# 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 with Specializaion in Generative AI (in association with IBM )

## SEMESTER - IV ( 2026-2030)

| 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 | BTCS301N | Discrete Structures | 4 | 0 | 0 | 4 | 60 | 20 | 20 | 0 | 0 | 100 |
| 2 | BTCS401N | Data Base Management Systems | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 3 | BTCS302N | Analysis & Design of Algorithms | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 4 | BTDSE | Discipline Specific Elective II | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 5 | | Open Elective I | 4 | 0 | 0 | 3 | 60 | 20 | 20 | 0 | 0 | 100 |
| 6 | BTIT410 | Java Full Stack I | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 30 | 20 | 50 |
| 7 | GEMOOC I | GEMOOC I | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 50 | 50 |
| | | | | | | | | | | | | |
| | **Total** | | **17** | **0** | **8** | **22** | **300** | **100** | **100** | **120** | **130** | **750** |

| **Discipline Specific Elective II** | |
|---|---|
| BTIBM423 | AI Application Development Using Python, Flask and Watson Services |

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.

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