 08EE6112 | Analysis of Power Electronics Circuits II | |
| 29 8 | Mtech(Power Electronics & Drives) | 08EE6122 | Digital Control Systems | |
| 29 9 | Mtech(Power Electronics & Drives) | 08EE6132 | Advanced Electric Drives | |
| 30 0 | Mtech(Power Electronics & Drives) | 08EE6142 (A): | Facts and Custom Power Devices | |
| 30 1 | Mtech(Power Electronics & Drives) | 08EE6142 (B): | Power Quality | |
| 30 2 | Mtech(Power Electronics & Drives) | 08EE6142(C): | Digital Simulation of Power Electronic Systems | |
| 30 3 | Mtech(Power Electronics & Drives) | 08EE6152 (A): | Embedded Controllers & Real Time Systems | Y |
| 30 4 | Mtech(Power Electronics & Drives) | 08EE6152 (B): | DSP& its Applications | Y |
| 30 5 | Mtech(Power Electronics & Drives) | 08EE6152(C): | Switched Mode Power Converters | Y |
| 30 | Mtech(Power | 08EE6162 | Mini Project | Y |



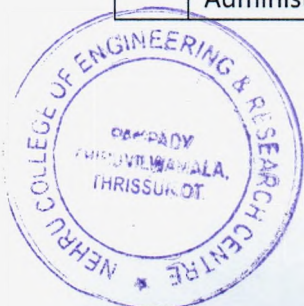

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|---------------|--|---|
| 6 | Electronics & Drives) | | | |
| 307 | Mtech(Power Electronics & Drives) | 08EE6172 | Electric Drives Lab | |
| 308 | Mtech(Power Electronics & Drives) | 08EE7113 (A): | Optimization Techniques | |
| 309 | Mtech(Power Electronics & Drives) | 08EE7113 (B): | Special Electrical Machines & Drives | |
| 310 | Mtech(Power Electronics & Drives) | 08EE7113(C): | Industrial Instrumentation | |
| 311 | Mtech(Power Electronics & Drives) | 08EE7123 (A): | VLSI Architecture & Design Methodologies | |
| 312 | Mtech(Power Electronics & Drives) | 08EE7123 (B): | Soft Computing Techniques | Y |
| 313 | Mtech(Power Electronics & Drives) | 08EE7123(C): | Computer Networking | Y |
| 314 | Mtech(Power Electronics & Drives) | 08EE7133 | Seminar | Y |
| 315 | Mtech(Power Electronics & Drives) | 08EE7143 | Research Project Phase I | Y |
| 316 | Mtech(Power Electronics & Drives) | 08EE7114 | Research Project Phase II | |
| 317 | Masters in Business Administration | 11 | QT – Quantitative Methods for Management | |
| 318 | Masters in Business Administration | 12 | OB 1– Organizational Behaviour | |
| 319 | Masters in Business | 13 | ME – Managerial Economics | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|----|-----------------------------------|---|
| | Administration | | | |
| 320 | Masters in Business Administration | 14 | BC – Business Communication | Y |
| 321 | Masters in Business Administration | 15 | ACC – Accounting for Managers | Y |
| 322 | Masters in Business Administration | 16 | B&S – Business and Society | Y |
| 323 | Masters in Business Administration | 17 | MS 1- Managerial Skill | |
| 324 | Masters in Business Administration | 21 | OB II- Organizational Behavior II | |
| 325 | Masters in Business Administration | 22 | BE-Business Environment | |
| 326 | Masters in Business Administration | 23 | MM I – Marketing Management I | |
| 327 | Masters in Business Administration | 24 | OM-Operation Management | |
| 328 | Masters in Business Administration | 25 | FM I-Financial Management | Y |
| 329 | Masters in Business Administration | 26 | BL – Business Law | Y |
| 330 | Masters in Business Administration | 27 | MS II- Managerial Skill | |
| 331 | Masters in Business Administration | 31 | Marketing Management II | |
| 332 | Masters in Business Administration | 32 | Financial Management II | |
| 333 | Masters in Business Administration | 33 | Human Resource Management | |
| 334 | Masters in Business Administration | 34 | Business Research Methods | |



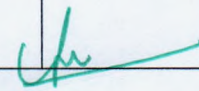

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Campady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------|-------------------------------|---|
| 335 | Masters in Business Administration | 35 | Management Information System | |
| 336 | Masters in Business Administration | 36 | Operation Research | |
| 337 | Masters in Business Administration | 37 | Strategic Management | |
| 338 | Masters in Business Administration | 38 | Managerial Skills III | |
| 339 | Masters in Business Administration | BUS3C018 | Strategic Management | |
| 340 | Masters in Business Administration | BUS3C019 | CQM | |
| 341 | Masters in Business Administration | BUS3C20 | Project Management | |
| 342 | Masters in Business Administration | BUS3C21 | Supply chain management | Y |
| 343 | Masters in Business Administration | BUS3C22 | Investment Management | |
| 344 | Masters in Business Administration | MBAFIN2 | International Finance | Y |
| 345 | Masters in Business Administration | MBAFIN3 | Advanced Financial Management | Y |
| 346 | Masters in Business Administration | MBAMAR3 | Brand Management | |
| 347 | Masters in Business Administration | MBAMAR4 | Consumer Behaviour | |
| 348 | Masters in Business Administration | MBAMAR6 | Sales Management | |
| 349 | Masters in Business Administration | MBASYS3 | Electronic Commerce | |
| 350 | Masters in Business | MBAIB01 | International Marketing | Y |



PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thiruvananthapuram Dt
Pin - 680 597 Kerala

| | | | | |
|---------|------------------------------------|----------|--|---|
| | Administration | | | |
| 35 1 | Masters in Business Administration | MBAHRM01 | Managing self and others | |
| 35 2 | Masters in Business Administration | MBAHRM03 | HRPD | |
| 35 3 | Masters in Business Administration | BUS4C23 | New Enterprise Management | Y |
| 35 4 | Masters in Business Administration | BUS4C24 | International Business | Y |
| 35 5 | Masters in Business Administration | BUS4C25 | Indian Ethos | |
| 35 6 | Masters in Business Administration | MBAHRM05 | Global HRM | |
| 35 7 | Masters in Business Administration | MBASYS04 | ERP | Y |
| 35 8 | Masters in Business Administration | MBAMAR06 | Retail Management | |
| 35 9 | Masters in Business Administration | MBAHRM04 | Management of Training and Development | Y |
| 36 0 | Masters in Business Administration | MBAMAR05 | Sales Management | Y |
| 36 1 | Masters in Computer Applications | RLMCA101 | Problem Solving and Computer Programming | |
| 36 2 | Masters in Computer Applications | RLMCA103 | Discrete Mathematics | |
| 36 3 | Masters in Computer Applications | RLMCA105 | Applied Probability and Statistics | |
| 36 4 | Masters in Computer Applications | RLMCA107 | Principles of Management | |
| 36 5 | Masters in Computer Applications | RLMCA109 | Digital Fundamentals | |




PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

| | | | | |
|-----|----------------------------------|---------------|--|---|
| 366 | Masters in Computer Applications | RLMCA131 | Programming Lab | |
| 367 | Masters in Computer Applications | RLMCA133 | Applied Statistics Lab | |
| 368 | Masters in Computer Applications | RLMCA102 | Object Oriented Programming | |
| 369 | Masters in Computer Applications | RLMCA104 | Data Structures | Y |
| 370 | Masters in Computer Applications | RLMCA106 | Operating Systems | Y |
| 371 | Masters in Computer Applications | RLMCA108 | Operations Research | |
| 372 | Masters in Computer Applications | RLMCA112 | Computer Organization and Architecture | Y |
| 373 | Masters in Computer Applications | RLMCA132 | Object Oriented Programming Lab | Y |
| 374 | Masters in Computer Applications | RLMCA134 | Data Structures Lab | |
| 375 | Masters in Computer Applications | MCA 10 201 | Graph Theory and Combinatorics | |
| 376 | Masters in Computer Applications | MCA 10 202 | Computer Organization | |
| 377 | Masters in Computer Applications | MCA 10 203 | Database Management Systems | Y |
| 378 | Masters in Computer Applications | MCA 10 204 | Operating Systems | Y |
| 379 | Masters in Computer Applications | MCA 10 205 | Data Structures | Y |
| 380 | Masters in Computer | MCA 10 206(P) | Software Lab II (data Structures) |  |



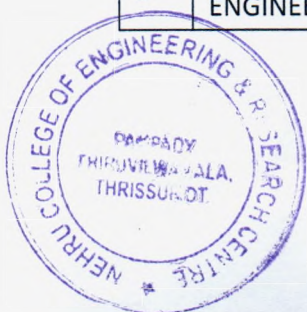
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

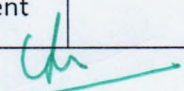
| | Applications | | | |
|---------|--|---------------|--|---|
| 38 1 | Masters in Computer Applications | MCA 10 301 | Numerical analysis and Optimization Techniques | |
| 38 2 | Masters in Computer Applications | MCA 10 302 | Computer Networks | |
| 38 3 | Masters in Computer Applications | MCA 10 303 | Principles of Compiler Design | |
| 38 4 | Masters in Computer Applications | MCA 10 304 | Core Java | |
| 38 5 | Masters in Computer Applications | MCA 10 305 | Principles of Accounting and Financial Management | Y |
| 38 6 | Masters in Computer Applications | MCA 10 306(P) | Software Lab III (DBMS Lab) | |
| 38 7 | Masters in Computer Applications | MCA 10 401 | Cryptography and Network Security | Y |
| 38 8 | Masters in Computer Applications | MCA 10 402 | Software Architecture and Project Management | |
| 38 9 | Masters in Computer Applications | MCA 10 403 | Web Programming | |
| 39 0 | Masters in Computer Applications | MCA 10 404 C | Advanced DBMS | Y |
| 39 1 | Masters in Computer Applications | MCA 10 405 C | Embedded Systems | Y |
| 39 2 | Masters in Computer Applications | MCA 10 406(P) | MINI PROJECT | |
| 39 3 | Masters in Computer Applications | MCA10 501 | Object oriented modeling and Design | Y |



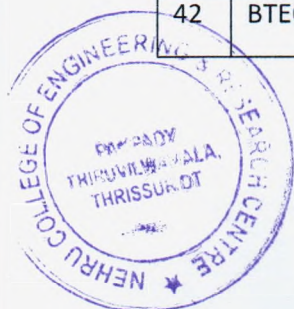

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|----------------------------------|-----------------|--|---|
| 394 | Masters in Computer Applications | MCA10 502 | Computer Graphics and Multimedia Systems | Y |
| 395 | Masters in Computer Applications | MCA10 503 | Wireless Communication | |
| 396 | Masters in Computer Applications | MCA10 504 B | Computer Architecture | |
| 397 | Masters in Computer Applications | MCA10 505 A | Data Mining and Data ware housing | Y |
| 398 | Masters in Computer Applications | MCA10 506(p) | Seminar | |
| 399 | Masters in Computer Applications | MCA 10 601 | Project | |
| 400 | BTECH MECHANICAL ENGINEERING | ME202 | Advanced Mechanics of Solids | |
| 401 | BTECH MECHANICAL ENGINEERING | ME204 | Thermal Engineering | |
| 402 | BTECH MECHANICAL ENGINEERING | ME206 | Fluid Machinery | |
| 403 | BTECH MECHANICAL ENGINEERING | ME220 | Manufacturing Technology | |
| 404 | BTECH MECHANICAL ENGINEERING | HS210 | Life Skills | |
| 405 | BTECH MECHANICAL ENGINEERING | ME232 | Thermal Engineering Lab | |
| 406 | BTECH MECHANICAL ENGINEERING | ME09 801 | Refrigeration and Air Conditioning | |
| 407 | BTECH MECHANICAL ENGINEERING | ME09 802 | Compressible Fluid Flow | |
| 408 | BTECH MECHANICAL ENGINEERING | ME09 803 (L 22) | Quality Engineering and Management | |



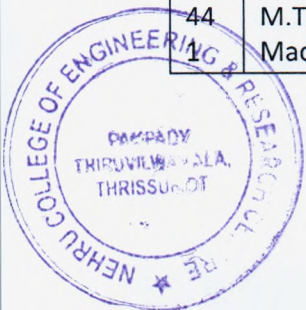

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thiruvananthapuram Dt
 Pin - 680 597 Kerala

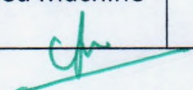
| | | | | |
|-----|------------------------------------|-----------------|--|---|
| 409 | BTECH MECHANICAL ENGINEERING | ME09 804 (L 24) | Marketing Management | |
| 410 | BTECH MECHANICAL ENGINEERING | ME09 805 (P) | Seminar | |
| 411 | BTECH MECHANICAL ENGINEERING | ME14 601 | Gas Dynamics and Jet propulsion | |
| 412 | BTECH MECHANICAL ENGINEERING | ME14 602 | Metrology and Instrumentation | |
| 413 | BTECH MECHANICAL ENGINEERING | ME14 603 | Dynamics of Machinery | |
| 414 | BTECH MECHANICAL ENGINEERING | ME14 604 | Machine Design I | |
| 415 | BTECH MECHANICAL ENGINEERING | ME14 605 | Operations Research | |
| 416 | BTECH MECHANICAL ENGINEERING | ME14 606 | Automobile Engineering | |
| 417 | BTECH MECHANICAL ENGINEERING | ME14 607 (P) | Thermal Lab | |
| 418 | BTECH MECHANICAL ENGINEERING | ME14 608 (P) | Instrumentation Lab | |
| 419 | BTECH MECHANICAL ENGINEERING | ME14 501 | Engineering Economics and Management | |
| 420 | BTECH MECHANICAL ENGINEERING | ME09 701 | Machine Design II | |
| 421 | BTECH MECHANICAL ENGINEERING | ME09 702 | Operations management | |
| 422 | BTECH MECHANICAL ENGINEERING | ME09 703 | Metrology and Instrumentation | Y |
| 423 | BTECH MECHANICAL ENGINEERING | ME09 704 | Power Plant Engineering | |
| 424 | BTECH | ME09 L07 705 | Automobile | |



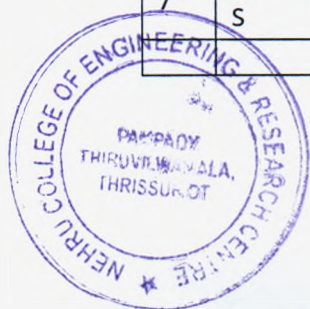
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady Thiruvilwamala, Thirissur Dt.
Pin 680 597 Kerala

| | | | | |
|-----|------------------------------|--------------|--------------------------------------|---|
| 4 | MECHANICAL ENGINEERING | | Engineering | |
| 425 | BTECH MECHANICAL ENGINEERING | ME09 L14 706 | Design of Jigs and Fixtures | |
| 426 | BTECH MECHANICAL ENGINEERING | ME09 707 (P) | Cad Lab | |
| 427 | BTECH MECHANICAL ENGINEERING | ME09 708 (P) | Instrumentation Lab | |
| 428 | BTECH MECHANICAL ENGINEERING | ME14 501 | Engineering Economics and Management | |
| 429 | M.Tech. Machine Design | ME08 6001 | Research Methodology | Y |
| 430 | M.Tech. Machine Design | ME08 6011 | Advanced Engineering Mathematics | |
| 431 | M.Tech. Machine Design | ME08 6021 | Advanced Mechanics of Solids | Y |
| 432 | M.Tech. Machine Design | ME08 6031 | Theory of Vibrations | |
| 433 | M.Tech. Machine Design | ME08 6041 | Design Engineering | Y |
| 434 | M.Tech. Machine Design | ME08 6051 | Advanced Mechatronics Systems | Y |
| 435 | M.Tech. Machine Design | ME08 6071 | Seminar | |
| 436 | M.Tech. Machine Design | ME08 6081 | Advanced Measurement Lab | Y |
| 437 | M.Tech. Machine Design | ME08 7013 A | Fracture Mechanics | Y |
| 438 | M.Tech. Machine Design | ME08 7023 C | Computer Integrated Manufacturing | Y |
| 439 | M.Tech. Machine Design | ME08 7033 | Seminar II | |
| 440 | M.Tech. Machine Design | ME08 7043 | Project | |
| 441 | M.Tech. Machine Design | 08ME6012 | Advanced Machine design | |



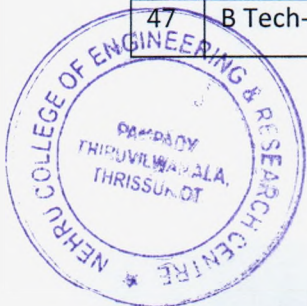

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

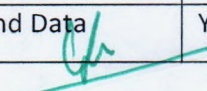
| | | | | |
|---------|-----------------------------|-------------|--|---|
| 44 2 | M.Tech. Machine Design | 08ME6022 | Advanced Mechanisms Design and Simulation | |
| 44 3 | M.Tech. Machine Design | 08ME6032 | Advanced FEA | |
| 44 4 | M.Tech. Machine Design | 08ME6042(A) | Composite Materials | |
| 44 5 | M.Tech. Machine Design | 08ME6052(A) | Optimization Techniques in Design | Y |
| 44 6 | M.Tech. Machine Design | 08ME6062 | Mini Project | |
| 44 7 | M.Tech. Machine Design | 08ME6072 | CAD Lab | |
| 44 8 | M.Tech. Machine Design | 08ME7014 | Project (Phase II) | |
| 44 9 | B Tech- MECHATRONIC S | BE10102 | INTRODUCTION TO MECHANICAL ENGINEERING | |
| 45 0 | B Tech- MECHATRONIC S | BE 103 | SUSTAINABLE ENGINEERING | Y |
| 45 1 | B Tech- MECHATRONIC S | MA 102 | Differential equations | Y |
| 45 2 | B Tech- MECHATRONIC S | PH 100 | Engineering Physics | Y |
| 45 3 | B Tech- MECHATRONIC S | BE 100 | Engineering Mechanics | Y |
| 45 4 | B Tech- MECHATRONIC S | BE 102 | Design and Engineering | |
| 45 5 | B Tech- MECHATRONIC S | PH 110 (P) | Engineering Physics Lab | Y |
| 45 6 | B Tech- MECHATRONIC S | EE 110(P) | Electrical Engineering Workshop | |
| 45 7 | B Tech- MECHATRONIC S | CE 110 (P) | Civil Engineering Workshop | Y |



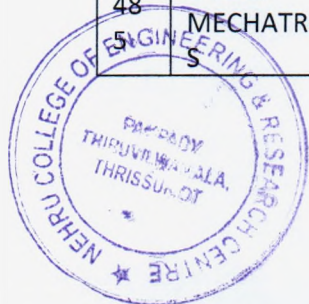

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur, OT
 Pin 680 597 Kerala

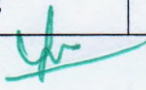
| | | | | |
|-----|---------------------|-------------|--|---|
| 458 | B Tech-MECHATRONICS | MR201 | C Programming | |
| 459 | B Tech-MECHATRONICS | EE209 | Electrical Technology | Y |
| 460 | B Tech-MECHATRONICS | EC209 | Analog Electronics | |
| 461 | B Tech-MECHATRONICS | MR205 | Science of Measurements | Y |
| 462 | B Tech-MECHATRONICS | HS200/HS210 | Business Economics/Life Skills | Y |
| 463 | B Tech-MECHATRONICS | EC212 | Linear Integrated Circuits and Digital Electronics | Y |
| 464 | B Tech-MECHATRONICS | HS210/HS200 | Life Skills/Business Economics | |
| 465 | B Tech-MECHATRONICS | EC234 | Linear Integrated Circuits and Digital Electronics Lab | Y |
| 466 | B Tech-MECHATRONICS | MT14 501 | Engineering Economics & Principles of Management | |
| 467 | B Tech-MECHATRONICS | MT14 502 | Manufacturing Technology | |
| 468 | B Tech-MECHATRONICS | MT14 503 | Thermal Engineering | |
| 469 | B Tech-MECHATRONICS | MT14 504 | Sensors and Actuators | Y |
| 470 | B Tech-MECHATRONICS | MT14 505 | Embedded Systems | |
| 471 | B Tech- | MT14 506 | PLC and Data | Y |



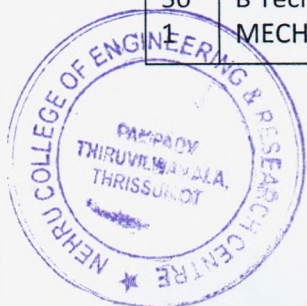

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady Thiruvilwamala, Thirissur Dt.
 Pin - 680 597 Kerala

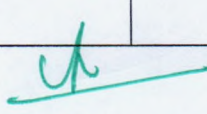
| | | | | |
|---------|-----------------------------|--------------|---|---|
| 1 | MECHATRONIC S | | Acquisition Systems | |
| 47 2 | B Tech- MECHATRONIC S | MT14 507 (P) | Measurements and PLC Lab | Y |
| 47 3 | B Tech- MECHATRONIC S | MT14 508 (P) | CAD / CAM Lab | |
| 47 4 | B Tech- MECHATRONIC S | | | |
| 47 5 | B Tech- MECHATRONIC S | MT14 601 | Robotics Engineering | |
| 47 6 | B Tech- MECHATRONIC S | MT14 602 | Microprocessors and Microcontrollers | |
| 47 7 | B Tech- MECHATRONIC S | MT14 603 | Design of Mechatronics Systems | |
| 47 8 | B Tech- MECHATRONIC S | MT14 604 | Mechanics of Machinery | |
| 47 9 | B Tech- MECHATRONIC S | MT14 605 | Intelligent Manufacturing Technology | |
| 48 0 | B Tech- MECHATRONIC S | MT14 606 | Power Electronics | |
| 48 1 | B Tech- MECHATRONIC S | MT14 607 (P) | Microprocessors and Microcontrollers Lab | |
| 48 2 | B Tech- MECHATRONIC S | MT14 608 (P) | Mini Project | |
| 48 3 | B Tech- MECHATRONIC S | MT09 701 | Design of Machine Elements | |
| 48 4 | B Tech- MECHATRONIC S | MT09 702 | Micro Electro Mechanical Systems | Y |
| 48 5 | B Tech- MECHATRONIC S | MT09 703 | Digital Signal Processing | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

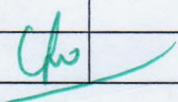
| | | | | |
|---------|-----------------------------|--------------|---|---|
| 48 6 | B Tech- MECHATRONIC S | MT09 704 | Artificial Intelligence | |
| 48 7 | B Tech- MECHATRONIC S | MT09 705 | Elective II | |
| 48 8 | B Tech- MECHATRONIC S | MT09 706 | Elective III | |
| 48 9 | B Tech- MECHATRONIC S | MT09 707 (P) | Digital Signal Processing Lab | |
| 49 0 | B Tech- MECHATRONIC S | MT09 708 (P) | Mechatronics Lab | Y |
| 49 1 | B Tech- MECHATRONIC S | MT09 709 (P) | Project | Y |
| 49 2 | B Tech- MECHATRONIC S | MT09 705 (A) | Industrial Automation | |
| 49 3 | B Tech- MECHATRONIC S | MT09 705 (B) | Computer Integrated Manufacturing | Y |
| 49 4 | B Tech- MECHATRONIC S | MT09 705 (C) | Logistics & Supply Chain Management | Y |
| 49 5 | B Tech- MECHATRONIC S | MT09 705 (D) | Alternate Energy Sources | |
| 49 6 | B Tech- MECHATRONIC S | MT09 706 (A) | Nano Technology | |
| 49 7 | B Tech- MECHATRONIC S | MT09 706 (B) | Industrial Tribology | |
| 49 8 | B Tech- MECHATRONIC S | MT09 706 © | Non Destructive Testing | Y |
| 49 9 | B Tech- MECHATRONIC S | MT09 706 (D) | Entrepreneurship development | |
| 50 0 | B Tech- MECHATRONIC S | MT09 801 | Power Electronics | |
| 50 1 | B Tech- MECHATRONIC S | MT09 802 | Operations Research | |



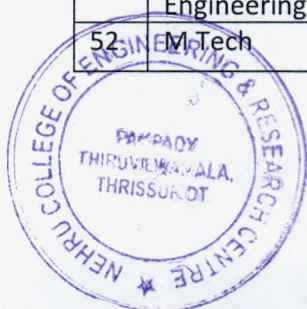

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

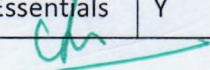
| | | | | |
|---------|-----------------------------|--------------|---|--|
| | S | | | |
| 50 2 | B Tech- MECHATRONIC S | MT09 803 | Elective IV | |
| 50 3 | B Tech- MECHATRONIC S | MT09 804 | Elective V | |
| 50 4 | B Tech- MECHATRONIC S | MT09 805 (P) | Seminar | |
| 50 5 | B Tech- MECHATRONIC S | MT09 806 (P) | Project | |
| 50 6 | B Tech- MECHATRONIC S | MT09 807 (P) | Viva Voce | |
| 50 7 | B Tech- MECHATRONIC S | MT09 803 (A) | Quality Engineering & Management | |
| 50 8 | B Tech- MECHATRONIC S | MT09 803 (B) | Research Methodology | |
| 50 9 | B Tech- MECHATRONIC S | MT09 803 © | Finite Element Analysis | |
| 51 0 | B Tech- MECHATRONIC S | MT09 803 (D) | Industrial Safety and Environment | |
| 51 1 | B Tech- MECHATRONIC S | MT09 803 (E) | Image Processing and Machine Vision | |
| 51 2 | B Tech- MECHATRONIC S | MT09 804 (A) | Flexible Manufacturing System | |
| 51 3 | B Tech- MECHATRONIC S | MT09 804 (B) | Management Information System | |
| 51 4 | B Tech- MECHATRONIC S | MT09 804 (C) | Computational methods in Engineering | |
| 51 5 | B Tech- MECHATRONIC S | MT09 804 (D) | Creativity, Innovation & Product Development | |
| 51 | B Tech- MECHATRONIC S | MT09 804 (E) | Fluid Power | |



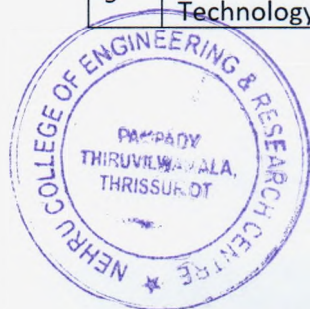

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany, Thiruvilwamala, Thrissur Dt.
 Pin 680 597 Kerala

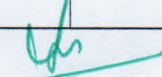
| | | | | |
|-----|--|---------------|--|---|
| 6 | MECHATRONICS | | Control | |
| 517 | M Tech Computer Science and Engineering | 08 CS 6011 | Operating System Design | Y |
| 518 | M Tech Computer Science and Engineering | 08 CS 6021 | Advanced Data Structures | |
| 519 | M Tech Computer Science and Engineering | 08 CS 6031 | Advanced Database Technology | |
| 520 | M Tech Computer Science and Engineering | 08 CS 6041 | Mathematical Foundations of Computer Science | |
| 521 | M Tech Computer Science and Engineering | 08 CS 6051(A) | Computational Intelligence | |
| 522 | M Tech Computer Science and Engineering | 08 GN 6001 | Research Methodology | |
| 523 | M Tech Computer Science and Engineering | 08 CS 6071(P) | Seminar I | |
| 524 | M Tech Computer Science and Engineering | 08 CS 6081(P) | Advanced Data Structures Lab | |
| 525 | M Tech Computer Science and Engineering | 08 CS 6012 | Advanced Compiler Design | Y |
| 526 | M Tech Computer Science and Engineering | 08 CS 6022 | Information Retrieval | Y |
| 527 | M Tech Computer Science and Engineering | 08 CS 6032 | Evolutionary Computing | Y |
| 52 | M Tech | 08 CS 6042(B) | Big Data Essentials | Y |



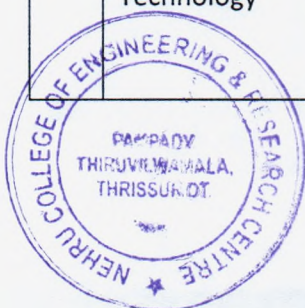

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|---|----------------|---|---|
| 8 | Computer Science and Engineering | | | |
| 529 | M Tech Computer Science and Engineering | 08 CS 6052(A) | Cloud Computing | |
| 530 | M Tech Computer Science and Engineering | 08 CS 6062(P) | Mini Project | |
| 531 | M Tech Computer Science and Engineering | 08 CS 6072 (P) | Data mining and Analytics Lab | |
| 532 | M Tech Computer Science and Engineering | 08 CS 7011(A) | Unix Internals | Y |
| 533 | M Tech Computer Science and Engineering | 08 CS 7021(B) | Semantic Web | |
| 534 | M Tech Computer Science and Engineering | 08 CS 7031(P) | Seminar II | |
| 535 | M Tech Computer Science and Engineering | 08 CS 7041(P) | Masters Research Project Phase 1 | |
| 536 | M Tech Computer Science and Engineering | 08 CS 7012(P) | Masters Research Project Phase 2 | |
| 537 | B Tech Information Technology | IT09 501 | Software Architecture & Project Management | Y |
| 538 | B Tech Information Technology | IT09 502 | Industrial Economics and principles of management | |
| 539 | B Tech Information Technology | IT09 503 | Embedded systems | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampany, Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|-------------------------------|-------------|---|---|
| 540 | B Tech Information Technology | IT09 504 | Operating systems | y |
| 541 | B Tech Information Technology | IT09 505 | Digital data Communication | Y |
| 542 | B Tech Information Technology | IT09 506 | Theory of Computation | Y |
| 543 | B Tech Information Technology | IT09 507(P) | Systems Lab | |
| 544 | B Tech Information Technology | IT09 508(P) | Hardware Lab | |
| 545 | B Tech Information Technology | IT09 601 | Software quality management | |
| 546 | B Tech Information Technology | IT09 602 | Compiler Design | Y |
| 547 | B Tech Information Technology | IT09 603 | Computer Networks | |
| 548 | B Tech Information Technology | IT09 604 | Database Management Systems | |
| 549 | B Tech Information Technology | IT09 605 | Human Computer Interaction | Y |
| 550 | B Tech Information Technology | IT09 L05 | Information Retrieval | |
| 551 | B Tech Information Technology | IT09 607(P) | Database Management Lab | Y |
| 552 | B Tech Information Technology | IT09 608(P) | Mini Project | |
| 553 | B Tech Information Technology | IT09 701 | Computer Graphics | Y |
| 554 | B Tech Information Technology | IT09 702 | Natural Language Processing And Knowledge Based Systems | |




Ch
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|-------------------------------|-------------|--------------------------------------|---|
| 555 | B Tech Information Technology | IT09 703 | Internet Technology | |
| 556 | B Tech Information Technology | IT09 704 | Cryptography and Network security | |
| 557 | B Tech Information Technology | T09 705 | Elective II | |
| 558 | B Tech Information Technology | IT09 706 | Elective III | Y |
| 559 | B Tech Information Technology | IT09 707(P) | Network Programming Lab | Y |
| 560 | B Tech Information Technology | IT09 708(P) | Computer Graphics and Multimedia Lab | Y |
| 561 | B Tech Information Technology | IT09 709(P) | Project | |
| 562 | B Tech Information Technology | IT09 801 | Mobile Communication System | |
| 563 | B Tech Information Technology | IT09 802 | High Speed Networks | Y |
| 564 | B Tech Information Technology | IT09 803 | Elective IV | y |
| 565 | B Tech Information Technology | IT09 804 | Elective V | |
| 566 | B Tech Information Technology | IT09 805(P) | Seminar | Y |
| 567 | B Tech Information Technology | IT09 806(P) | Project | |
| 568 | B Tech Information Technology | IT09 807(P) | Viva Voce | |



No. of Courses:195


PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

Academic Year5 2015-16



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)

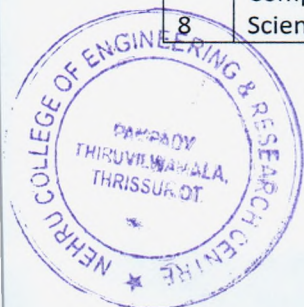
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

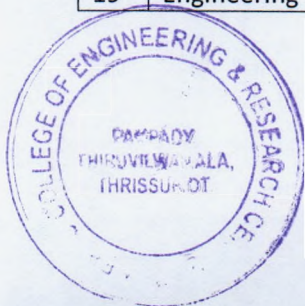
List for Courses 2015-16

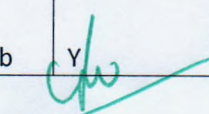
| Sl No | Program Name | Course code | Course Name | Project/ Internship/ Field visit |
|-------|--|-------------------------------|-----------------------------------|----------------------------------|
| 1 | B.Tech. Computer Science and Engineering | PH100 | Engineering Physics | |
| 2 | B.Tech. Computer Science and Engineering | CY100 | Engineering Chemistry | |
| 3 | B.Tech. Computer Science and Engineering | EC100 | Basics of Electronics Engineering | y |
| 4 | B.Tech. Computer Science and Engineering | PH110 | Engineering Physics Lab | |
| 5 | B.Tech. Computer Science and Engineering | CY110 | Engineering Chemistry Lab | |
| 6 | B.Tech. Computer Science and Engineering | CE110/ME110/EE110/EC110/CS110 | Basic Engineering Workshops | |
| 7 | B.Tech. Computer Science and Engineering | CS 100 | Computer Programming | Y |
| 8 | B.Tech. Computer Science and Engineering | CS14 303 | Computer Organization & Design | Y |



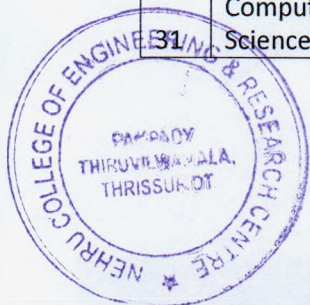
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

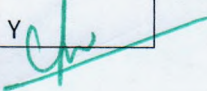
| | | | | |
|----|---|-------------|---|---|
| | Engineering | | | |
| 9 | B.Tech. Computer Science and Engineering | CS14 304 | Discrete Computational Structures | |
| 10 | B.Tech. Computer Science and Engineering | CS14 305 | Electronic Circuits | Y |
| 11 | B.Tech. Computer Science and Engineering | CS14 306 | Switching Theory & Logic Design | |
| 12 | B.Tech. Computer Science and Engineering | CS14 307(P) | Programming Lab | |
| 13 | B.Tech. Computer Science and Engineering | CS14 308(P) | Electronics Circuits Lab | |
| 14 | B.Tech. Computer Science and Engineering | CS14 403 | Data Structures and Algorithms | Y |
| 15 | B.Tech. Computer Science and Engineering | CS14 404 | Object Oriented Programming in Java | Y |
| 16 | B.Tech. Computer Science and Engineering | CS14 405 | Systems Programming | Y |
| 17 | B.Tech. Computer Science and Engineering | CS14 406 | Microprocessor Based Design | |
| 18 | B.Tech. Computer Science and Engineering | CS14 407(P) | Data Structures Lab | Y |
| 19 | B.Tech. Computer Science and Engineering | CS14 408(P) | Digital Systems Lab | Y |



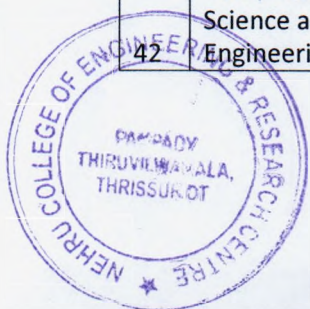

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

| | | | | |
|----|---|-------------|---|---|
| 20 | B.Tech. Computer Science and Engineering | CS09 501 | Software Architecture and Project Management | |
| 21 | B.Tech. Computer Science and Engineering | CS09 502 | Industrial Economics and Principles of Management | Y |
| 22 | B.Tech. Computer Science and Engineering | CS09 503 | Signal Processing | Y |
| 23 | B.Tech. Computer Science and Engineering | CS09 504 | Operating Systems | Y |
| 24 | B.Tech. Computer Science and Engineering | CS09 505 | Digital Data Communication | Y |
| 25 | B.Tech. Computer Science and Engineering | CS09 506 | Theory of Computation | y |
| 26 | B.Tech. Computer Science and Engineering | CS09 507(P) | Programming Paradigm Lab | Y |
| 27 | B.Tech. Computer Science and Engineering | CS09 508(P) | Hardware Lab | |
| 28 | B.Tech. Computer Science and Engineering | CS09 601 | Embedded Systems | |
| 29 | B.Tech. Computer Science and Engineering | CS09 602 | Compiler Design | Y |
| 30 | B.Tech. Computer Science and Engineering | CS09 603 | Computer Networks | Y |
| 31 | B.Tech. Computer Science and Engineering | CS09 604 | Database Management Systems | Y |



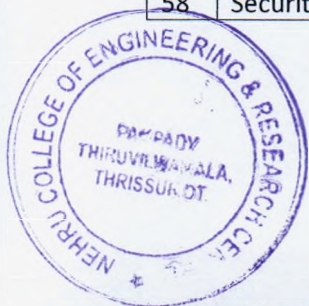

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|----|---|-------------|---|---|
| | Engineering | | | |
| 32 | B.Tech. Computer Science and Engineering | CS09 605 | Computer Graphics | Y |
| 33 | B.Tech. Computer Science and Engineering | CS09 607(P) | Systems Lab | Y |
| 34 | B.Tech. Computer Science and Engineering | CS09 608(P) | Mini Project | |
| 35 | B.Tech. Computer Science and Engineering | CS09 701 | Wireless Networks and Mobile Communication Systems | Y |
| 36 | B.Tech. Computer Science and Engineering | CS09 702 | Design and Analysis of Algorithms | Y |
| 37 | B.Tech. Computer Science and Engineering | CS09 703 | Internet Technology | Y |
| 38 | B.Tech. Computer Science and Engineering | CS09 704 | Cryptography and Network Security | Y |
| 39 | B.Tech. Computer Science and Engineering | CS09 707(P) | Compiler Lab | |
| 40 | B.Tech. Computer Science and Engineering | CS09 708(P) | Network Programming Lab | Y |
| 41 | B.Tech. Computer Science and Engineering | CS09 709(P) | Project | |
| 42 | B.Tech. Computer Science and Engineering | CS09 801 | Computer Architecture and Parallel Processing | Y |



Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|----|---|--------------|--|---|
| 43 | B.Tech. Computer Science and Engineering | CS09 802 | Data mining and Warehousing | |
| 44 | B.Tech. Computer Science and Engineering | CS09 805(P) | Project | Y |
| 45 | B.Tech. Computer Science and Engineering | CS09 806(P) | Seminar | |
| 46 | B.Tech. Computer Science and Engineering | CS09 807(P) | Viva – Voce | Y |
| 47 | M.Tech Cyber Security | 08CS 6211 | Mathematical Foundations of Computer Science | |
| 48 | M.Tech Cyber Security | 08CS 6221 | Internetworking – Protocols and Security | Y |
| 49 | M.Tech Cyber Security | 08CS 6231 | Advanced Cryptography | Y |
| 50 | M.Tech Cyber Security | 08CS 6241 | Advanced Computer Architecture | Y |
| 51 | M.Tech Cyber Security | 08CS 6251(A) | High Speed Networks | Y |
| 52 | M.Tech Cyber Security | 08GN 6001 | Research Methodology | |
| 53 | M.Tech Cyber Security | 08CS 6271 | Seminar I | |
| 54 | M.Tech Cyber Security | 08CS 6281 | Advanced Networking Lab | Y |
| 55 | M.Tech Cyber Security | 08CS 6212 | Mobile and Wireless Network Security | |
| 56 | M.Tech Cyber Security | 08CS 6222 | Secure Coding | Y |
| 57 | M.Tech Cyber Security | 08CS 6232 | Digital Forensics | |
| 58 | M.Tech Cyber Security | 08CS 6242(A) | Data Compression | Y |



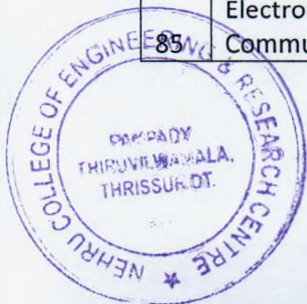

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

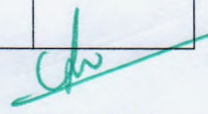
| | | | | |
|----|--|---------------|---|---|
| 59 | M.Tech Cyber Security | 08CS 6252(C) | Soft Computing | |
| 60 | M.Tech Cyber Security | 08CS 6262 | Mini Project | |
| 61 | M.Tech Cyber Security | 08CS 6272 | Cyber Security Lab | |
| 62 | M.Tech Cyber Security | MCY 10 301(B) | RESEARCH METHODOLOGIES | Y |
| 63 | M.Tech Cyber Security | MCY 10 302(A) | CLOUD AND UTILITY COMPUTING | |
| 64 | M.Tech Cyber Security | MCY 10 303(P) | Industrial Training | |
| 65 | M.Tech Cyber Security | MCY 10 304(P) | Master Research Project Phase I | |
| 66 | M.Tech Cyber Security | MCY 10 401(P) | Masters Research Project (Phase II) | |
| 67 | B TECH Electronics & Communication Engineering | BE101 | INTRODUCTION TO ELECTRONICS ENGINEERING | |
| 68 | B TECH Electronics & Communication Engineering | MA102 | DIFFERENTIAL EQUATIONS | |
| 69 | B TECH Electronics & Communication Engineering | BE110 | ENGINEERING GRAPHICS | |
| 70 | B TECH Electronics & Communication Engineering | BE102 | DESIGN & ENGINEERING | |
| 71 | B TECH Electronics & Communication Engineering | CE100 | BASICS OF CIVIL ENGINEERING | |
| 72 | B TECH Electronics & Communication Engineering | ME100 | BASICS OF MECHANICAL ENGINEERING | |
| 73 | B TECH Electronics & Communication Engineering | EC14 303 | Network Analysis & Synthesis | Y |



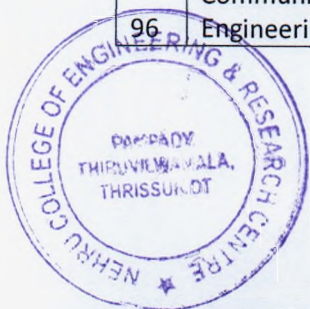

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin. 686 597 Kerala

| | | | | |
|----|---|--------------|------------------------------------|---|
| 74 | B TECH Electronics & Communication Engineering | EC14 304 | Solid State Devices | Y |
| 75 | B TECH Electronics & Communication Engineering | EC14 305 | Electronic Circuits I | |
| 76 | B TECH Electronics & Communication Engineering | EC14 306 | Electrical Engg. | |
| 77 | B TECH Electronics & Communication Engineering | EC14 307 (P) | <i>Basic Electronics Lab</i> | Y |
| 78 | B TECH Electronics & Communication Engineering | EC14 308 (P) | <i>Electrical Engg.Lab</i> | |
| 79 | B TECH Electronics & Communication Engineering | EC14 403 | Signals and Systems | |
| 80 | B TECH Electronics & Communication Engineering | EC14 404 | Electronic Circuits II | |
| 81 | B TECH Electronics & Communication Engineering | EC14 405 | Digital Electronics | |
| 82 | B TECH Electronics & Communication Engineering | EC14 406 | Analog Communication | |
| 83 | B TECH Electronics & Communication Engineering | EC14 407 (P) | <i>Digital Electronics Lab</i> | |
| 84 | B TECH Electronics & Communication Engineering | EC14 408 (P) | <i>Electronic Circuits Lab</i> | |
| 85 | B TECH Electronics & Communication | EC09501 | DIGITAL SIGNAL PROCESSING | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady Thiruvilwamala Thrissur Dt
 Pin - 686 591 Kerala

| | | | | |
|----|---|-------------|---|---|
| | Engineering | | | |
| 86 | B TECH Electronics & Communication Engineering | EC09502 | QUANTITATIVE TECHNIQUES FOR MANAGERIAL DECISIONS | |
| 87 | B TECH Electronics & Communication Engineering | EC09503 | ELECTROMAGNETIC FIELD THEORY | |
| 88 | B TECH Electronics & Communication Engineering | EC09504 | DIGITAL COMMUNICATION | Y |
| 89 | B TECH Electronics & Communication Engineering | EC09505 | MICROPROCESSORS & MICROCONTROLLERS | Y |
| 90 | B TECH Electronics & Communication Engineering | EC09 506 | LINEAR INTEGRATED CIRCUITS | Y |
| 91 | B TECH Electronics & Communication Engineering | EC09 507(P) | MICROPROCESSORS & MICROCONTROLLERS LAB | Y |
| 92 | B TECH Electronics & Communication Engineering | EC09 508(P) | LINEAR INTEGRATED CIRCUITS LAB | Y |
| 93 | B TECH Electronics & Communication Engineering | EC09 601 | BASICS OF VLSI DESIGN | |
| 94 | B TECH Electronics & Communication Engineering | EC09 602 | ENGINEERING ECONOMICS AND PRINCIPLES OF MANAGEMENT | |
| 95 | B TECH Electronics & Communication Engineering | EC09 603 | RADIATION AND PROPAGATION | |
| 96 | B TECH Electronics & Communication Engineering | EC09 604 | CONTROL SYSTEMS | Y |



PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady, Thiruvilwamala, Thrikkur Dt
Pin - 680 597 Kerala

| | | | | |
|-----|---|-------------|---------------------------------------|---|
| 97 | B TECH Electronics & Communication Engineering | EC09 605 | OPTICAL COMMUNICATION | Y |
| 98 | B TECH Electronics & Communication Engineering | EC09 607(P) | DIGITAL COMMUNICATION & DSP LAB | Y |
| 99 | B TECH Electronics & Communication Engineering | EC09 608(P) | MINI PROJECT | Y |
| 100 | B TECH Electronics & Communication Engineering | EC09 L01 | POWER ELECTRONICS | Y |
| 101 | B TECH Electronics & Communication Engineering | EC09 L02 | NUMERICAL METHODS FOR ENGINEERS | Y |
| 102 | B TECH Electronics & Communication Engineering | EC09 L03 | ENTREPRENEURSHIP | Y |
| 103 | B TECH Electronics & Communication Engineering | EC09 L04 | SPEECH & AUDIO PROCESSING | Y |
| 104 | B TECH Electronics & Communication Engineering | EC09 L05 | SATELLITE COMMUNICATION | Y |
| 105 | B TECH Electronics & Communication Engineering | EC09 701 | INFORMATIVE THEORY AND CODING | Y |
| 106 | B TECH Electronics & Communication Engineering | EC09 702 | MICROWAVE ENGINEERING | Y |
| 107 | B TECH Electronics & Communication Engineering | EC09 703 | ANALOG & MIXED MOS CIRCUITS | Y |
| 108 | B TECH Electronics & Communication | EC09 704 | DIGITAL SYSTEM DESIGN | Y |



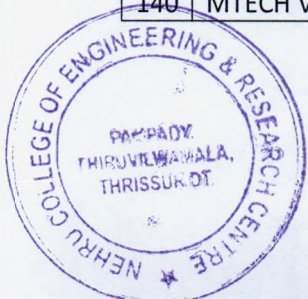
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrikkurthi, Thrissur Dt.
Pin - 680 597 Kerala

| | | | | |
|-----|---|-------------|-------------------------------------|---|
| | Engineering | | | |
| 109 | B TECH Electronics & Communication Engineering | EC09 707(P) | COMMUNICATION SYSTEMS LAB | |
| 110 | B TECH Electronics & Communication Engineering | EC09 708(P) | VLSI DESIGN LAB | Y |
| 111 | B TECH Electronics & Communication Engineering | EC09 709(P) | PROJECT | |
| 112 | B TECH Electronics & Communication Engineering | EC09 801 | DATA & COMMUNICATION NETWORKS | Y |
| 113 | B TECH Electronics & Communication Engineering | EC09 802 | WIRELESS MOBILE COMMUNICATION | Y |
| 114 | B TECH Electronics & Communication Engineering | EC09 805(P) | SEMINAR | Y |
| 115 | B TECH Electronics & Communication Engineering | EC09 806(P) | PROJECT | Y |
| 116 | B TECH Electronics & Communication Engineering | EC09 807(P) | VIVA VOCE | Y |
| 117 | MTECH VLSI | 08EC6311 | ADVANCED ENGG MATHEMATICS | Y |
| 118 | MTECH VLSI | 08EC6321 | CMOS VLSI DESIGN | Y |
| 119 | MTECH VLSI | 08EC6331 | ADVANCED DSD | |
| 120 | MTECH VLSI | 08EC6341 | VLSI FABRICATION TECHNOLOGY | |
| 121 | MTECH VLSI | 08EC6351 | DIGITAL INTEGRATED CIRCUITS | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

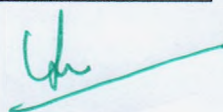
| | | | | |
|-----|------------|---------------|---|---|
| 122 | MTECH VLSI | 08EC6001 | RESEARCH METHODOLOGY | Y |
| 123 | MTECH VLSI | 08EC6371 | SEMINAR | Y |
| 124 | MTECH VLSI | 08EC6381 | VLSI DESIGN LAB | Y |
| 125 | MTECH VLSI | 08 EC 6312 | ANALOG VLSI DESIGN | Y |
| 126 | MTECH VLSI | 08 EC 6322 | CAD OF VLSI CIRCUITS | Y |
| 127 | MTECH VLSI | 08 EC 6332 | TESTING & VERIFICATION OF VLSI CIRCUITS | Y |
| 128 | MTECH VLSI | 08 EC 6342(A) | LOW POWER VLSI DESIGN | |
| 129 | MTECH VLSI | 08 EC 6352(B) | SoC DESIGN & VERIFICATION | Y |
| 130 | MTECH VLSI | 08 EC 6362 | MINI PROJECT | Y |
| 131 | MTECH VLSI | 08 EC 6372 | TESTING & VERIFICATION OF VLSI LAB | Y |
| 132 | MTECH VLSI | 08EC7313 | FPGA ARCHITECTURE | Y |
| 133 | MTECH VLSI | 08EC7323 | SYSTEM VERILOG | Y |
| 134 | MTECH VLSI | 08EC7333 | SEMINAR | Y |
| 135 | MTECH VLSI | 08EC7343 | PROJECT PHASE 1 | |
| 136 | MTECH VLSI | 08EC7314 | PROJECT PHASE II | |
| 137 | MTECH VLSI | 08EC6351A | Electronic System Design | Y |
| 138 | MTECH VLSI | 08EC6351B | Digital Integrated Circuits Design | |
| 139 | MTECH VLSI | 08EC6351C | Designing with Microcontrollers | |
| 140 | MTECH VLSI | 08EC6342A | Low Power VLSI Design | Y |



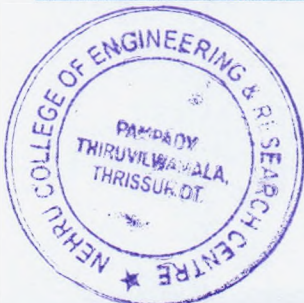
Handwritten signature
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

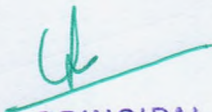
| | | | | |
|-----|---|------------|--|---|
| 141 | MTECH VLSI | 08EC6342B | Synthesis and optimization of Digital Circuits | Y |
| 142 | MTECH VLSI | 08EC6342C | Design of Digital Signal Processing | Y |
| 143 | MTECH VLSI | 08EC6352A | High Speed Digital Design | Y |
| 144 | MTECH VLSI | 08EC6352B | SoC Design & Verification | |
| 145 | MTECH VLSI | 08EC6352C | Nano electronics | |
| 146 | MTECH VLSI | 08EC7313B | Mixed Signal System Design | Y |
| 147 | MTECH VLSI | 08EC7313C | ASIC Design | Y |
| 148 | MTECH VLSI | 08EC7323A | System Verilog | Y |
| 149 | MTECH VLSI | 08EC7323B | Hardware Software Co Design | Y |
| 150 | MTECH VLSI | 08EC7323C | VLSI Signal Processing | Y |
| 151 | MTECH Applied Electronics and Communication Systems | 08 EC 6111 | MATHEMATICS FOR COMMUNICATION ENGG. | Y |
| 152 | MTECH Applied Electronics and Communication Systems | 08 EC 6121 | DESIGN OF DSP SYSTEMS | |
| 153 | MTECH Applied Electronics and Communication Systems | 08 EC 6131 | ADVANCED DIGITAL COMMUNICATION | Y |
| 154 | MTECH Applied Electronics and Communication Systems | 08 EC 6141 | SYSTEM DESIGN USING EMBEDDED PROCESSORS | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

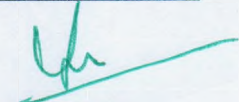
| | | | | |
|-----|---|---------------|---|---|
| 155 | MTECH Applied Electronics and Communication Systems | 08 EC 6151(A) | INFORMATION THEORY | Y |
| 156 | MTECH Applied Electronics and Communication Systems | 08 GN 6001 | RESEARCH METHODOLOGY | |
| 157 | MTECH Applied Electronics and Communication Systems | 08 EC 6161 | SEMINAR | Y |
| 158 | MTECH Applied Electronics and Communication Systems | 08 EC 6171 | EMBEDDED & SIGNAL PROCESSING SYSTEM LAB | Y |
| 159 | MTECH Applied Electronics and Communication Systems | 08EC6112 | DIGITAL SYSTEM DESIGN | Y |
| 160 | MTECH Applied Electronics and Communication Systems | 08EC6122 | WIRELESS COMMUNICATION | Y |
| 161 | MTECH Applied Electronics and Communication Systems | 08EC6132 | DIGITAL MOS CIRCUITS | |
| 162 | MTECH Applied Electronics and Communication Systems | 08EC6162 | MINI PROJECT | Y |
| 163 | MTECH Applied Electronics and Communication Systems | 08EC6172 | ADVANCED COMMUNICATION LAB | Y |



