

I YEAR B.Tech. (4YDC)
Common To All Branches (2018-19)

Semester - A

| S. No. | Subject Category | Subject Code | Subject Name | Hours per Week | | | Credits | | Max Marks | | | | |
|--------|------------------|------------------|---|----------------|----------|----------|----------|----------|-----------|-----------|------------|-----------|------------|
| | | | | L | T | P | Th | Pr | Theory | | Practical | | Total |
| | | | | | | | | | Th. | CW | SW | Pr. | |
| 1 | BSC | MA 10001 | Mathematics - I | 3 | 1 | 0 | 4 | 0 | 70 | 30 | 0 | 0 | 100 |
| 2 | BSC | PH 10006 | Physics | 3 | 1 | 2 | 4 | 1 | 70 | 30 | 20 | 30 | 150 |
| 3 | ESC | CE 10003 | Fundamentals of Civil Engineering & Applied Mechanics | 3 | 0 | 2 | 3 | 1 | 70 | 30 | 20 | 30 | 150 |
| 4 | ESC | ME 10149 | Engineering Graphics | 2 | 0 | 4 | 2 | 2 | 70 | 30 | 40 | 60 | 200 |
| 5 | ESC | EE 10005 | Fundamentals of Electrical Engineering | 3 | 0 | 2 | 3 | 1 | 70 | 30 | 20 | 30 | 150 |
| 6 | MC | CH 10200* | Environmental Science | 0 | 1 | 2 | - | - | 0 | 0 | 100 | 0 | 100 |
| TOTAL | | | | 14 | 3 | 12 | 16 | 5 | 350 | 150 | 200 | 150 | 850 |

Induction program of 3 week duration in July-Aug 2018

Semester - B

| S. No. | Subject Category | Subject Code | Subject Name | Hours per Week | | | Credits | | Max Marks | | | | |
|--------|------------------|-----------------|---|--|----------|----------|----------|----------|-----------|-----------|------------|-----------|------------|
| | | | | L | T | P | Th | Pr | Theory | | Practical | | Total |
| | | | | | | | | | Th. | CW | SW | Pr. | |
| 1 | BSC | MA 10501 | Mathematics – II | 3 | 1 | 0 | 4 | 0 | 70 | 30 | 0 | 0 | 100 |
| 2 | BSC | CH 10506 | Chemistry | 3 | 1 | 2 | 4 | 1 | 70 | 30 | 20 | 30 | 150 |
| 3 | HSMC | HU 10651 | Technical English | 3 | 0 | 2 | 3 | 1 | 70 | 30 | 20 | 30 | 150 |
| 4 | ESC | CO 10504 | Computer Programming | 3 | 0 | 2 | 3 | 1 | 70 | 30 | 20 | 30 | 150 |
| 5 | ESC | ME 10649 | Fundamentals of Mechanical Engineering | 3 | 0 | 2 | 3 | 1 | 70 | 30 | 20 | 30 | 150 |
| 6 | ESC | IP10581 | Manufacturing Practices | 0 | 1 | 4 | 0 | 3 | 0 | 0 | 40 | 60 | 100 |
| 7 | MC | HU10700* | Universal Human Values | 2 Hrs per week working Saturday | | | | | 0 | 0 | 100 | 0 | 100 |
| TOTAL | | | | 15 | 3 | 12 | 17 | 7 | 350 | 150 | 220 | 180 | 900 |

