



Shri Vaishnav Vidyapeeth Vishwavidyalaya
Shri Vaishnav Institute of Computer Applications
BCA with Specialization in Big Data Analytics in Association with IBM (3 Years)
Choice Based Credit System (CBCS) (Scheme 20-21)

SEMESTER -V

| S. No. | COURSE CODE | COURSE NAME | TEACHING SCHEME/WEEK | | | 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 | BCCA502 | Operations Research | 3 | 1 | 0 | 4 | 60 | 20 | 20 | -- | -- | 100 |
| 2 | BCCA603 | Software Engineering | 3 | 1 | 0 | 4 | 60 | 20 | 20 | -- | -- | 100 |
| 3 | BTIBMC701 | Web Services | 2 | 0 | 0 | 2 | 60 | 20 | 20 | -- | -- | 100 |
| 4 | BCCA504 | IT Infrastructure Management | 3 | 1 | 0 | 4 | 60 | 20 | 20 | -- | -- | 100 |
| 5 | | Elective -I | 3 | 1 | 0 | 4 | 60 | 20 | 20 | -- | -- | 100 |
| 6 | BTIBM601 | Microservice Architecture and Implementation | 3 | 0 | 2 | 4 | 60 | 20 | 20 | 30 | 20 | 150 |
| 7 | BCCA508 | Software Engineering Lab | 0 | 0 | 4 | 2 | -- | -- | -- | 30 | 20 | 50 |
| | | | 17 | 4 | 6 | 24 | 360 | 120 | 120 | 30 | 20 | 650 |

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

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

| Elective-I | |
|------------|---|
| BCCA515 | Recent Information Technology Trends |
| BCCA525 | Information Systems for Management |
| BBAI404 | Introduction to Organizational Behavior |

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, Indore

Registrar
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore

Vice Chancellor
Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore