**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**SUBJECTS OFFERED**

**January – May, 2015**

**B. Tech. (ECE) 4th Semester**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Load Allocation** | | |
| L | T | P |
| **BTEE-402** | Linear Control Systems | 4 | 1 | - |
| **BTEC-401** | Analog Communication System | 3 | 1 | - |
| **BTEC -402** | Signal & Systems | 3 | 1 | - |
| **BTEC -403** | Electromagnetics &  Antennas | 4 | 1 | - |
| **BTEC-404** | Electronic Measurement &  Instrumentation | 3 | 1 | - |
| **BTEC-405** | Pulse Wave Shaping and  Switching | 3 | 1 | - |
| **BTEC-406** | Lab Analog Communication  Systems | - | - | 2 |
| **BTEC-404** | Lab Electronic Measurement  & Instrumentation | - | - | 2 |
| **BTEC-408** | Lab Signal & Systems  using MATLAB/Mentor  DSP | - | - | 2 |
| **General Fitness** | | | | |
| **TOTAL** | | **20** | **6** | **6** |

**B. Tech. (ECE) 6th Semester**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Load Allocation** | | |
| L | T | P |
| **BTCS-401** | Operating Systems | 3 | 1 | - |
| **BTEC-601** | Microwave & Radar  Engineering | 4 | 1 | - |
| **BTEC-602** | Wireless Communication  System | 3 | 1 | - |
| **BTEC-603** | Engineering Economics &  Industrial Management | 3 | 1 | - |
| **BTEC-604** | VLSI Design | 4 | 1 | - |
| **BTEC-904 BTEC-905**  **BTEC-907** | **Elective-I**  Digital System Design  Intellectual property rights & patent systems  Information Theory & Coding | 3 | 1 | - |
| **BTEC-605** | Lab VLSI | - | - | 2 |
| **BTEC-606** | Lab Microwave Engineering | - | - | 2 |
| **General Fitness** | | | | |
| **TOTAL** | | **20** | **6** | **4** |

**B. Tech. (ECE) 8th Semester**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Load Allocation** | | |
| L | T | P |
| **BTCS-403** | Computer Networks | 3 | 1 | - |
| **BTEC-701** | Embedded Systems | 3 | 1 | - |
| **BTEC-702** | Optical Communication | 3 | 1 | - |
| **BTEC-908 BTEC-910**  **BTEC-913** | **Elective-II**  CMOS based Design  Satellite Communication  Human Resource Management | 3 | 1 | - |
| **BTEC-918 BTEC-919**  **BTEC-920** | **Elective-III**  Operation Research  Mobile Computing  Wireless Sensor Networks | 3 | 1 | - |
| **BTEC-703** | Lab Wireless and Optical  Systems & Networks | - |  | 2 |
| **BTEC-704** | Lab Embedded Systems | - |  | 2 |
| **BTEC-705** | Major Project | - | - | 6 |
| **General Fitness** | | | | |
| **TOTAL** | | **15** | **5** | **10** |