



**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 Electronics and Communication (Internet of Things)**

**SEMESTER-III (2023-2027)**

| 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%) |             |
| 4      | BTECIOT301  | Introduction to IOT and Embedded Systems   | 3                    | 0 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 1      | BTEC302     | Network Analysis and Synthesis             | 3                    | 1 | 2  | 5       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 2      | BTEC303     | Electronic Measurement and Instrumentation | 3                    | 0 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 3      | BTEC304     | Electronic Devices and Circuits            | 3                    | 0 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 5      | -           | Generic Elective I                         | 4                    | 0 | 0  | 4       | 60                            | 20                  | 20                         | 0                             | 0                          | 100         |
| 6      | BTEC307     | PCB Designing Lab                          | 0                    | 0 | 4  | 2       | 0                             | 0                   | 0                          | 30                            | 20                         | 50          |
| TOTAL  |             |                                            | 16                   | 1 | 12 | 23      | 240                           | 80                  | 80                         | 120                           | 80                         | 600         |

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 than 10 marks.

*Anjan*

*Neel*

**Chairperson**

Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

*Neel*

**Chairperson**

Faculty of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

*Dr. Jyoti*

**Controller of Examinations**

Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

*Dr. Jyoti*

**Registrar**

Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

*Dr. Jyoti*  
11.9.2019

**Vice Chancellor**

Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore