



# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Technology & Science, Indore

Choice Based Credit System (CBCS) Scheme

**B Tech. (Electronics and Instrumentation)**

### V - SEMESTER

| S. No. | Subject Code                             | Name of Subject             | Course Code | Teaching Scheme/week |   |    | Examination Scheme      |               |                      |                         |                      | Total Marks | CREDITS |
|--------|------------------------------------------|-----------------------------|-------------|----------------------|---|----|-------------------------|---------------|----------------------|-------------------------|----------------------|-------------|---------|
|        |                                          |                             |             | L                    | T | P  | Theory                  |               |                      | Practical               |                      |             |         |
|        |                                          |                             |             |                      |   |    | End Sem University Exam | Two Term Exam | Teachers Assessment* | End Sem University Exam | Teachers Assessment* |             |         |
| 1      | BTEI501                                  | Digital Signal Processing   |             | 3                    | 1 | 2  | 60                      | 20            | 20                   | 30                      | 20                   | 150         | 5       |
| 2      | BTEE503                                  | Control System Engineering  |             | 3                    | 1 | 2  | 60                      | 20            | 20                   | 30                      | 20                   | 150         | 5       |
| 3      | BTEC504                                  | CMOS VLSI Design            |             | 3                    | 1 | 2  | 60                      | 20            | 20                   | 30                      | 20                   | 150         | 5       |
| 4      | BTEI502                                  | Fiber Optic Instrumentation |             | 3                    | 1 | 0  | 60                      | 20            | 20                   | 0                       | 0                    | 100         | 4       |
| 5      | BTCS403<br>BTEC515<br>BTMT511<br>BTEI511 | Elective                    |             | 3                    | 1 | 2  | 60                      | 20            | 20                   | 30                      | 20                   | 150         | 5       |
| 6      | BTEI503                                  | Labview                     |             | 0                    | 0 | 2  | 0                       | 0             | 0                    | 30                      | 20                   | 50          | 1       |
| 7      | BTEI504                                  | Minor Project               |             | 0                    | 0 | 2  | 0                       | 0             | 0                    | 30                      | 20                   | 50          | 1       |
| TOTAL  |                                          |                             |             | 15                   | 5 | 12 | 300                     | 100           | 100                  | 180                     | 120                  | 800         | 26      |

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

|          |                                         |  |   |   |   |    |    |    |    |    |     |   |
|----------|-----------------------------------------|--|---|---|---|----|----|----|----|----|-----|---|
| Elective | Data Structure & Algorithms(BTCS 403)   |  | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |
|          | Data Communication (BTEC515 )           |  | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |
|          | Automation(BTMT511)                     |  | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |
|          | Instrumentation system design (BTEI511) |  | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |

*Neeple*  
Chairperson

Board of Studies

Shri Vaishnav Vidyapeeth Vishwavidyalaya  
Indore

Joint Registrar  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore