



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Information Technology**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**B.Tech CSE (Machine Learning & Cloud Computing in association with Google Cloud)**

**SEMESTER - VI ( 2023-2027)**

| Sr. No.   | Course Code | Course Name   | TEACHING |   |    | 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%) |             |
| 1   | BTCS601N    | Compiler Design                                       | 2        | 1 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 2   | BTCS602N    | Object Oriented Analysis and Design                   | 3        | 0 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 3   | BTMLCC631   | Application of Machine Learning Solution on Vertex AI | 3        | 0 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 4   |             | Discipline Specific Elective- IV                      | 2        | 0 | 2  | 3       | 60                            | 20                  | 20                         |                               |                            | 100         |
| 5   | BTCS708N    | Introduction to Data Science                          | 3        | 0 | 2  | 4       | 60                            | 20                  | 20                         | 30                            | 20                         | 150         |
| 7   | BTCS607N    | Minor Project   | 0        | 0 | 4  | 2       | 0                             | 0                   | 0                          | 60                            | 40                         | 100         |
| 8   | GEMOOC II   | Generic MOOC II                                       | 0        | 0 | 0  | 2       | 0                             | 0                   | 0                          | 0                             | 0                          | 0           |
|   |             |   | 13       | 1 | 14 | 23      | 300                           | 100                 | 100                        | 180                           | 120                        | 800         |
| Discipline Specific Elective- IV  |             |   |          |   |    |         |                               |                     |                            |                               |                            |             |
| 1   | BTMLCC632   | Fundamentals of Computer Vision & Machine Learning    |          |   |    |         |                               |                     |                            |                               |                            |             |
| Legends: L - Lecture : T - Tutorial/Teacher Guided Student Activity : P - Practical : |             |   |          |   |    |         |                               |                     |                            |                               |                            |             |

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.

Chairperson  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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Faculty of Studies  
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Vice Chancellor  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore