# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Information Technology

## Choice Based Credit System (CBCS) Scheme in the light of NEP-2020

## B.Tech CSE (Enterprise Systems in Association with Red Hat Academy)

## SEMESTER - V (2025-2029)

| S. No. | Course Code | Course Name | Teaching | | | Credits | Examination Scheme | | | | | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Theory | | | Practical | | |
| | | | L | T | P | | End Sem University Exam (60%) | Two Term Exam (20%) | Teachers Assessment* (20%) | End Sem University Exam (60%) | Teachers Assessment* (40%) | |
| 1 | BTCS501N | Theory of Computation | 3 | 1 | 0 | 4 | 60 | 20 | 20 | 0 | 0 | 100 |
| 2 | BTCS710 | Deep Learning Foundations | 3 | 1 | 2 | 5 | 60 | 20 | 20 | 30 | 20 | 150 |
| 3 | BTCS503M | Network Security and Cryptography | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 4 | BTDSE | Discipline Specific Elective III | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 5 | BTIT411 | Java Full Stack II | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 30 | 20 | 50 |
| 6 | DO188 | Red Hat OpenShift | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 50 | 50 |
| 7 | GEMOOC II | Generic MOOC II | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 50 | 50 |
| | | | | | | | | | | | | |
| | **Total** | | **12** | **2** | **10** | **21** | **240** | **80** | **80** | **120** | **180** | **700** |

| **Discipline Specific Elective III** | |
|---|---|
| BTDSE511M | Image Processing |
| BTDSE512N | Software Testing and Quality Assurance |
| BTDSE513N | Next Generation Telecommunication Networks |

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.

** Teaching scheme and code is available in the basket provided by the University.

| Chair Person Board of Studies Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore | Chair Person Faculty of Studies Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore | Controller of Examinations Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore | Registrar Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore | Dean Academic Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore | Vice Chancellor Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore |
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