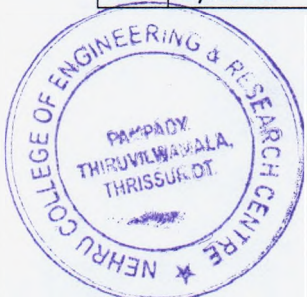

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|---|-------------|------------------------------|---|
| 164 | MTECH Applied Electronics and Communication Systems | 08EC7113(C) | BIOMEDICAL SIGNAL PROCESSING | Y |
| 165 | MTECH Applied Electronics and Communication Systems | 08EC7123(C) | SECURE COMMUNICATION | Y |
| 166 | MTECH Applied Electronics and Communication Systems | 08EC7133 | SEMINAR | Y |
| 167 | MTECH Applied Electronics and Communication Systems | 08EC7143 | PROJECT PHASE 1 | Y |
| 168 | MTECH Applied Electronics and Communication Systems | 08EC7114 | PROJECT PHASE II | Y |
| 169 | MTECH Applied Electronics and Communication Systems | 08EC6151A | Information Theory | |
| 170 | MTECH Applied Electronics and Communication Systems | 08EC6151B | Adaptive Signal Processing | Y |
| 171 | MTECH Applied Electronics and Communication Systems | 08EC6151C | Communication Networks | |
| 172 | MTECH Applied Electronics and Communication Systems | 08EC6151D | Optical Communication | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thirissur Dt,
 Pin 680 597 Kerala

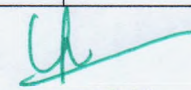
| | | | | |
|-----|---|-----------|---|---|
| 173 | MTECH Applied Electronics and Communication Systems | 08EC6142A | Multirate Signal Processing and Filter Bank | |
| 174 | MTECH Applied Electronics and Communication Systems | 08EC6142B | Spectral analysis of Signal | Y |
| 175 | MTECH Applied Electronics and Communication Systems | 08EC6142C | Spread Spectrum and CDMA Systems | Y |
| 176 | MTECH Applied Electronics and Communication Systems | 08EC6142D | Markov Modeling and Queuing Theory | Y |
| 177 | MTECH Applied Electronics and Communication Systems | 08EC6152A | Communication Switching Theory | Y |
| 178 | MTECH Applied Electronics and Communication Systems | 08EC6152B | Wavelets Theory | Y |
| 179 | MTECH Applied Electronics and Communication Systems | 08EC6152C | Power Electronics | |
| 180 | MTECH Applied Electronics and Communication Systems | 08EC6152D | Electronics System Design | Y |
| 181 | MTECH Applied Electronics and Communication Systems | 08EC7113A | Signal Compression-Theory & Methods | Y |



CPW
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

| | | | | |
|-----|---|-----------|--|---|
| 182 | MTECH Applied Electronics and Communication Systems | 08EC7113B | Speech and Audio Processing | Y |
| 183 | MTECH Applied Electronics and Communication Systems | 08EC7113C | Biomedical Signal Processing | Y |
| 184 | MTECH Applied Electronics and Communication Systems | 08EC7113D | DSP Algorithms and Architectures | Y |
| 185 | MTECH Applied Electronics and Communication Systems | 08EC7123A | Linear System Theory | |
| 186 | MTECH Applied Electronics and Communication Systems | 08EC7123B | Linear and Non Linear Optimization | Y |
| 187 | MTECH Applied Electronics and Communication Systems | 08EC7123C | Secure Communications | Y |
| 188 | MTECH Applied Electronics and Communication Systems | 08EC7123D | Information Hiding and Data Encryption | Y |
| 189 | BTECH AUTOMOBILE ENGINEERING | MA101 | Calculus | Y |
| 190 | BTECH AUTOMOBILE ENGINEERING | BE100 | Engineering Mechanics | Y |
| 191 | BTECH AUTOMOBILE ENGINEERING | PH110 | Engineering Physics Lab | |
| 192 | BTECH AUTOMOBILE ENGINEERING | MA102 | Differential Equations | Y |



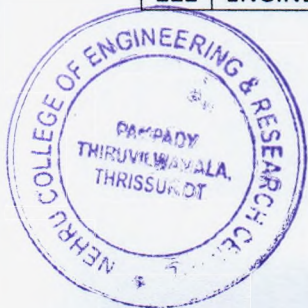

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamfady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

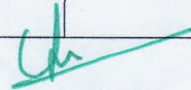
| | | | | |
|-----|------------------------------------|--------------|--|---|
| 193 | BTECH AUTOMOBILE ENGINEERING | BE110 | Engineering Graphics | |
| 194 | BTECH AUTOMOBILE ENGINEERING | BE102 | Design & Engineering | Y |
| 195 | BTECH AUTOMOBILE ENGINEERING | EC 100 | Basics of Electronics Engineering | Y |
| 196 | BTECH AUTOMOBILE ENGINEERING | AM14 303 | Mechanics of Solids | Y |
| 197 | BTECH AUTOMOBILE ENGINEERING | AM14 304 | Automobile Body Structure | |
| 198 | BTECH AUTOMOBILE ENGINEERING | AM14 305 | Engineering Thermodynamics | |
| 199 | BTECH AUTOMOBILE ENGINEERING | AM14 306 | Engineering Materials & Metallurgy | Y |
| 200 | BTECH AUTOMOBILE ENGINEERING | AM14 307 (P) | Automobile Body Structure Lab | Y |
| 201 | BTECH AUTOMOBILE ENGINEERING | AM14 308 (P) | Material Testing Lab | Y |
| 202 | BTECH AUTOMOBILE ENGINEERING | EN14 401A | Engineering Mathematics IV | Y |
| 203 | BTECH AUTOMOBILE ENGINEERING | AM14 403 | Fluid Mechanics & Machinery | Y |
| 204 | BTECH AUTOMOBILE ENGINEERING | AM14 404 | Automotive Engines | Y |
| 205 | BTECH AUTOMOBILE ENGINEERING | AM14 405 | Automotive Transmissions | Y |
| 206 | BTECH AUTOMOBILE ENGINEERING | AM14 406 | Computer Assisted Automobile Drawing | Y |
| 207 | BTECH AUTOMOBILE ENGINEERING | AM14 407 (P) | Fluids Lab | Y |
| 208 | BTECH AUTOMOBILE ENGINEERING | AM14 408 (P) | Machine Shop | |



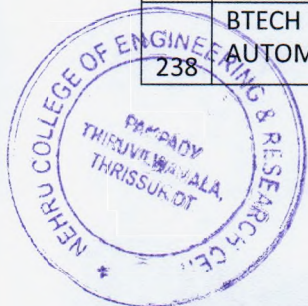

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panipady, Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|------------------------------------|--------------|---|---|
| | ENGINEERING | | | |
| 209 | BTECH AUTOMOBILE ENGINEERING | AM 09 501 | Heat and mass transfer | Y |
| 210 | BTECH AUTOMOBILE ENGINEERING | AM 09 502 | Automotive transmission | |
| 211 | BTECH AUTOMOBILE ENGINEERING | AM 09 503 | Engineering economics and principles of management | |
| 212 | BTECH AUTOMOBILE ENGINEERING | AM 09 504 | IC engines and gas turbines | |
| 213 | BTECH AUTOMOBILE ENGINEERING | AM 09 505 | Mechanics of machinery | |
| 214 | BTECH AUTOMOBILE ENGINEERING | AM 09 506 | Casting and Joining | |
| 215 | BTECH AUTOMOBILE ENGINEERING | AM 09 507(P) | Machine shop | |
| 216 | BTECH AUTOMOBILE ENGINEERING | AM 09 508(P) | Vehicle reconditioning lab | |
| 217 | BTECH AUTOMOBILE ENGINEERING | AM 09 601 | Vehicle dynamics | |
| 218 | BTECH AUTOMOBILE ENGINEERING | AM 09 602 | Metrology and instrumentation | |
| 219 | BTECH AUTOMOBILE ENGINEERING | AM 09 603 | Machine design - I | |
| 220 | BTECH AUTOMOBILE ENGINEERING | AM 09 604 | Metal cutting and forming | |
| 221 | BTECH AUTOMOBILE ENGINEERING | AM09 L01 | Composite Materials | |
| 222 | BTECH AUTOMOBILE ENGINEERING | AM09 L02 | Computational Methods in Engineering | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Campady Thiruvilwamala, Thrissur Dt
 Pin: 680 597 Kerala

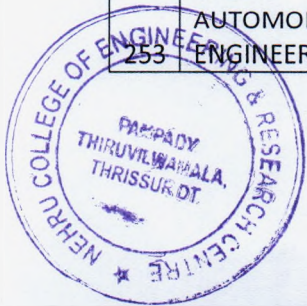
| | | | | |
|-----|------------------------------------|--------------|---|---|
| 223 | BTECH AUTOMOBILE ENGINEERING | AM09 L03 | Industrial Maintenance | |
| 224 | BTECH AUTOMOBILE ENGINEERING | AM09 L04 | Mechatronics | |
| 225 | BTECH AUTOMOBILE ENGINEERING | AM09 L05 | Tool Engineering and Design | |
| 226 | BTECH AUTOMOBILE ENGINEERING | AM 09 607(P) | Thermal lab-I | Y |
| 227 | BTECH AUTOMOBILE ENGINEERING | AM 09 608(P) | Instrumentation lab | |
| 228 | BTECH AUTOMOBILE ENGINEERING | AM09 701 | Machine Design - II | |
| 229 | BTECH AUTOMOBILE ENGINEERING | AM09 702 | Operation Management | Y |
| 230 | BTECH AUTOMOBILE ENGINEERING | AM09 703 | Auto electrical & electronics | |
| 231 | BTECH AUTOMOBILE ENGINEERING | AM09 704 | Auto power plant | |
| 232 | BTECH AUTOMOBILE ENGINEERING | AM09 L06 | Aerospace Engineering | |
| 233 | BTECH AUTOMOBILE ENGINEERING | AM 09 L07 | Combustion Engineering | |
| 234 | BTECH AUTOMOBILE ENGINEERING | AM 09 L08 | Computational Fluid Dynamics | Y |
| 235 | BTECH AUTOMOBILE ENGINEERING | AM 09 L09 | Computerized Materials Management | Y |
| 236 | BTECH AUTOMOBILE ENGINEERING | AM 09 L10 | Control System Engineering | Y |
| 237 | BTECH AUTOMOBILE ENGINEERING | AM 09 L11 | Cryogenic Engineering | |
| 238 | BTECH AUTOMOBILE ENGINEERING | AM 09 L12 | Design of Heat Transfer Equipments | |



[Signature]
PRINCIPAL

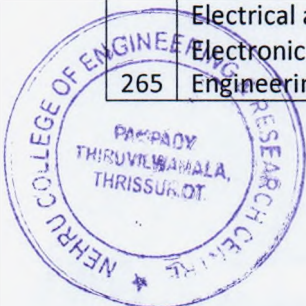
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

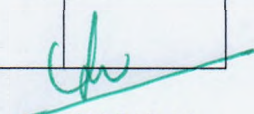
| | ENGINEERING | | | |
|-----|------------------------------------|--------------|--|---|
| 239 | BTECH AUTOMOBILE ENGINEERING | AM 09 L13 | Design of Jigs and Fixtures | |
| 240 | BTECH AUTOMOBILE ENGINEERING | AM09 707(P) | CAD Lab | Y |
| 241 | BTECH AUTOMOBILE ENGINEERING | AM09 708(P) | Thermal lab-II | |
| 242 | BTECH AUTOMOBILE ENGINEERING | AM09 709(P) | Project | Y |
| 243 | BTECH AUTOMOBILE ENGINEERING | AM 09 802 | Vehicle Maintenance and Testing | |
| 244 | BTECH AUTOMOBILE ENGINEERING | AM 09 L14 | Design of Pressure Vessels and Piping | |
| 245 | BTECH AUTOMOBILE ENGINEERING | AM 09 L15 | Financial Management | |
| 246 | BTECH AUTOMOBILE ENGINEERING | AM 09 L16 | Fracture Mechanics | Y |
| 247 | BTECH AUTOMOBILE ENGINEERING | AM 09 L17 | Heating, Ventilation and Air-conditioning Design | Y |
| 248 | BTECH AUTOMOBILE ENGINEERING | AM 09 L18 | Industrial Automation | |
| 249 | BTECH AUTOMOBILE ENGINEERING | AM 09 L19 | Industrial Tribology | |
| 250 | BTECH AUTOMOBILE ENGINEERING | AM 09 L20 | Logistics and Supply Chain Management | |
| 251 | BTECH AUTOMOBILE ENGINEERING | AM 09 L25 * | Technology Forecasting | |
| 252 | BTECH AUTOMOBILE ENGINEERING | AM 09 805(P) | Seminar | |
| 253 | BTECH AUTOMOBILE ENGINEERING | AM 09 806(P) | Project | |



