

Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (MP)

Choice Based Credit System (CBCS) Scheme

B.Tech in Robotics and Automation

VI - SEMESTER(w.e.f. Batch 2019-20)

| Sr. 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 | BTRA601 | Advanced Control Systems | | 3 | 1 | 0 | 60 | 20 | 20 | 0 | 0 | 100 | 4 |
| 2 | BTEC603 | Discrete Time Signal Processing | | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |
| 3 | BTEC714 | Embedded Systems for Robotics | | 3 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 5 |
| 4 | BTRA602 | Computer Aided Design and Manufacturing | | 2 | 1 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 4 |
| 5 | BTECIOT701/ BTRA613/ BTEC723 | Elective: 1 Real Time Operating Systems 2 Neural Networks and Fuzzy Logic 3 Advanced Microcontroller and Embedded Systems | | 3 | 0 | 2 | 60 | 20 | 20 | 30 | 20 | 150 | 4 |
| 6 | BTECIOT604 | Embedded System with Raspberry pi and Arduino | | 0 | 0 | 2 | 0 | 0 | 0 | 30 | 20 | 50 | 1 |
| 7 | BTEC507 | Programming in Python | | 0 | 0 | 2 | 0 | 0 | 0 | 30 | 20 | 50 | 1 |
| TOTAL | | | | 14 | 4 | 12 | 300 | 100 | 100 | 180 | 120 | 800 | 24 |

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

* Students are advised to take online MOOCS course of minimum two credits



**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**


**Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore**



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