## B.Tech R20::MINOR DEGREE COURSE STRUCTURE AND SYLLABI

1.Student shall earn 20 additional credits to be eligible for the award of B. Tech - Minor degree (16 credits shall be earned by undergoing specified courses listed as pools, with four courses, each carrying 4 credits, the remaining 4 credits must be acquired through two MOOCs, which shall be domain specific, each with 2 credits and with a minimum duration of 8/12 weeks as recommended by the Board of studies).

2. The student can opt any 4 subjects from each pool.

**General Track (Electronics and Communication Engineering)**

| S.No | Course Code | Course Title | Scheme of Instructions Hours per Week | | | | Scheme of Examination Maximum Marks | | |
|------|-------------|--------------|---|---|---|---|---|---|---|
| | | | L | T | P | C | I | E | Total |
| 1 | 20ECEMR1A | Analog and Digital devices | 3 | 1 | - | 4 | 30 | 70 | 100 |
| 2 | 20ECEMR1B | Communication Engineering | 3 | 1 | - | 4 | 30 | 70 | 100 |
| 3 | 20ECEMR1C | Fundamentals of Microprocessor and Microcontrollers | 3 | 1 | - | 4 | 30 | 70 | 100 |
| 4 | 20ECEMR1D | Basics of Signal and Image Processing | 3 | 1 | - | 4 | 30 | 70 | 100 |
| 5 | 20ECEMR1E | IC design Technology | 3 | 1 | - | 4 | 30 | 70 | 100 |
| 6 | 20ECEMR1F | Sensors and Instrumentation | 3 | 1 | - | 4 | 30 | 70 | 100 |

**BOS-Chairman**                                                                                     **Principal**