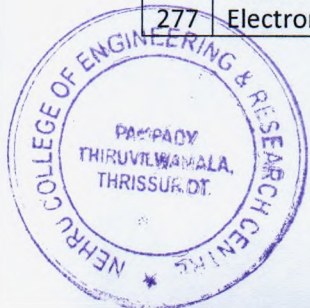

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|--|--------------|--|---|
| 254 | BTECH AUTOMOBILE ENGINEERING | AM 09 807(P) | Viva voce | |
| 255 | B Tech., Electrical and Electronics Engineering | MA 101 | Calculus | |
| 256 | B Tech., Electrical and Electronics Engineering | BE 110 | Engineering Graphics | |
| 257 | B Tech., Electrical and Electronics Engineering | BE 101-02 | Introduction to Mechanical Engineering Science | |
| 258 | B Tech., Electrical and Electronics Engineering | BE 101-03 | Introduction to Electrical Engineering | |
| 259 | B Tech., Electrical and Electronics Engineering | BE 101-04 | Introduction to Electronics Engineering | |
| 260 | B Tech., Electrical and Electronics Engineering | BE 101-05 | Introduction to Computing and Problem Solving | |
| 261 | B Tech., Electrical and Electronics Engineering | ME 100 | Basics of Mechanical Engineering | Y |
| 262 | B Tech., Electrical and Electronics Engineering | PH 110 | Engineering Physics Lab | |
| 263 | B Tech., Electrical and Electronics Engineering | CE 110 | Civil Engineering Workshop | |
| 264 | B Tech., Electrical and Electronics Engineering | ME 110 | Mechanical Engineering Workshop | |
| 265 | B Tech., Electrical and Electronics Engineering | EE 110 | Electrical Engineering Workshop | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|--|-------------|--|---|
| 266 | B Tech., Electrical and Electronics Engineering | EE14 303 | Electric Circuit Theory | |
| 267 | B Tech., Electrical and Electronics Engineering | EE14 304 | Electrical Measurements & Instrumentation Systems | |
| 268 | B Tech., Electrical and Electronics Engineering | EE14 305 | Analog Electronics | |
| 269 | B Tech., Electrical and Electronics Engineering | EE14 306 | Mechanical Engineering | |
| 270 | B Tech., Electrical and Electronics Engineering | EE14 307(P) | Basic Electrical Engg Lab | |
| 271 | B Tech., Electrical and Electronics Engineering | EE14 308(P) | Electronics LaB | |
| 272 | B Tech., Electrical and Electronics Engineering | EN14 401B | Engineering Mathematics IV | |
| 273 | B Tech., Electrical and Electronics Engineering | EE14 403 | Electrical Machines I | Y |
| 274 | B Tech., Electrical and Electronics Engineering | EE14 404 | Signals and Systems | |
| 275 | B Tech., Electrical and Electronics Engineering | EE14 405 | Digital Electronics | |
| 276 | B Tech., Electrical and Electronics Engineering | EE14 406 | Electromagnetic Field Theory | |
| 277 | B Tech., Electrical and Electronics Engineering | EE14 407(P) | Mechanical Engg. Lab | |



CP

PRINCIPAL
Nehru College of
Engineering and Research Centre
Panipady, Thiruvilwamala, Thrissur Dt.
Pin 680 597 Kerala

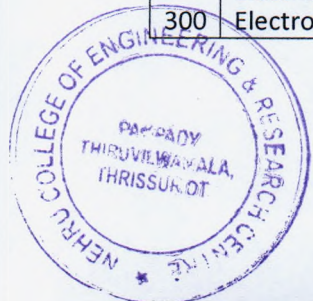
| | Engineering | | | |
|-----|--|-------------|---|--|
| 278 | B Tech., Electrical and Electronics Engineering | EE14 408(P) | Electrical Measurements & Instrumentation Lab | |
| 279 | B Tech., Electrical and Electronics Engineering | EE09 501 | Synchronous and Induction Machines | |
| 280 | B Tech., Electrical and Electronics Engineering | EE09 502 | Power System Generation, Transmission and Distribution | |
| 281 | B Tech., Electrical and Electronics Engineering | EE09 503 | Linear Control Systems | |
| 282 | B Tech., Electrical and Electronics Engineering | EE09 504 | Power Electronics | |
| 283 | B Tech., Electrical and Electronics Engineering | EE09 505 | Digital system Design | |
| 284 | B Tech., Electrical and Electronics Engineering | EE09 506 | Electrical Material Science | |
| 285 | B Tech., Electrical and Electronics Engineering | EE09 507(P) | Electrical Machines Lab I | |
| 286 | B Tech., Electrical and Electronics Engineering | EE09 508(P) | Digital Electronics Lab | |
| 287 | B Tech., Electrical and Electronics Engineering | EE09 601 | Microprocessors and Microcontrollers | |
| 288 | B Tech., Electrical and Electronics Engineering | EE09 602 | Engineering Economics and Principles of Management | |



Ch

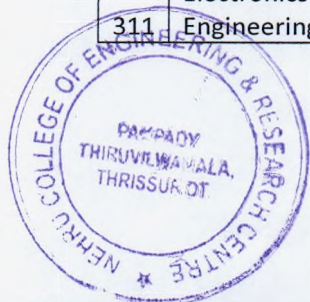
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampany Thiruvilwamala Thrissur Dt
Pin - 680 597 Kerala

| | | | | |
|-----|--|-------------|--|---|
| 289 | B Tech., Electrical and Electronics Engineering | EE09 603 | Modern Control Theory | |
| 290 | B Tech., Electrical and Electronics Engineering | EE09 604 | Electric Drives | |
| 291 | B Tech., Electrical and Electronics Engineering | EE09 605 | Electrical Engineering Drawing | |
| 292 | B Tech., Electrical and Electronics Engineering | EE09 L01 | Generalized Machine Theory | |
| 293 | B Tech., Electrical and Electronics Engineering | EE09 L02 | Numerical Analysis and Optimization Theory | |
| 294 | B Tech., Electrical and Electronics Engineering | EE09 L03 | Computer Organization and Architecture | |
| 295 | B Tech., Electrical and Electronics Engineering | EE09 L04 | Entrepreneurship | |
| 296 | B Tech., Electrical and Electronics Engineering | EE09 L05 | Bio- Medical Engineering | |
| 297 | B Tech., Electrical and Electronics Engineering | EE09 607(P) | Electrical Machines LabII | |
| 298 | B Tech., Electrical and Electronics Engineering | EE09 608(P) | Mini Project | |
| 299 | B Tech., Electrical and Electronics Engineering | EE09 701 | Power System Analysis | Y |
| 300 | B Tech., Electrical and Electronics Engineering | EE09 702 | Analog & Digital Communication | Y |



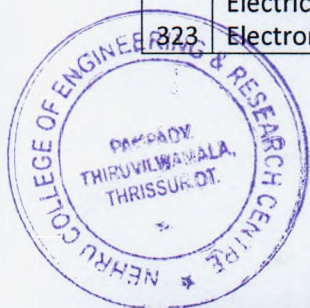
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thirissur Dt
Pin - 680 597, Kerala

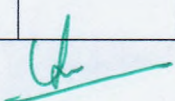
| | | | | |
|-----|--|-------------|---|---|
| | Engineering | | | |
| 301 | B Tech., Electrical and Electronics Engineering | EE09 703 | Digital Signal Processing | Y |
| 302 | B Tech., Electrical and Electronics Engineering | EE09 704 | Electrical Machine Design | |
| 303 | B Tech., Electrical and Electronics Engineering | EE09 707(P) | Power electronics Lab | |
| 304 | B Tech., Electrical and Electronics Engineering | EE09 708(P) | Advanced Electrical Engg. Lab | |
| 305 | B Tech., Electrical and Electronics Engineering | EE09 709(P) | Project | |
| 306 | B Tech., Electrical and Electronics Engineering | EE09 801 | Electrical System Design | |
| 307 | B Tech., Electrical and Electronics Engineering | EE09 802 | Power System Protection & Utilization | Y |
| 308 | B Tech., Electrical and Electronics Engineering | EE09 805(P) | Seminar | Y |
| 309 | B Tech., Electrical and Electronics Engineering | EE09 806(P) | Project | Y |
| 310 | B Tech., Electrical and Electronics Engineering | EE09 807(P) | Viva Voce | Y |
| 311 | B Tech., Electrical and Electronics Engineering | EE09 L06 | Special Electrical Machines | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panpady, Thiruvilwamala, Thrissur Dt
 Pin: 680 597 Kerala


| | | | | |
|-----|--|----------|--|---|
| 312 | B Tech., Electrical and Electronics Engineering | EE09 L07 | Digital Control Systems. | |
| 313 | B Tech., Electrical and Electronics Engineering | EE09 L08 | VLSI Design | Y |
| 314 | B Tech., Electrical and Electronics Engineering | EE09 L09 | Energy Auditing, Conservation and Management | Y |
| 315 | B Tech., Electrical and Electronics Engineering | EE09 L10 | Switched Mode Power Converters | Y |
| 316 | B Tech., Electrical and Electronics Engineering | EE09 L11 | Professional Ethics | Y |
| 317 | B Tech., Electrical and Electronics Engineering | EE09 L12 | Embedded Systems | |
| 318 | B Tech., Electrical and Electronics Engineering | EE09 L13 | High voltage Engineering | |
| 319 | B Tech., Electrical and Electronics Engineering | EE09 L14 | Advanced Topics in Power Systems | |
| 320 | B Tech., Electrical and Electronics Engineering | EE09 L15 | Advanced Power system Analysis and control | |
| 321 | B Tech., Electrical and Electronics Engineering | EE09 L16 | Optimal Control Theory | Y |
| 322 | B Tech., Electrical and Electronics Engineering | EE09 L17 | Digital Image Processing | |
| 323 | B Tech., Electrical and Electronics Engineering | EE09 L18 | Power System Planning and Load Forecasting | Y |



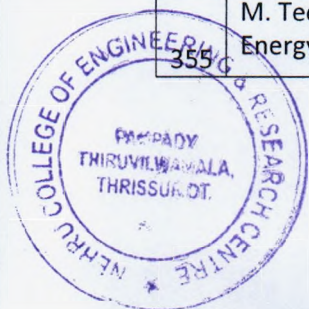

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

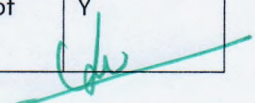
| | | | | |
|-----|--|-------------|---|----|
| | Engineering | | | |
| 324 | B Tech., Electrical and Electronics Engineering | EE09 L19 | Power Quality Issues and Remedial Measures | Y |
| 325 | B Tech., Electrical and Electronics Engineering | EE09 L20 | Management Information Systems | |
| 326 | B Tech., Electrical and Electronics Engineering | EE09 L21 | Organizational Behavior | |
| 327 | B Tech., Electrical and Electronics Engineering | EE09 L22 | Soft Computing Techniques | |
| 328 | B Tech., Electrical and Electronics Engineering | EE09 L23 | Process Control and Instrumentation | |
| 329 | B Tech., Electrical and Electronics Engineering | EE09 L24 | Mechatronics | |
| 330 | B Tech., Electrical and Electronics Engineering | EE09 L25 | Robotics & Automation | |
| 331 | B Tech., Electrical and Electronics Engineering | EE09 L26 | Satellite Communication | |
| 332 | M. Tech., Energy Systems | 08EE6011 | Applied Mathematics | |
| 333 | M. Tech., Energy Systems | 08EE6021 | Advanced Energy Conversion Systems | Y |
| 334 | M. Tech., Energy Systems | 08EE6031 | Renewable Energy Technology | Y |
| 335 | M. Tech., Energy Systems | 08EE6041 | Electrical Energy Systems and Management | Y. |
| 336 | M. Tech., Energy Systems | 08EE6051(A) | Energy Policies for Sustainable Development | Y |



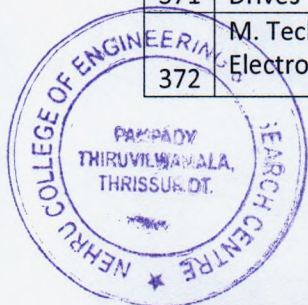

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pamapady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala


| | | | | |
|-----|-----------------------------|--------------|--|---|
| 337 | M. Tech., Energy Systems | 08EE6051(B) | Energy Modelling, Economics and Project Management | |
| 338 | M. Tech., Energy Systems | 08EE6051(C) | Advanced Instrumentation | |
| 339 | M. Tech., Energy Systems | 08EE6071 | Seminar | |
| 340 | M. Tech., Energy Systems | 08EE6081 | Energy Systems Lab | Y |
| 341 | M. Tech., Energy Systems | 08EE6012 | Design and Analysis of Energy Systems | Y |
| 342 | M. Tech., Energy Systems | 08EE6022 | Energy Conservation in Thermal Systems | |
| 343 | M. Tech., Energy Systems | 08EE6032 | Energy and Environment | |
| 344 | M. Tech., Energy Systems | 08EE6042(A) | Hydro Power Systems | |
| 345 | M. Tech., Energy Systems | 08EE6042(B) | Optimization Techniques | Y |
| 346 | M. Tech., Energy Systems | 08EE6042(C) | Computational Fluid Dynamics | |
| 347 | M. Tech., Energy Systems | 08EE6052(A) | Wind Energy and its Utilization | |
| 348 | M. Tech., Energy Systems | 08EE6052(B) | Advanced Solar Thermal and PV Systems | |
| 349 | M. Tech., Energy Systems | 08EE6052(C) | Emerging Refrigeration Technologies | Y |
| 350 | M. Tech., Energy Systems | 08EE6062 | Mini Project | |
| 351 | M. Tech., Energy Systems | 08EE6072 | Power Electronics Lab | |
| 352 | M. Tech., Energy Systems | MES10 301(A) | Research Methodology | |
| 353 | M. Tech., Energy Systems | MES10 301(B) | Theory of Combustion | |
| 354 | M. Tech., Energy Systems | MES10 301(C) | Energy Efficient Buildings | |
| 355 | M. Tech., Energy Systems | MES10 302(A) | Optimal Design of Heat Exchangers | Y |



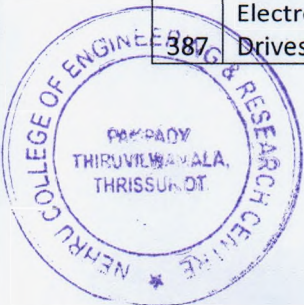

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady Thiruvilwamala, Thirissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|--|---------------|---|---|
| 356 | M. Tech., Energy Systems | MES10 302(B) | Soft Computing Techniques | |
| 357 | M. Tech., Energy Systems | MES10 302(C) | Nanomaterials and Nanotechnology | y |
| 358 | M. Tech., Energy Systems | MES10 303(P) | Industrial Training | |
| 359 | M. Tech., Energy Systems | MES10 401 | Research Project Phase- I | Y |
| 360 | M. Tech., Energy Systems | MES10 304(P) | Research Project - Phase II | Y |
| 361 | M. Tech., Power Electronics & Drives | 08EE6111 | Applied Mathematics | Y |
| 362 | M. Tech., Power Electronics & Drives | 08EE6121 | System Dynamics | |
| 363 | M. Tech., Power Electronics & Drives | 08EE6131 | Analysis of Power Electronics Circuits I | |
| 364 | M. Tech., Power Electronics & Drives | 08EE6141 | Electric Drives | |
| 365 | M. Tech., Power Electronics & Drives | 08EE6151 (A) | Power Semiconductor Devices & Modelling | |
| 366 | M. Tech., Power Electronics & Drives | 08EE6151 (B) | Dynamics of Electrical Machines | |
| 367 | M. Tech., Power Electronics & Drives | 08EE6151(C) | High Voltage DC Transmissions | |
| 368 | M. Tech., Power Electronics & Drives | 08EE6171 | Seminar | |
| 369 | M. Tech., Power Electronics & Drives | 08EE6181 | Power Electronics Lab | |
| 370 | M. Tech., Power Electronics & Drives | 08EE6112 | Analysis of Power Electronics Circuits II | |
| 371 | M. Tech., Power Electronics & Drives | 08EE6122 | Digital Control Systems | |
| 372 | M. Tech., Power Electronics & | 08EE6132 | Advanced Electric Drives | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

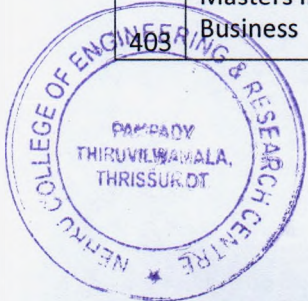
| | | | | |
|-----|--------------------------------------|---------------|--|--|
| | Drives | | | |
| 373 | M. Tech., Power Electronics & Drives | 08EE6142 (A) | Facts and Custom Power Devices | |
| 374 | M. Tech., Power Electronics & Drives | 08EE6142 (B) | Power Quality | |
| 375 | M. Tech., Power Electronics & Drives | 08EE6142(C) | Digital Simulation of Power Electronic Systems | |
| 376 | M. Tech., Power Electronics & Drives | 08EE6152 (A) | Embedded Controllers & Real Time Systems | |
| 377 | M. Tech., Power Electronics & Drives | 08EE6152 (B) | DSP& its Applications | |
| 378 | M. Tech., Power Electronics & Drives | 08EE6152(C) | Switched Mode Power Converters | |
| 379 | M. Tech., Power Electronics & Drives | 08EE6162 | Mini Project | |
| 380 | M. Tech., Power Electronics & Drives | 08EE6172 | Electric Drives Lab | |
| 381 | M. Tech., Power Electronics & Drives | EPE10 301(A) | Optimization Techniques | |
| 382 | M. Tech., Power Electronics & Drives | EPE10 301(B) | Special Electrical Machines & Drives | |
| 383 | M. Tech., Power Electronics & Drives | EPE10 301(C) | Industrial Instrumentation | |
| 384 | M. Tech., Power Electronics & Drives | EPE10 302 (A) | VLSI Architecture & Design Methodologies | |
| 385 | M. Tech., Power Electronics & Drives | EPE10 302 (B) | Soft Computing Techniques | |
| 386 | M. Tech., Power Electronics & Drives | EPE10 302 (C) | Computer Networking | |
| 387 | M. Tech., Power Electronics & Drives | EPE10 303(P) | Industrial Training | |



Ch

PRINCIPAL
Nehru College of
Engineering and Research Centre
Panpady, Thiruvilwamala, Thiruvananthapuram
Pin - 680 597 Kerala

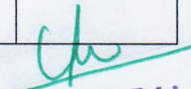
| | | | | |
|-----|--------------------------------------|--------------|---------------------------------|---|
| 388 | M. Tech., Power Electronics & Drives | EPE10 304(P) | Research Project Phase I | |
| 389 | M. Tech., Power Electronics & Drives | EPE10 401 | Research Project Phase II | |
| 390 | Masters in Business Administration | BUS1C01 | Business Communication | |
| 391 | Masters in Business Administration | BUS1C02 | Management Theory and Practices | |
| 392 | Masters in Business Administration | BUS1C03 | Organisational Behaviour | |
| 393 | Masters in Business Administration | BUS1C04 | Managerial Economics | Y |
| 394 | Masters in Business Administration | BUS1C05 | Quantative Techniques | |
| 395 | Masters in Business Administration | BUS1C06 | Accounting for managers | Y |
| 396 | Masters in Business Administration | BUS1C07 | Business Environment | |
| 397 | Masters in Business Administration | BUS1C08 | IT for managers | Y |
| 398 | Masters in Business Administration | BUS1C09 | Business Communication | Y |
| 399 | Masters in Business Administration | BUS2C01 | Marketing Management | Y |
| 400 | Masters in Business Administration | BUS2C02 | Financial Management | Y |
| 401 | Masters in Business Administration | BUS2C03 | Operation Management | Y |
| 402 | Masters in Business Administration | BUS2C04 | HRM | |
| 403 | Masters in Business | BUS2C05 | Management Science | |



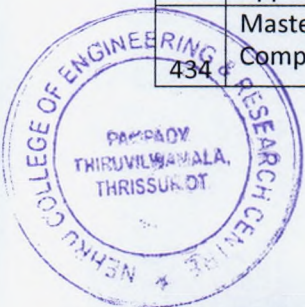

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampadu, Thiruvilwamala, Thirissur Dt.
 Pin: 680 597 Kerala

| | | | | |
|-----|------------------------------------|----------|-------------------------------|---|
| | Administration | | | |
| 404 | Masters in Business Administration | BUS2C06 | Management Information System | |
| 405 | Masters in Business Administration | BUS2C07 | Research Methodology | Y |
| 406 | Masters in Business Administration | BUS2C08 | Soft Skill Development | |
| 407 | Masters in Business Administration | BUS3C018 | Strategic Management | y |
| 408 | Masters in Business Administration | BUS3C019 | CQM | |
| 409 | Masters in Business Administration | BUS3C20 | Project Management | |
| 410 | Masters in Business Administration | BUS3C21 | Supply chain management | |
| 411 | Masters in Business Administration | BUS3C22 | Investment Management | |
| 412 | Masters in Business Administration | MBAFIN2 | International Finance | |
| 413 | Masters in Business Administration | MBAFIN3 | Advanced Financial Management | Y |
| 414 | Masters in Business Administration | MBAMAR3 | Brand Management | Y |
| 415 | Masters in Business Administration | MBAMAR4 | Consumer Behaviour | |
| 416 | Masters in Business Administration | MBAMAR6 | Sales Management | |
| 417 | Masters in Business Administration | MBASYS3 | Electronic Commerce | |
| 418 | Masters in Business Administration | MBAIB01 | International Marketing | Y |



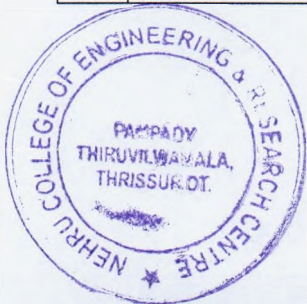

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Panampady Thiruvilwamala, Thrissur Dt.
 Pin - 680 100

| | | | | |
|-----|------------------------------------|---------------|--|---|
| 419 | Masters in Business Administration | MBAHRM01 | Manageing self and others | |
| 420 | Masters in Business Administration | MBAHRM03 | HRPD | |
| 421 | Masters in Business Administration | BUS4C23 | New Enterprise Management | |
| 422 | Masters in Business Administration | BUS4C24 | International Business | Y |
| 423 | Masters in Business Administration | BUS4C25 | Indian Ethos | |
| 424 | Masters in Business Administration | MBAHRM05 | Global HRM | Y |
| 425 | Masters in Business Administration | MBASYS04 | ERP | Y |
| 426 | Masters in Business Administration | MBAMAR06 | Retail Management | |
| 427 | Masters in Business Administration | MBAHRM04 | Management of Training and Development | |
| 428 | Masters in Business Administration | MBAMAR05 | Sales Management | |
| 429 | Masters in Computer Applications | MCA 10 101 | Discrete Structures | Y |
| 430 | Masters in Computer Applications | MCA 10 102 | Probability and Statistics | |
| 431 | Masters in Computer Applications | MCA 10 103 | Computer Programming | Y |
| 432 | Masters in Computer Applications | MCA 10 104 | Logic Design | |
| 433 | Masters in Computer Applications | MCA 10 105 | Principles of Software Engineering | |
| 434 | Masters in Computer | MCA 10 106(P) | Software Lab I (PROGRAMMING | y |



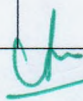
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady Thiruvilwamala, Thrikkurthi Dt
Pin 680 597 Kerala

| | Applications | | THROUGH C & C++) | |
|-----|----------------------------------|---------------|---|---|
| 435 | Masters in Computer Applications | MCA 10 201 | Graph Theory and Combinatorics | Y |
| 436 | Masters in Computer Applications | MCA 10 202 | Computer Organization | Y |
| 437 | Masters in Computer Applications | MCA 10 203 | Database Management Systems | y |
| 438 | Masters in Computer Applications | MCA 10 204 | Operating Systems | Y |
| 439 | Masters in Computer Applications | MCA 10 205 | Data Structures | Y |
| 440 | Masters in Computer Applications | MCA 10 206(P) | Software Lab II (data Structures) | |
| 441 | Masters in Computer Applications | MCA 10 301 | Numerical analysis and Optimization Techniques | |
| 442 | Masters in Computer Applications | MCA 10 302 | Computer Networks | y |
| 443 | Masters in Computer Applications | MCA 10 303 | Principles of Compiler Design | Y |
| 444 | Masters in Computer Applications | MCA 10 304 | Core Java | Y |
| 445 | Masters in Computer Applications | MCA 10 305 | Principles of Accounting and Financial Management | Y |
| 446 | Masters in Computer Applications | MCA 10 306(P) | Software Lab III (DBMS Lab) | |
| 447 | Masters in Computer Applications | MCA 10 401 | Cryptography and Network Security | |

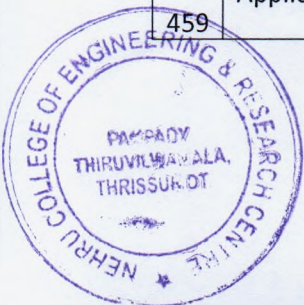


Ch
PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt
 Pin - 680 597, Kerala

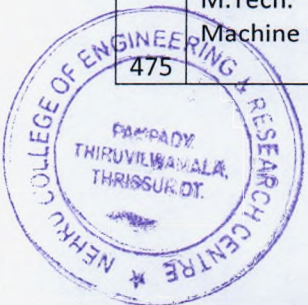
| | | | | |
|-----|----------------------------------|---------------|--|---|
| 448 | Masters in Computer Applications | MCA 10 402 | Software Architecture and Project Management | |
| 449 | Masters in Computer Applications | MCA 10 403 | Web Programming | |
| 450 | Masters in Computer Applications | MCA 10 404 C | Advanced DBMS | |
| 451 | Masters in Computer Applications | MCA 10 405 C | Embedded Systems | Y |
| 452 | Masters in Computer Applications | MCA 10 406(P) | MINI PROJECT | |
| 453 | Masters in Computer Applications | MCA10 501 | Object oriented modeling and Design | |
| 454 | Masters in Computer Applications | MCA10 502 | Computer Graphics and Multimedia Systems | |
| 455 | Masters in Computer Applications | MCA10 503 | Wireless Communication | Y |
| 456 | Masters in Computer Applications | MCA10 504 B | Computer Architecture | Y |
| 457 | Masters in Computer Applications | MCA10 505 A | Data Mining and Data ware housing | Y |
| 458 | Masters in Computer Applications | MCA10 506(p) | Seminar | |
| 459 | Masters in Computer Applications | MCA 10 601 | Project | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thirissur Dt
 Pin - 680 597 Kerala

