**B.E. ECE III Semester AICTE Model Curriculum**

**(Service Courses) [New] Revised & Tentative**

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| **Sl.No** | **Dept** | **Syllabus**  **Ref. No.** | **Subject** | **Faculty** | |
| **Sec-A** | **Sec-B** |
| 1 | **CSE** | ES214EC | **Theory**  Basic Electronics | Dr.Salma Fauzia | Dr.Salma Fauzia |
| 2 | **IT** | ES214EC | Basic Electronics | Mrs.Shubhangi Saxena | Mrs.Shubhangi Saxena |
| 3 | **AID** | ES214EC | Basic Electronics | Dr.Nazia Parveen | - |
| 4 | **MECH** | ES214EC | Basic Electronics | Mr.Muneeruddin | Mr.Muneeruddin |
| 5 | **CSE** | ES215EC | Digital Electronics | Mrs.Sabeera Khader | Mrs.Sabeera Khader |
| 6 | **IT** | ES215EC | Digital Electronics | Dr.Sabir Hussain | Dr.Sabir Hussain |
| 7 | **AID** | ES215EC | Digital Electronics | Mrs.Sabeera Khader | - |
| 7 | **EEE** | PC222EC | Analog  Electronics | Mr.Zakir Hussain | - |
| 8 | **EIE** | PC222EC | Analog  Electronics | Mr.Zakir Hussain | - |
| 1 | **CSE** | ES251EC | **Practical**  Basic Electronics Lab | Dr.Salma Fauzia  - | Mrs.Sabeera Khader  - |
| 2 | **IT** | ES251EC | Basic Electronics Lab | Mrs. Shubhangi Saxena  - | Mr.Syed Hifazath Ali Khan  - |
| 3 | **AID** | ES251EC | Basic Electronics Lab | Mr.Syed Hifazath Ali Khan  - | - |
| 4 | **EIE** | PC251EC | Analog Electronics Lab | Mrs.P.Kamala Kumari  - | - |
| 5 | **EEE** | PC251EC | Analog Electronics Lab | Mr.Zakir Hussain  - | - |

**B.E. ECE III Semester (AICTE Model Curriculum)**

**(NEW)**

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| **Sl** | **Dept** | **Syllabus**  **Ref. No.** | **Subject** | **Faculty** | |
| **Sec-A** | **Sec-B** |
| 1 | ECE | HS102EG | **Theory**  Effective Technical  Communication in English | - | - |
| 2 | ECE | HS103CM | Finance and  Accounting | - | - |
| 3 | ECE | ES303EC | Digital Electronics | Mr.Noorullah Khan | Mr.Noorullah Khan |
| 4 | ECE | ES304EC | Probability Theory and Stochastic Processes | Mr.Iftekharuddin | Mr.Iftekharuddin |
| 5 | ECE | PC401EC | Electronic Devices | Ms. Maliha Naaz | Ms. Maliha Naaz |
| 6 | ECE | PC402EC | Network Theory | Dr.Arifuddin Sohel | Dr.Arifuddin Sohel |
| 7 | ECE | PC451EC | **Practical**  ElectronicDevices and Circuits Lab | Ms.Maliha Naaz/  Mr.Muneeruddin | Mr.Noorullah Khan/  Mrs. Kamala Kumari |
| 8 | ECE | PC452EC | Electronic Workshop Lab | Mrs. Prashanthi/  Dr.Salma Fauzia | Mr.Muneeruddin/  Ms.Maliha Naaz |

**B.E. ECE V Semester (AICTE Model Curriculum)**

**(NEW)**

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| **Sl.No** | **Dept** | **Syllabus**  **Ref. No.** | **Subject** | **Faculty** | |
| **Sec-A** | **Sec-B** |
| 1 | ECE | PC408EC | Digital Signal Processing | Mrs.B.Sucharitha | Mrs.B.Sucharitha |
| 2 | ECE | PC409EC | Microprocessors and Microcontrollers | Mr.Hakeem Aejaz Aslam | Dr.Kaleem Fatima |
| 3 | ECE | PC410EC | Analog Communication | Mr.Syed Hifazath Ali Khan | Mr.Syed Hifazath Ali Khan |
| 4 | ECE | PC411EC | Automatic Control Systems | Mrs. P.Kamala Kumari | Mrs.P.Kamala Kumari |
| 5 | ECE | PC412EC | Antennas and Wave Propagation | Mrs.G.S.L.B.V.Prashanthi | Mrs.G.S.L.B.V.Prashanthi |
|  | ECE | HS104ME | Industrial Administration And Financial Mgmt | - | - |
| Digital Signal Pr  7 | ECE | PC455EC | **Practical**  Microprocessor and Microcontroller Lab | Mr.Hakeem Aejaz Aslam  Mr.Noorullah Khan | Mr.Zakir Hussain  Dr.Sabir Hussain |
| 8 | ECE | PC456EC | Systems & Signal  Processing Lab | Mrs.B.Sucharitha  - | Mrs.Nazeerunnisa  - |
| 9 | ECE | PC457EC | Mini Project | Mrs.Shubhangi Saxena | Mrs.B.Sucharitha |

**B.E. ECE VII Semester (AICTE) New**

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| **Sl.No** | **Dept** | **Syllabus**  **Ref. No.** | **Subject** | **Faculty** | |
| **Sec-A** | **Sec-B** |
| **1** | **ECE** | **PC701EC** | **Theory**  **Embedded System** | **Mr.J.K.Nag** | **Mrs.Afshan Kaleem** |
| **2** | **ECE** | **PC702EC** | **VLSI Design** | **Dr.M.A.Raheem** | **Dr.M.A.Raheem** |
| **3.** | **ECE** | **PC703EC** | **Microwave Techniques** | **Dr.Ayesha Naaz** | **Dr.Ayesha Naaz** |
| **4.** | **ECE** | **PE721EC** | **Professional**  **Elective-II**  **Mobile and Cellular Communications** | **Mrs.Nazeerunnisa** | **Mrs.Nazeerunnisa** |
| **5.** | **ECE** | **HS707ME** | **Industrial Administration & Financial Management** | **-** | **-** |
| **6.** | **ECE** | **MC771EG** | **Human Values and**  **Professional ethics** | **-** | **-** |
| **1.** | **ECE** | **PC751EC** | **Practical**  **Microwave Lab** | **Sec A**  **Mr.Iftekharuddin/**  **Mrs.Prashanthi** | **Sec B**  **Dr.Ayesha Naaz**  **Mr.Iftekharuddin** |
| **2.** | **ECE** | **PC752EC** | **Electronic Design & Automation Lab** | **Mrs. Afshan Kaleem/**  **Dr. M.A.Raheem** | **Dr.M.A.Raheem/**  **Mrs.Afshan Kaleem** |
| **3.** | **ECE** | **PW761EC** | **Project Work - 1** | **Dr.Kaleem Fatima/**  **Dr.Arif Sohel/**  **Mr.J.K.Nag** | **Dr.Kaleem Fatima/**  **Dr.Arif Sohel/**  **Mr.J.K.Nag** |
| **4.** | **ECE** | **SI672EC** | **Summer Internship** | **Dr.Kaleem Fatima/**  **Dr.Arif Sohel/**  **Mr.J.K.Nag** | **Dr.Kaleem Fatima/**  **Dr.Arif Sohel/**  **Mr.J.K.Nag** |

**M.E (ECE DS) I Semester 2021-2022**

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| **Sl.No.** | **Subject** | **Core/**  **Elective** | **Faculty** |
| 1. | Microcontrollers for Embedded System Design | Core-I | Mr.J.K.Nag |
| 2. | Digital Systems Design | Core-II | Dr. Sabir Hussain |
| 3. | Wireless Mobile Communication Systems | PE-I | Mrs.Nazeerunnisa |
| 4. | Image & Video Processing | PE-II | Mr.Hakeem Aejaz Aslam |
| 5. | Research Methodology & IPR | MC | - |
| 6. | English for Research Paper Writing | Audit  Course-I | - |
| 7. | Embedded Systems Lab | Lab-I | Mr.Hakeem Aejaz Aslam |
| 8. | Seminar | - | Dr. Nazia Parveen |

**M.E (ECE DS) III Semester 2021-2022**

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| Sl.No. | Subject | Core/  Elective | Faculty |
| 1. | Speech Signal Processing | PE-IV | Mrs.Afshan Kaleem |
| 2. | Wireless Channel Coding Techniques | PE-V | Dr.Nazia Parveen |
| 3. | Major Project Phase - I | Core | Dr.Nazia Parveen  Dr.Kaleem Fatima  Dr.Ayesha Naaz |

List of Professional electives for PE-IV and PE-V to choose from:

1. Analog IC Design
2. Wireless Channel Coding Techniques
3. Global Regional Navigation Satellite System
4. Optical Fiber Communication System
5. Speech Signal Processing
6. SoC Design

**NOTE:** 1.**Open Elective – II (Fundamentals of IoT) and III (Principles of Electronic**

**Communications) is not offered by ECE Department for IV Year.**

**2. Only one PE –II (Mobile and Cellular Communications) is offered for IV**

**Year ECE.**