# Vishwakarma University (VU), Pune

## Bachelor of Business Administration – Computer Applications (BBA-CA)

## 4 Years – 8 Semesters Full Time Programme

## Effective from AY 2024 – 2025

## Programme Structure (NEP)

## Choice Based Credit System (CBCS) and Grading System

## Outcome-Based Education

### Semester-I

| Course Type | Course Name |
|---|---|
| DSC | Basics of IT & OS |
| MC | Fundamentals of Taxation |
| OE | Business Etiquettes |
| SEC | Leadership & Teamwork |
| AEC | VU Level- English |
| VEC | Happiness & Positivity |
| CC | Design Thinking |

**\* Minor Track (MC), Open Elective (OE), Skill Enhancement Course (SEC), Value Education Course (VEC) Courses can be opted from concerned department at VU level of SEM – I for various Disciplines**
**\* Minor Track shall be continue till SEM-VI**

### Semester-II

| Course Type | Course Name |
|---|---|
| DSC | Programming Basic with C & CPP Language |
| DSC | Database Management System |
| MC | Audit and compliance |
| OE | Personal Financial Planning |
| SEC | Critical Thinking |
| IKS | Indian Polity and Economics |
| VEC | Environmental Studies |
| CC | Google workspace |

**\* Open Elective (OE), Skill Enhancement Course (SEC), Courses can be opted from concerned department at VU level of SEM – II for various Disciplines**

## Semester-III

| Course Type | Course Name |
|---|---|
| DSC | Web Technology HTML-CSS |
| DSC | Java Programming |
| MC | Business intelligence for finance |
| OE | Indian Business Environment |
| SEC | Networking Skills |
| CC | Business Communication |
| CES | Community Engagement (Community Building and Education) |

**\* Open Elective (OE), Skill Enhancement Course (SEC), Courses can be opted from concerned department at VU level of SEM –III for various Disciplines**

## Semester-IV

| Course Type | Course Name |
|---|---|
| DSC | Angular JS & NODE JS |
| DSC | PHP |
| MC | Alternate investment |
| VSC | Mathematics & Statistics |
| AEC | VU Level- Modern Indian Language |
| CC | Group Discussion |
| FP | Mini Project |

## Semester-V

| Course Type | Course Name |
|---|---|
| DSC | Python |
| DSC | Cyber Security and IT Law |
| DSC | Research Methodology |
| DSE | Software Engineering |
| MC | Sustainable Finance |
| VSC | Business Information System |

## Semester-VI

| Course Type | Course Name |
|---|---|
| DSC | Software Project Management |
| DSC | Cloud Computing and Virtualization |
| DSC | Android Programming |
| DSE | Dot Net framework |
| MC | Minor Track Project |
| VSC | Dashboard Design and Reporting |

## Semester-VII (Honours Track)

| Course Type | Course Name |
|---|---|
| DSC | Block chain |
| DSC | Artificial Intelligence & ML |
| DSE | Internet of Things (IoT) |
| DSE | Recent Trends in Information Technology |
| PROJ | Major Project |

## Semester- VIII (Honours Track)

| Course Type | Course Name |
|---|---|
| DSC | Data Mining and Data Warehousing |
| DSE | Game Design & Development |
| PROJ | Major Project |
| INT | Internship |

## Semester-VII (Research Track)

| Course Type | Course Name |
|---|---|
| DSC | IPR and Innovation Management |
| DSC | Research Seminar |
| DSE | Quantitative Research using tolls like SPSS/Advance Excel/Amos |
| DSE | Qualitative Research using tools like Nvivo /MaxQDA |
| PROJ | Research Project-1 |

## Semester- VIII (Research Track)

| Course Type | Course Name |
|---|---|
| DSC | Entrepreneurship Development |
| DSE | Research Publication |
| INT | Research Internship |
| PROJ | Research Project-2 |