

| <b>I YEAR I SEMESTER</b> |                 |  |          |          |          |             |            |            |
|--------------------------|-----------------|--|----------|----------|----------|-------------|------------|------------|
| <b>S.No</b>              | <b>Category</b> | <b>Subjects</b>                                    | <b>L</b> | <b>T</b> | <b>P</b> | <b>C</b>    | <b>I</b>   | <b>E</b>   |
| 1                        | BS              | Mathematics-I                                      | 3        | 0        | 0        | 3           | 30         | 70         |
| 2                        | BS              | Applied Chemistry                                  | 3        | 0        | 0        | 3           | 30         | 70         |
| 3                        | H&S             | Communicative English                              | 3        | 0        | 0        | 3           | 30         | 70         |
| 4                        | ESC             | Computational Thinking and Programming             | 3        | 0        | 0        | 3           | 30         | 70         |
| 5                        | ESC             | Elements of Electrical and Electronics Engineering | 3        | 0        | 0        | 3           | 30         | 70         |
| 6                        | BS Lab          | Applied Chemistry Lab                              | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 7                        | ESC Lab         | Computational Thinking and Programming Lab         | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 8                        | H &S Lab        | English Communication Skills Lab                   | 0        | 0        | 3        | 1.5         | 15         | 35         |
| <b>Total Credits</b>     |                 |  |          |          |          | <b>19.5</b> | <b>195</b> | <b>455</b> |
| <b>Total Marks</b>       |                 |  |          |          |          |             | <b>650</b> |            |

| <b>I YEAR II SEMESTER</b> |                 |                                     |          |          |          |             |            |            |
|---------------------------|-----------------|-------------------------------------|----------|----------|----------|-------------|------------|------------|
| <b>S.No</b>               | <b>Category</b> | <b>Subjects</b>                     | <b>L</b> | <b>T</b> | <b>P</b> | <b>C</b>    | <b>I</b>   | <b>E</b>   |
| 1                         | BS              | Mathematics –II                     | 3        | 0        | 0        | 3           | 30         | 70         |
| 2                         | BS              | Applied Physics                     | 3        | 0        | 0        | 3           | 30         | 70         |
| 3                         | ESC             | Digital Logic Design                | 3        | 0        | 0        | 3           | 30         | 70         |
| 4                         | ESC             | Programming for Problem Solving     | 3        | 0        | 0        | 3           | 30         | 70         |
| 5                         | ESC             | Computer Engineering Workshop       | 1        | 0        | 4        | 3           | 15         | 35         |
| 6                         | BS Lab          | Applied Physics Lab                 | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 7                         | ESC Lab         | Advanced Python Programming Lab     | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 8                         | ESC Lab         | Programming for Problem Solving Lab | 0        | 0        | 3        | 1.5         | 15         | 35         |
|                           |                 | Constitution of India               | 2        | 0        | 0        | 0           | 0          | 0          |
| <b>Total Credits</b>      |                 |                                     |          |          |          | <b>19.5</b> | <b>195</b> | <b>455</b> |
| <b>Total Marks</b>        |                 |                                     |          |          |          |             | <b>650</b> |            |

| <b>II YEAR I SEMESTER</b> |                 |  |          |          |          |             |            |            |
|---------------------------|-----------------|--|----------|----------|----------|-------------|------------|------------|
| <b>S.No</b>               | <b>Category</b> | <b>Subjects</b>  | <b>L</b> | <b>T</b> | <b>P</b> | <b>C</b>    | <b>I</b>   | <b>E</b>   |
| 1                         | BS / PC         | Discrete Mathematical Structures   | 3        | 0        | 0        | 3           | 30         | 70         |
| 2                         | PC              | Data Structures  | 3        | 0        | 0        | 3           | 30         | 70         |
| 3                         | PC              | Database Management Systems  | 3        | 0        | 0        | 3           | 30         | 70         |
| 4                         | ESC             | Object Oriented Programming thru Java  | 3        | 0        | 0        | 3           | 30         | 70         |
| 5                         | PC              | Computer Organization  | 3        | 0        | 0        | 3           | 30         | 70         |
| 6                         | PC Lab          | Data Structures Lab  | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 7                         | PC Lab          | Database Management Systems Lab  | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 8                         | PC Lab          | Object Oriented Programming thru Java Lab  | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 9                         | SO              | Skill Oriented Course – I<br>1) Animations – 2D Animation<br>2) Web Application Development Using Full Stack<br>– Module - I | 0        | 0        | 4        | 2           | --         | 50         |
| 10                        | MC              | Environmental Science  | 2        | 0        | 0        | 0           |            |            |
| <b>Total Credits</b>      |                 |  |          |          |          | <b>21.5</b> | <b>195</b> | <b>505</b> |
| <b>Total Marks</b>        |                 |  |          |          |          |             | <b>700</b> |            |

| <b>II YEAR II SEMESTER</b> |                 |  |          |          |          |             |            |            |
|----------------------------|-----------------|--|----------|----------|----------|-------------|------------|------------|
| <b>S.No</b>                | <b>Category</b> | <b>Subjects</b>  | <b>L</b> | <b>T</b> | <b>P</b> | <b>C</b>    | <b>I</b>   | <b>E</b>   |
| 1                          | BS              | Probability & Statistics   | 3        | 0        | 0        | 3           | 30         | 70         |
| 2                          | PC              | Fundamentals of Machine Learning   | 3        | 0        | 0        | 3           | 30         | 70         |
| 3                          | PC              | Operating Systems  | 3        | 0        | 0        | 3           | 30         | 70         |
| 4                          | PC              | Software Engineering   | 3        | 0        | 0        | 3           | 30         | 70         |
| 5                          | HS              | Universal Human Values   | 3        | 0        | 0        | 3           | 30         | 70         |
| 6                          | PC Lab          | Operating Systems Lab  | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 7                          | PC Lab          | UML Lab  | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 8                          | PC Lab          | Fundamentals of Machine Learning Lab   | 0        | 0        | 3        | 1.5         | 15         | 35         |
| 9                          | SO              | Skill Oriented Course – II<br>1) Animations – 3D Animation<br>2) Web Application Development Using Full Stack<br>– Module - II | 0        | 0        | 4        | 2           | --         | 50         |
| 10                         | MC              | Critical Reading & Creative Writing  | 2        | 0        | 0        | 0           |            |            |
| <b>Total Credits</b>       |                 |  |          |          |          | <b>21.5</b> | <b>195</b> | <b>505</b> |
| <b>Total Marks</b>         |                 |  |          |          |          |             | <b>700</b> |            |