# JSPM UNIVERSITY PUNE
## Faculty of Science and Technology (FST)
## School of Basic and Applied Sciences
## Course Structure: Bachelor of Computer Applications (BCA)

## Semester – I
## Level 4.5

| Sr. No. | Course Type | Course Code | Course Name | Teaching Scheme (Hrs. per week) | | | | Examination and Marking Scheme | | | Credits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | EL | TH | PR | OR | |
| 01 | BSC | 230GMAB02_01 | Discrete Mathematics | 2 | 1 | - | - | 100 | - | - | 3 |
| 2 | BSC | 230GCAB01_01 | Computer Fundamentals | 3 | - | - | 2 | 100 | - | - | 3.5 |
| 03 | PCC | 230GETB02_01 | Digital Logic and Computer Organization | 3 | - | - | - | 100 | - | - | 3 |
| 04 | MMC | 230UEEB01_01 | Economics | 2 | - | - | - | 100 | - | - | 2 |
| 05 | SEC | 230GCAB02_01 | C Programming | 2 | - | 2 | - | - | 50 | 50 | 3 |
| 06 | IKS (HSMC) | 230UHIB01_01 | States in Ancient India | 2 | - | - | - | 50 | - | - | 2 |
| 07 | VEC/EEC (HSMC) | 230GCEB02_01 | Environment and Sustainability | 2 | - | - | - | 50 | - | - | 2 |
| 8 | LC | 230GCAB03_01 | Logic Design and Computer Workshop | - | - | 4 | - | - | 50 | 50 | 2 |
| 09 | LLC | 230UPYB01_01 | Yoga and Fitness | - | - | 2 | 2 | - | - | 50 | 1.5 |
| **Total Academic Engagement and Credits** | | | | 16 | 1 | 8 | 4 | 500 | 100 | 150 | 22 |
| | | | | 25 | | | | 750 | | | |

Dr. A. S. Deshpande
Academic Coordinator
FST

Dr. R. S. Deshpande
Dean
FST

Dr. B. B. Ahuja
Vice Chancellor
JSPM University Pune
Vice Chancellor
JSPM University
Pune

# JSPM UNIVERSITY PUNE
## Faculty of Science and Technology (FST)
## School of Basic and Applied Sciences
## Course Structure: Bachelor of Computer Applications (BCA)

## Semester – II
## Level 4.5

| Sr. No. | Course Type | Course Code | Course Name | Teaching Scheme (Hrs. per week) | | | | Examination and Marking Scheme | | | Credits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | L | T | P | EL | TH | PR | OR | |
| 01 | BSC | 230GCAB04_02 | Computer Architecture | 2 | - | - | - | 50 | - | - | 2 |
| 02 | BSC | 230GMAB03_02 | Linear Algebra | 2 | 1 | - | - | 100 | - | - | 3 |
| 03 | PCC | 230GSCB02_02 | Database Management System | 2 | - | - | - | 100 | - | - | 2 |
| 04 | PCC | 230GCAB05_02 | Operating System | 2 | - | - | - | 50 | - | - | 2 |
| 05 | MMC | 230VBBB03_02 | Essentials of Human Resource Management | 2 | - | - | - | 100 | - | - | 2 |
| 06 | SEC | 230GCAB06_02 | Programming with C++ | 2 | - | 2 | - | - | 50 | 50 | 3 |
| 07 | VSC | 230IDCB01_02 | Design Thinking and Creativity | 1 | - | - | 2 | - | - | 50 | 1.5 |
| 08 | AEC (HSMC) | 230UENB01_02 | Effective Communication Skills | 1 | - | 2 | - | 50 | - | - | 2 |
| 09 | LC | 230GSCB04_02 | Data Base Management System Lab | - | - | 2 | - | - | 50 | - | 1 |
| 10 | LLC | 230UPYB02_02 | Mindfulness and Wellbeing | 1 | - | - | 2 | - | - | 50 | 1.5 |
| 11 | IITP/ FP/ CEP | 230GCAB07_02 | Internship / Field Project / Community Engagement Programme | 4 to 6 weeks | | | | - | - | 50 | 2 |
| **Total Academic Engagement and Credits** | | | | 15 | 1 | 6 | 4 | 450 | 100 | 200 | 22 |
| | | | | 22 | | | | 750 | | | |

**Note:**

A **Certificate** will be awarded if a student exits after first year.

For Exit at the end of first year    the student must complete: (Total credits = 8)

a) An internship / OJT of 8 - 10 weeks (4 credits)

b) Additional Course 1 (4 credits)   (Course offered will be Vocational Skill Course (VSC)  or Skill Enhancement Course (SEC))

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