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

**(Service Courses) [New] Updated w.e.f.**

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| **Sl.No** | **Dept** | **Syllabus**  **Ref. No.** | **Subject** | **Faculty** | |
| **Sec-A** | **Sec-B** |
| 1 | **CSE** | ES306EC | **Theory**  Basic Electronics | Ms.Maliha Naaz | Ms.Maliha Naaz |
| 2 | **IT** | ES306EC | Basic Electronics | Mrs.Shubhangi Saxena | Mrs.Shubhangi Saxena |
| 3 | **AI&DS** | ES306EC | Basic Electronics | Dr.Nazia Parveen | - |
| 4 | **AI&ML** | ES302EC | Digital Electronics | Mr.Zakir Hussain | - |
| 5 | **MECH** | ES304EC | Basic Electronics | Mr.Muneeruddin | Mr.Muneeruddin |
| 6 | **CSE** | ES303EC | Digital Electronics | Ms.Rafath Unnisa | Ms. Rafath Unnisa |
| 7 | **IT** | ES303EC | Digital Electronics | Dr.Sabir Hussain | Dr.Sabir Hussain |
| 8 | **AI&DS** | ES303EC | Digital Electronics | Ms. Rafath Unnisa | - |
| 9 | **EEE** | PC403EC | Analog  Electronics | Mr.Zakir Hussain | - |
| 1 | **CSE** | ES351EC | **Practical**  Basic Electronics Lab | Ms.Maliha Naaz | Ms. Rafath Unnisa (4)  Ms. Maliha Naaz (2) |
| 2 | **IT** | ES351EC | Basic Electronics Lab | Mrs. Shubhangi Saxena | Mr. K.Sasidhar (4)  Mrs. Prashanthi (2) |
| 3 | **AI&DS** | ES351EC | Basic Electronics Lab | Mrs.G.S.L.B.V.Prashanthi | - |
| 4 | **EEE** | PC453EC | Analog Electronics Lab | Mr.Syed Hifazath Ali Khan | - |

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

**(NEW) w.e.f.**

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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 | Dr.Salma Fauzia | Dr.Salma Fauzia |
| 6 | ECE | PC402EC | Network Theory | Dr.Arifuddin Sohel | Dr.Arifuddin Sohel |
| 7 | ECE | PC451EC | **Practical**  ElectronicDevices and Circuits Lab | Mr.Noorullah Khan | Dr.Salma Fauzia |
| 8 | ECE | PC452EC | Electronic Workshop Lab | Dr.Sabir Hussain (4)  Dr.M.A.Raheem (2) | Mr.Muneeruddin |

**B.E. ECE V Semester (AICTE) w.e.f.**

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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 | Microprocessor and Microcontroller | Mr.Hakeem Aejaz Aslam | Dr.Kaleem Fatima |
| 3 | ECE | PC410EC | Analog Communication | Mr.Syed Hifazath Ali Khan | Mr.Syed Hifazath Ali Khan |
|  | ECE | PC411EC | Automatic Control Systems | Mr. K. Sasidhar | Mr. K. Sasidhar |
| 4 | ECE | PC412EC | Antennas and Wave Propagation | Mrs.G.S.L.B.V.Prashanthi | Mrs.G.S.L.B.V.  Prashanthi |
| 5 | ECE | HS104ME | Industrial Administration and Financial Management | - | - |
| Digital Signal Pr  7 | ECE | PC455EC | **Practical**  Microprocessor and Microcontroller Lab | Mr.Hakeem Aejaz Aslam | Mr.Zakir Hussain |
| 8 | ECE | PC456EC | Systems & Signal  Processing Lab | Mrs.B.Sucharitha | Mrs.Nazeerunnisa |
| 9 | ECE | PC701EC | Mini Project | Mr. K.Sasidhar (4)  Mrs.Shubhangi Saxena (2) | Dr.Salma Fauzia (4) Mrs. Afshan Kaleem (2) |

**B.E. ECE VII Semester (AICTE) New w.e.f.**

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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** | **OE773EC** | **Open Elective-II**  **Fundamentals of IOT** | **Mr.Md.Muneeruddin** | **-** |
| **1.** | **ECE** | **PC751EC** | **Practical**  **Microwave Lab** | **Sec A**  **Mr.Iftekharuddin** | **Sec B**  **Dr.Ayesha Naaz** |
| **2.** | **ECE** | **PC752EC** | **Electronic Design & Automation Lab** | **Mrs. Afshan Kaleem** | **Dr.M.A.Raheem** |
| **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 2022-2023 w.e.f.**

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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. | Open Elective  Waste to Energy/Industrial Safety | OE |  |
| 6. | Disaster Management | Audit  Course-I |  |
| 7. | Embedded Systems Lab | Lab-I | Mr.Hakeem Aejaz Aslam |
| 8. | Seminar | Professional core | Dr. Nazia Parveen |

**M.E (ECE DS) III Semester 2022-2023 w.e.f.**

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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 |