* Mandatory Non credit course. PASS/FAIL status will appear in Marksheet

IV B.E.(4YDC) ELECTRONICS & TELECOMMUNICATIONS ENGINEERING

SEMESTER - VII

| S. No. | Sub. Code | Subject | Hours per Week | | | Th. Credit | Pr. Credit | Maximum Marks | | | | |
|---------------------|-----------|---|----------------|---|----|---------------|---------------|---------------|-----|-----|-----|-------|
| | | | L | T | P | | | Th. | CW | SW | Pr. | Total |
| 1 | EC45056 | Optical Communications | 4 | - | 2 | 3 | 1 | 70 | 30 | 40 | 60 | 200 |
| 2 | EC45005 | Data Communication & Computer Networks | 4 | - | 2 | 3 | 1 | 70 | 30 | 40 | 60 | 200 |
| 3 | EC45007 | Mobile Communication Systems | 4 | 1 | - | 4 | 0 | 70 | 30 | - | - | 100 |
| 4 | EC45008 | Microprocessors & Microcontrollers | 4 | - | 2 | 3 | 1 | 70 | 30 | 40 | 60 | 200 |
| 5 | | Elective -I | 4 | | - | 3 | 0 | 70 | 30 | - | - | 100 |
| 6 | EC45499 | Major Project Phase-I (AB group) | - | - | 4 | 0 | 2 | - | - | 40 | 60 | 100 |
| 7 | EC45999 | Major Project Phase-II (BA group) | | | 12 | | 6 | | | 40 | 60 | 100 |
| Total | | For AB Group | 20 | 1 | 10 | 16 | 5 | 350 | 150 | 160 | 240 | 900 |
| | | For BA Group | 20 | 1 | 18 | 16 | 9 | 350 | 150 | 160 | 240 | 900 |
| Optional Subject(s) | | | | | | | | | | | | |
| 8 | | Open Category-III (Audit Only) | - | - | - | - | - | - | - | - | - | - |

List of Electives For Semester VII

| Elective I | | SEMESTER VII |
|------------|----------------|---|
| S.No. | Sub. Code | Subject |
| 1 | CO | Artificial Intelligence |
| 2 | EI45223 | VLSI Technology (EI4523) |
| 3 | EC | Advanced Topics in Communication |
| 4 | EC | Performance Evaluation of Networks |
| 5 | EC | Broad Band Communication |
| 7 | BM | Digital Image Processing |
| 8 | EE45203 | Industrial & Power Electronics(EE4503) |

IV B.E.(4YDC) ELECTRONICS & TELECOMMUNICATIONS ENGINEERING

SEMESTER - VIII

| S. No. | Sub. Code | Subject | Hours per Week | | | Th. Credit | Pr. Credit | Maximum Marks | | | | |
|--------|----------------|--|----------------|---|----|---------------|---------------|---------------|----|-----|-----|-------|
| | | | L | T | P | | | Th. | CW | SW | Pr. | Total |
| 1 | | Elective -II | 4 | - | - | 3 | - | 70 | 30 | - | - | 100 |
| 2 | | Elective -III | 4 | - | 2 | 3 | 1 | 70 | 30 | 40 | 60 | 200 |
| 3 | EC45881 | Industrial Training/Internship/Seminar* | - | - | - | - | 8 | - | - | 100 | - | 100 |
| 4 | EC45999 | Major Project Phase-II (AB group) | | | 12 | | 6 | | | 40 | 60 | 100 |
| 5 | EC45499 | Major Project Phase-I (BA group) | - | - | 4 | 0 | 2 | - | - | 40 | 60 | 100 |
| | Total | For AB Group | 8 | 0 | 14 | 6 | 15 | 140 | 60 | 180 | 120 | 500 |
| | | For BA Group | 8 | 0 | 6 | 6 | 11 | 140 | 60 | 180 | 120 | 500 |

IV B.E.(4YDC) ELECTRONICS & TELECOMMUNICATIONS ENGINEERING

List of Electives

| Elective II | | SEMESTER VIII | Elective III | | SEMESTER VIII |
|-------------|----------------|---|--------------|----------------|--|
| S.No. | Sub. Code | Subject | S.No. | Sub. Code | Subject |
| 1 | EC45678 | Wireless Network(EC4578) | 1 | EC45701 | RF & Microwave Circuit Design |
| 2 | EC | Modelling and Simulation | 2 | EC | Embedded System Design |
| 3 | EC45659 | Satellite & Radar Communication Systems(EC4559) | 3 | IT45702 | Machine Learning |