# 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 Specialization in Artificial Intelligence (in association with IBM )

## SEMESTER - VI ( 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 | BTCS611 | Compiler Design | 3 | 1 | 2 | 5 | 60 | 20 | 20 | 30 | 20 | 150 |
| 2 | BTCS602N | Object Oriented Analysis and Design | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 3 | BTCS710 | Deep Learning Foundations | 3 | 1 | 2 | 5 | 60 | 20 | 20 | 30 | 20 | 150 |
| 4 | BTDSE | Discipline Specific Elective IV | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 5 | BTIBM621 | DevOps & Agile Development | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 6 | BTCS607N | Minor Project | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 30 | 20 | 50 |
| | **Total** | | **15** | **2** | **14** | **24** | **300** | **100** | **100** | **180** | **120** | **800** |

| **Discipline Specific Elective IV** | |
|---|---|
| BTDSE620 | TinyML & Edge AI |
| BTDSE621 | Agentic AI & Multi-Agent Systems |
| BTDSE622 | Blockchain & Distributed Systems |

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 | 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 |