



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Technology and Science**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**B.Tech. in Electrical and Electronics Engineering**  
**SEMESTER-V (2021-2025)**

| S. No. | COURSE CODE | COURSE NAME                       | TEACHING SCHEME/WEEK |   | CREDITS | EXAMINATION SCHEME |                               |                     |                            |                               | TOTAL MARKS |                            |
|--------|-------------|-----------------------------------|----------------------|---|---------|--------------------|-------------------------------|---------------------|----------------------------|-------------------------------|-------------|----------------------------|
|        |             |                                   | L                    | T |         | P                  | THEORY                        |                     |                            | PRACTICAL                     |             |                            |
|        |             |                                   |                      |   |         |                    | End Sem University Exam (60%) | Two Term Exam (20%) | Teachers Assessment* (20%) | End Sem University Exam (60%) |             | Teachers Assessment* (40%) |
| 1      | BTEE501     | Electrical Machines II            | 3                    | 0 | 2       | 4                  | 60                            | 20                  | 20                         | 30                            | 20          | 150                        |
| 2      | BTEE502     | Power Electronics                 | 2                    | 1 | 2       | 4                  | 60                            | 20                  | 20                         | 30                            | 20          | 150                        |
| 3      | BTEE503     | Control System Engineering        | 2                    | 1 | 2       | 4                  | 60                            | 20                  | 20                         | 30                            | 20          | 150                        |
| 4      | BTEE504     | Switchgear and Protection         | 2                    | 1 | 2       | 4                  | 60                            | 20                  | 20                         | 30                            | 20          | 150                        |
| 5      |             | Elective I                        | 3                    | 0 | 0       | 3                  | 60                            | 20                  | 20                         | 0                             | 0           | 100                        |
| 6      | BTEE505     | Minor Project                     | 0                    | 0 | 2       | 1                  | 0                             | 0                   | 0                          | 30                            | 20          | 50                         |
| 7      | BTME510     | Designing Thinking and Innovation | 2                    | 0 | 0       | 2                  | 60                            | 20                  | 20                         | 0                             | 0           | 100                        |
| 8      |             | MOOCs II                          | 2                    | 0 | 0       | 2                  | -                             | -                   | -                          | -                             | -           | 100                        |
| TOTAL  |             |                                   | 16                   | 3 | 10      | 24                 | 360                           | 120                 | 120                        | 150                           | 100         | 950                        |

**Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;**

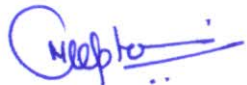
**\*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more**

**\* Students have to compulsorily opt MOOCS course of two credit from Swayam Portal**

| S. No. | Course Code | Elective I                                    |
|--------|-------------|---|
| 1      | BTEES11     | Power Quality                                 |
| 2      | BTEES12     | Reliability Engineering                       |
| 3      | BTEES14     | Introduction of IOT in Electrical Engineering |



**Chairperson**  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



**Chairperson**  
Faculty of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



**Controller of Examinations**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



**Joint Registrar**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

  
4.7.2023

**Vice Chancellor**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore