



# Shri Vaishnav Vidhyapeeth Vishwavidhyalaya, Indore

Shri Vaishnav Institute of Technology & Science, Indore

Choice Based Credit System (CBCS) Scheme

B.Tech. (Mechatronics)

Session 2018-2022

## 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      | BTMT501                                   | Applied Hydraulics and Pneumatics | 3           | 1                    | 2  | 60  | 20                      | 20            | 30                   | 20                      | 150                  | 5  |             |         |
| 2      | BTEI402                                   | Sensors and Transducers           | 3           | 1                    | 2  | 60  | 20                      | 20            | 30                   | 20                      | 150                  | 5  |             |         |
| 3      | BTEE502                                   | Power Electronics                 | 3           | 1                    | 2  | 60  | 20                      | 20            | 30                   | 20                      | 150                  | 5  |             |         |
| 4      | BTEE503                                   | Control system Engineering        | 3           | 1                    | 2  | 60  | 20                      | 20            | 30                   | 20                      | 150                  | 5  |             |         |
| 5      | BTECS403<br>BTECS15<br>BTMT511<br>BTEI511 | Elective                          | 3           | 1                    | 2  | 60  | 20                      | 20            | 30                   | 20                      | 150                  | 5  |             |         |
| 6      | BTMT503                                   | 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/Demonstration

\*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 (BTCS515)           | 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 (BTE511) | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |  |

Registrar

Vishnav Vidyaapeeth Vishwavidyalaya  
INDORE (M P)