

## SEMESTER - V ( 2024-2028)

| S. No. | Course Code  | Course Name                  | Teaching  |          |           | Credits   | Examination Scheme |           |           |            |            | Total Marks |
|--------|--------------|------------------------------|-----------|----------|-----------|-----------|--------------------|-----------|-----------|------------|------------|-------------|
|        |              |                              |           |          |           |           | Theory             |           |           | Practical  |            |             |
|        |              |                              | L         | T        | P         |           | End Sem            | Two Term  | Teachers  | End Sem    | Teachers   |             |
| 1      | BTCS501N     | Theory of Computation        | 3         | 1        | 0         | 4         | 60                 | 20        | 20        | 0          | 0          | 100         |
| 2      | BTCS510      | Machine Learning             | 3         | 1        | 2         | 5         | 60                 | 20        | 20        | 30         | 20         | 150         |
| 3      | BTCS503M     | Network Security and         | 3         | 0        | 2         | 4         | 60                 | 20        | 20        | 30         | 20         | 150         |
| 4      | BTDS         | Discipline Specific Elective | 3         | 0        | 2         | 4         | 60                 | 20        | 20        | 30         | 20         | 150         |
| 5      | BTIT507M     | Programming with Python      | 0         | 0        | 4         | 2         | 0                  | 0         | 0         | 60         | 40         | 100         |
| 6      | BTIT508M     | No Sql and MongoDB           | 0         | 0        | 2         | 1         | 0                  | 0         | 0         | 30         | 20         | 50          |
| 7      | GEMOOC II    | Generic MOOC II              | 0         | 0        | 0         | 2         | 0                  | 0         | 0         | 0          | 0          | 0           |
|        | <b>Total</b> |                              | <b>12</b> | <b>2</b> | <b>12</b> | <b>22</b> | <b>240</b>         | <b>80</b> | <b>80</b> | <b>180</b> | <b>120</b> | <b>700</b>  |

| Discipline Specific Elective III |                                            |
|----------------------------------|--------------------------------------------|
| BTDSE511M                        | Image Processing                           |
| BTDSE512N                        | Software Testing and Quality Assurance     |
| BTDSE513N                        | Next Generation Telecommunication Networks |

\*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

\*\* Teaching scheme and code is available in the basket provided by the University.

[illegible]