

## B. Tech. Curriculum

### Engineering Physics

| Subject Name  | Subject Code | Ownership of the Course (Dept./School)    | L-T-P        | Credit    | Contact Hour |
|---|--------------|---|--------------|-----------|--------------|
| <b>SEMESTER - I</b>                                     |              |   |              |           |              |
| Calculus and Ordinary Differential Equations            | MA1L003      | Mathematics                               | 3-1-0        | 4         | 4            |
| Introduction to Bio Science and Technology              | ID2L002      | Chemistry                                 | 2-0-0        | 2         | 2            |
| Happiness and life skill                                | ID1L001      | Humanities, Social Science and Management | 1-0-0        | 1         | 1            |
| Introduction to Bharatiya Knowledge Traditions          | ID1L002      | Humanities, Social Science and Management | 2-0-0        | 2         | 2            |
| Programming in C  | CS1L002      | Computer Science Engineering              | 2-0-2        | 3         | 4            |
| Chemistry   | CY1L001      | Chemistry                                 | 3-0-0        | 3         | 3            |
| Chemistry Laboratory                                    | CY1P001      | Chemistry                                 | 0-0-3        | 2         | 3            |
| Introduction to Manufacturing Process                   | ME1P001      | Mechanical Sciences                       | 0-0-3        | 2         | 3            |
| Extra Academic Activity-1                               | ID1T001      |   | 0-0-3        | 1         | -            |
|   |              |   | <b>Total</b> | <b>20</b> | <b>22</b>    |
| <b>SEMESTER - II</b>                                    |              |   |              |           |              |
| Linear Algebra and Complex Analysis                     | MA1L004      | Mathematics                               | 3-1-0        | 4         | 4            |
| Environmental Science, Technology and Management        | ID2L003      | Earth, Ocean and Climate Science          | 2-0-0        | 2         | 2            |
| English for learning and Communication                  | HS1L011      | Humanities, Social Science and Management | 2-0-2        | 3         | 4            |
| Basic Electrical and Electronics Engineering            | EE1L002      | Electrical Engineering                    | 3-1-0        | 4         | 4            |
| Basic Electrical and Electronics Engineering Laboratory | EE1P002      | Electrical Engineering                    | 0-0-3        | 2         | 3            |
| Engineering Drawing and Graphics                        | CE1P001      | Infrastructure                            | 1-0-3        | 3         | 4            |
| Classical Mechanics and Special Relativity              | EP1L001      | Physics                                   | 3-0-0        | 3         | 3            |
| Extra Academic Activity-2                               | ID1T002      |   | 0-0-3        | 1         | -            |
|   |              |   | <b>Total</b> | <b>22</b> | <b>24</b>    |