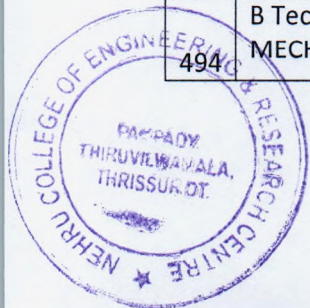


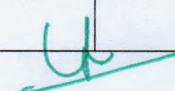
| | | | | |
|-----|------------------------------------|----------------|--|---|
| 460 | BTECH MECHANICAL ENGINEERING | ME09 601 | Dynamics of Machinery | |
| 461 | BTECH MECHANICAL ENGINEERING | ME09 602 | Finite Element Method | |
| 462 | BTECH MECHANICAL ENGINEERING | ME09 603 | Machine Design – I | |
| 463 | BTECH MECHANICAL ENGINEERING | ME09 604 | Operation Research | |
| 464 | BTECH MECHANICAL ENGINEERING | ME09 605 | Computer Integrated Manufacturing | |
| 465 | BTECH MECHANICAL ENGINEERING | ME09 606 L(01) | Composite Materials | Y |
| 466 | BTECH MECHANICAL ENGINEERING | ME09 607 (P) | Mini Project / Lab | |
| 467 | BTECH MECHANICAL ENGINEERING | ME09 608 (P) | Thermal Lab-II | Y |
| 468 | BTECH MECHANICAL ENGINEERING | ME14 303 | Fluid Mechanics | |
| 469 | BTECH MECHANICAL ENGINEERING | ME14 304 | Mechanics of Solids | |
| 470 | BTECH MECHANICAL ENGINEERING | ME14 305 | Electrical Technology | |
| 471 | BTECH MECHANICAL ENGINEERING | ME14 306 | Metallurgy and Material Science | |
| 472 | BTECH MECHANICAL ENGINEERING | ME14 307 P | Computer Assisted Machine Drawing | |
| 473 | BTECH MECHANICAL ENGINEERING | ME14 308 P | Electrical Technology Lab | |
| 474 | M.Tech. Machine Design | ME08 6001 | Research Methodology | |
| 475 | M.Tech. Machine Design | ME08 6011 | Advanced Engineering Mathematics | |



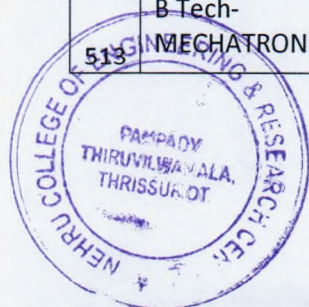

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pam-pady, Thiruvilwamala, Thrissur Dt
 Pin 680 597 Kerala

| | | | | |
|-----|---------------------------|-------------|---|---|
| 476 | M.Tech. Machine Design | ME08 6021 | Advanced Mechanics of Solids | Y |
| 477 | M.Tech. Machine Design | ME08 6031 | Theory of Vibrations | |
| 478 | M.Tech. Machine Design | ME08 6041 | Design Engineering | |
| 479 | M.Tech. Machine Design | ME08 6051 | Advanced Mechatronics Systems | |
| 480 | M.Tech. Machine Design | ME08 6071 | Seminar | |
| 481 | M.Tech. Machine Design | ME08 6081 | Advanced Measurement Lab | Y |
| 482 | M.Tech. Machine Design | 08ME6012 | Advanced Machine design | Y |
| 483 | M.Tech. Machine Design | 08ME6022 | Advanced Mechanisms Design and Simulation | Y |
| 484 | M.Tech. Machine Design | 08ME6032 | Advanced FEA | Y |
| 485 | M.Tech. Machine Design | 08ME6042(A) | Composite Materials | Y |
| 486 | M.Tech. Machine Design | 08ME6052(A) | Optimization Techniques in Design | |
| 487 | M.Tech. Machine Design | 08ME6062 | Mini Project | Y |
| 488 | M.Tech. Machine Design | 08ME6072 | CAD Lab | Y |
| 489 | B Tech- MECHATRONICS | BE 103 | SUSTAINABLE ENGINEERING | Y |
| 490 | B Tech- MECHATRONICS | PH 100 | Engineering Physics | |
| 491 | B Tech- MECHATRONICS | BE 100 | Engineering Mechanics | Y |
| 492 | B Tech- MECHATRONICS | BE 102 | Design and Engineering | |
| 493 | B Tech- MECHATRONICS | CE 100 | Basics of Civil Engineering | |
| 494 | B Tech- MECHATRONICS | EE 100 | Basics of Electrical Engineering | |



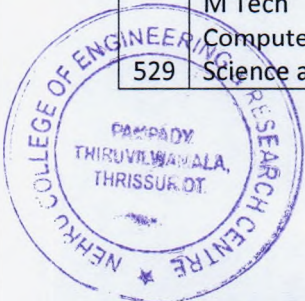

PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala Thrissur Dt
 Pin - 686 551 Kerala

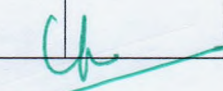
| | | | | |
|-----|-------------------------|--------------|--|---|
| 495 | B Tech- MECHATRONICS | CE 110 (P) | Civil Engineering Workshop | |
| 496 | B Tech- MECHATRONICS | MA201 | Linear Algebra & Complex Analysis | Y |
| 497 | B Tech- MECHATRONICS | MR201 | C Programming | Y |
| 498 | B Tech- MECHATRONICS | EE209 | Electrical Technology | Y |
| 499 | B Tech- MECHATRONICS | EC209 | Analog Electronics | Y |
| 500 | B Tech- MECHATRONICS | MR205 | Science of Measurements | Y |
| 501 | B Tech- MECHATRONICS | HS200/HS210 | Business Economics/Life Skills | Y |
| 502 | B Tech- MECHATRONICS | MT14 403 | Fluid Mechanics & Machinery | Y |
| 503 | B Tech- MECHATRONICS | MT14 405 | Linear Integrated Circuits and Digital Systems | Y |
| 504 | B Tech- MECHATRONICS | MT14 406 | Computer Assisted Machine Drawing | Y |
| 505 | B Tech- MECHATRONICS | MT14 501 | Microfabrication Process | |
| 506 | B Tech- MECHATRONICS | MT14 502 | Manufacturing Technology | |
| 507 | B Tech- MECHATRONICS | MT14 503 | Engineering Economics & | |
| 508 | B Tech- MECHATRONICS | MT14 504 | Sensors and Actuators | |
| 509 | B Tech- MECHATRONICS | MT14 505 | Mechanics of Machinery | |
| 510 | B Tech- MECHATRONICS | MT14 506 | PLC and Data Acquisition Systems | |
| 511 | B Tech- MECHATRONICS | MT14 507 (P) | Measurements and PLC Lab | |
| 512 | B Tech- MECHATRONICS | MT14 508 (P) | CAD / CAM Lab | |
| 513 | B Tech- MECHATRONICS | MT09 601 | Robotics Engineering | |



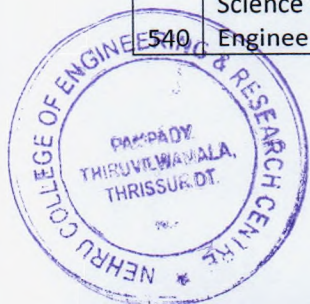
Ch
PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

| | | | | |
|-----|--|---------------|---|---|
| 514 | B Tech- MECHATRONICS | MT09 602 | Microprocessors and Microcontrollers | |
| 515 | B Tech- MECHATRONICS | MT09 603 | Design of Mechatronics Systems | |
| 516 | B Tech- MECHATRONICS | MT09 604 | Digital Manufacturing | Y |
| 517 | B Tech- MECHATRONICS | MT09 605 | Embedded Systems | |
| 518 | B Tech- MECHATRONICS | MT09 607 (P) | Microprocessors Microcontroller Lab | |
| 519 | B Tech- MECHATRONICS | MT09 608 (P) | Mini Project | |
| 520 | B Tech- MECHATRONICS | MT09 606(A) | Computer Aided Inspection and Quality Assurance | Y |
| 521 | B Tech- MECHATRONICS | MT09 606 (B) | Environmental Pollution Control | |
| 522 | B Tech- MECHATRONICS | MT09 606 (C) | Non Conventional Machining Techniques | |
| 523 | B Tech- MECHATRONICS | MT09 606 (D) | Marketing Management | |
| 524 | B Tech- MECHATRONICS | MT09 606 (E) | Composite Materials | Y |
| 525 | M Tech Computer Science and Engineering | 08 CS 6011 | Operating System Design | |
| 526 | M Tech Computer Science and Engineering | 08 CS 6021 | Advanced Data Structures | |
| 527 | M Tech Computer Science and Engineering | 08 CS 6031 | Advanced Database Technology | |
| 528 | M Tech Computer Science and Engineering | 08 CS 6041 | Mathematical Foundations of Computer Science | |
| 529 | M Tech Computer Science and Engineering | 08 CS 6051(A) | Computational Intelligence | |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 501, Kerala

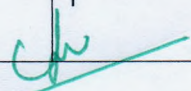
| | | | | |
|-----|--|----------------|----------------------------------|---|
| | Engineering | | | |
| 530 | M Tech Computer Science and Engineering | 08 CS 6071(P) | Seminar I | |
| 531 | M Tech Computer Science and Engineering | 08 CS 6081(P) | Advanced Data Structures Lab | |
| 532 | M Tech Computer Science and Engineering | 08 CS 6012 | Advanced Compiler Design | |
| 533 | M Tech Computer Science and Engineering | 08 CS 6022 | Information Retrieval | |
| 534 | M Tech Computer Science and Engineering | 08 CS 6032 | Evolutionary Computing | |
| 535 | M Tech Computer Science and Engineering | 08 CS 6042(B) | Big Data Essentials | |
| 536 | M Tech Computer Science and Engineering | 08 CS 6052(A) | Cloud Computing | Y |
| 537 | M Tech Computer Science and Engineering | 08 CS 6062(P) | Mini Project | |
| 538 | M Tech Computer Science and Engineering | 08 CS 6072 (P) | Data mining and Analytics Lab | Y |
| 539 | M Tech Computer Science and Engineering | MCS10 301(A) | Digital Image Processing | Y |
| 540 | M Tech Computer Science and Engineering | MCS10 302(B) | Information Theory and Coding | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala

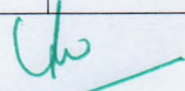
| | | | | |
|-----|--|---------------|---|---|
| 541 | M Tech Computer Science and Engineering | MCS10 303(P) | Industrial Training | Y |
| 542 | M Tech Computer Science and Engineering | MCS10 304(P) | Master Research Project Phase I | |
| 543 | M Tech Computer Science and Engineering | MCS 10 401(P) | Masters Research Project (Phase II) | Y |
| 544 | B Tech Information Technology | IT09 501 | Software Architecture & Project Management | |
| 545 | B Tech Information Technology | IT09 502 | Industrial Economics and principles of management | |
| 546 | B Tech Information Technology | IT09 503 | Embedded systems | Y |
| 547 | B Tech Information Technology | IT09 504 | Operating systems | Y |
| 548 | B Tech Information Technology | IT09 505 | Digital data Communication | Y |
| 549 | B Tech Information Technology | IT09 506 | Theory of Computation | |
| 550 | B Tech Information Technology | IT09 507(P) | Systems Lab | |
| 551 | B Tech Information Technology | IT09 508(P) | Hardware Lab | |
| 552 | B Tech Information Technology | IT09 601 | Software quality management | |
| 553 | B Tech Information Technology | IT09 602 | Compiler Design | Y |
| 554 | B Tech Information Technology | IT09 603 | Computer Networks | Y |
| 555 | B Tech Information | IT09 604 | Database Management | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady, Thiruvilwamala, Thrissur Dt
 Pin - 680 597 Kerala


| | Technology | | Systems | |
|-----|-------------------------------|-------------|---|---|
| 556 | B Tech Information Technology | IT09 605 | Human Computer Interaction | |
| 557 | B Tech Information Technology | IT09 L05 | Information Retrieval | Y |
| 558 | B Tech Information Technology | IT09 607(P) | Database Management Lab | Y |
| 559 | B Tech Information Technology | IT09 608(P) | Mini Project | Y |
| 560 | B Tech Information Technology | IT09 701 | Computer Graphics | Y |
| 561 | B Tech Information Technology | IT09 702 | Natural Language Processing And Knowledge Based Systems | |
| 562 | B Tech Information Technology | IT09 703 | Internet Technology | |
| 563 | B Tech Information Technology | IT09 704 | Cryptography and Network security | |
| 564 | B Tech Information Technology | T09 705 | Elective II | |
| 565 | B Tech Information Technology | IT09 706 | Elective III | |
| 566 | B Tech Information Technology | IT09 707(P) | Network Programming Lab | Y |
| 567 | B Tech Information Technology | IT09 708(P) | Computer Graphics and Multimedia Lab | Y |
| 568 | B Tech Information Technology | IT09 709(P) | Project | |
| 569 | B Tech Information Technology | IT09 801 | Mobile Communication System | Y |




PRINCIPAL
 Nehru College of
 Engineering and Research Centre
 Pampady Thiruvilwamala, Thrissur Dt.
 Kerala

| | | | | |
|-----|-------------------------------------|-------------|------------------------|---|
| 570 | B Tech Information Technology | IT09 802 | High Speed Networks | y |
| 571 | B Tech Information Technology | IT09 803 | Elective IV | y |
| 572 | B Tech Information Technology | IT09 804 | Elective V | |
| 573 | B Tech Information Technology | IT09 805(P) | Seminar | |
| 574 | B Tech Information Technology | IT09 806(P) | Project | |
| 575 | B Tech Information Technology | IT09 807(P) | Viva Voce | |

No. of Courses:247



Principal

PRINCIPAL 
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

