# COURSE STRUCTURE

# AND

# DETAILED SYLLABUS

## R16

## ELECTRONIC COMMUNICATION ENGINEERING

## For

## M.TECH. TWO YEAR PG COURSE

**(Applicable for the students admitted into Academic Year 2019-20)**

**(I – II Years Syllabus)**

**RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES**

**Basar, Nirmal, Telangana - 504107**

## M.Tech in Computational Engineering (ECE) (2018-20 Batch)) Course Codes:

**Semester-1:**

| S.NO. | Course Code | Course Name | Credits |
|---|---|---|---|
| 1 | MTCE3101 | Mathematics for Communication Engineers | 4 |
| 2 | MTCE1101 | Advanced Data Structures | 4 |
| 3 | MTCE2114 | Data Mining | 4 |
| 4 | MTCE2113 | Advanced Digital Signal Processing | 4 |
| 5 | MTCE2111 | Advanced Digital Communications | 4 |
| 6 | MTCE1701 | Advanced Data Structures Lab | 2 |
| 7 | MTCE4101 | Advanced MATLAB Lab | 2 |
| **Total Credits:** | | | **24** |

**Semester-2:**

| S.NO. | Course Code | Course Name | Credits |
|---|---|---|---|
| 1 | MTCE2217 | Principles of Signal Estimation for MIMO/OFDM | 4 |
| 2 | MTCE2216 | Digital Image Processing using MATLAB | 4 |
| 3 | MTCE2218 | Advanced Wireless Communications | 4 |
| 4 | MTCE1206 | Deep Learning | 4 |
| 5 | MTCE1207 | Python | 4 |
| 6 | MTCE1806 | Python Lab | 2 |
| 7 | MTCE4201 | Research Seminar | 2 |
| **Total Credits:** | | | **24** |

**Semester-3:**

| S.NO. | Course Code | Course Name | Credits |
|---|---|---|---|
| 1 | EC6700 | Project Phase-I | 20 |
| **Total Credits:** | | | **20** |

**Semester-4:**

| S.NO. | Course Code | Course Name | Credits |
|---|---|---|---|
| 1 | EC6800 | Project Phase-II | 20 |
| **Total Credits:** | | | **20** |