



Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous) Ganeshkhind, Pune – 16
Course Structure for F.Y.B.B.A (Computer Application) NEP 2

Name of the Board: Department of BBA(Computer Application)

Level:- 1.0 (First Year)

SEMESTER I

| Class | Sem | Course Type | Course Code | Course Name | Theory/ Practical | No.of Credits | No.of Hours | Total Marks | CIE Marks | ESE Marks |
|-------------------------------------|----------|-------------|-------------|--|-------------------|---------------|-------------|-------------|-----------|-----------|
| B.B.A (Computer Application) | I | DSC 1 | 24BBA11101 | Introduction to Python Programming (2T) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | 24BBA11102 | Computer Laboratory Based on Python Programming (2P) | Practical | 2 | 4 | 50 | - | 50 |
| | | DSC 2 | 24BBA11103 | Database Management System(2T) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | 24BBA11104 | Computer Laboratory Based on DBMS (2P) | Practical | 2 | 4 | 50 | - | 50 |
| | | DSC 3 | 24BBA11105 | Business Communication (T) | Theory | 4 | 4 | 100 | 40 | 60 |
| | | OE1 | 24PSY11303 | Life Skills (T) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | SEC1 | 24BBA11406 | Design Thinking | Theory | 2 | 2 | 50 | 20 | 30 |
| | | AEC1 | 24ENG11506 | Developing Communicative Competence in English | Theory | 2 | 2 | 50 | 20 | 30 |
| | | VEC1 | 24VEC11501 | Value Education (T): Environmental Sustainability Principles & Values | Theory | 2 | 2 | 50 | 20 | 30 |
| | | IKS Gen | 24IKS11501 | Foundation Course on Indian knowledge system I | Theory | 2 | 2 | 50 | 20 | 30 |



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SEMESTER II

| Class | Se m | Course Type | Course Code | Course Name | Theory/ Practical | No.of Credits | No.of Hours | Total Marks | CIE Marks | ESE Marks |
|--|-----------|----------------|----------------|--|----------------------|------------------|----------------|----------------|--------------|--------------|
| B.B.A (Computer Applicatio n) | II | DSC 1 | 24BBA1 2101 | Advanced Python Programming (2T) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | 24BBA1 2102 | Computer Laboratory Based on Advanced Python Programming(2P) | Practical | 2 | 4 | 50 | - | 50 |
| | | DSC 2 | 24BBA1 2103 | Relational Database Management System(2T) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | 24BBA1 2104 | Computer Laboratory Based on RDBMS(2P) | Practical | 2 | 4 | 50 | - | 50 |
| | | DSC 3 | 24BBA1 2105 | Entrepreneurship Essentials(T) | Theory | 4 | 4 | 100 | 40 | 60 |
| | | OE2 | 24ZOO1 2303 | Public Health and Hygiene (T) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | SEC2 | 24BBA1 2406 | Web Technologies | Theory | 2 | 2 | 50 | 20 | 30 |
| | | AEC2 | 24ENG1 2506 | Mastering English for Professional Purposes | Theory | 2 | 2 | 50 | 20 | 30 |
| | | VEC2 | 24VEC1 2502 | Democracy Election and Governance(T): India's Constitution, Democracy, Election & Governance | Theory | 2 | 2 | 50 | 20 | 30 |
| | | CC2 | - | CC1 from College Basket | Practical | 2 | 2 | 50 | 20 | 30 |



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Second Year

SEMESTER III

| Class | Se m | Course Type | Course Code | Course Name | Theory/ Practical | No.of Credits | No.of Hours | Total Marks | CIE Marks | ESE Marks | |
|-------------------------|---------|----------------|----------------|---|--|------------------|----------------|----------------|--------------|--------------|----|
| S.Y.BBA (CA) | III | Major 1 | 24BBA 23101 | Object oriented concept using C++ | Theory | 2 | 2 | 50 | 20 | 30 | |
| | | Major 2 | 24BBA 23102 | Big Data Analytics | Theory | 2 | 2 | 50 | 20 | 30 | |
| | | Major 3 | 24BBA 23103 | Computer Laboratory Based on 24 BBA23101 & 24 BBA23102 | Practical | 2 | 4 | 50 | - | 50 | |
| | | | IKS | 24BBA 23504 | Vedic Maths | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | Minor | 24BBA BA2320 5 (A) | Computerized Accounting(Tally) | Theory | 4 | 4 | 100 | 40 | 60 |
| | | | | | OR | | | | | | |
| | | | Minor | 24BBA 23205 (B) | International Economics and Business | Theory | 4 | 4 | 100 | 40 | 60 |
| | | | OE1 / OE2 | - | Weather Studies | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | FP | 24BBA 23606 | Field project | Project | 2 | 2 | 50 | - | 50 |
| | | | VEC/ vsc | 24BBA 23507 | JavaScript Programming | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | AEC | - | Hindi / Marathi | Theory | 2 | 2 | 50 | 20 | 30 |
| | | | CC | - | NSS / NCC / Sports | Practical | 2 | 2 | 50 | 20 | 30 |



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SEMESTER IV

| Class | Se m | Course Type | Course Code | Course Name | Theory/ Practical | No.of Credits | No.of Hours | Total Marks | CIE Marks | ESE Marks |
|-----------------|---------|----------------|-----------------------|--|----------------------|------------------|----------------|----------------|--------------|--------------|
| S.Y.BBA (CA) | IV | Major 1 | 24BBA 24101 | Data Structure using C++ | Theory | 2 | 2 | 50 | 20 | 30 |
| | | Major 2 | 24BBA 24102 | NodeJS | Theory | 2 | 2 | 50 | 20 | 30 |
| | | Major 3 | 24BBA 24103 | Computer Laboratory Based on 24 BBA24101 & 24 BBA24102 | Practical | 2 | 4 | 50 | - | 50 |
| | | Minor | 24BBA 24204 (A) | Introduction to Taxation | Theory | 4 | 4 | 100 | 40 | 60 |
| | | | | OR | | | | | | |
| | | Minor | 24BBA 24204 (B) | International Treads and Business | Theory | 4 | 4 | 100 | 40 | 60 |
| | | OE1 / OE2 | - | Mental health and Self Care | Theory | 2 | 2 | 50 | 20 | 30 |
| | | CEP | 24BBA 24605 | CEP | Project | 2 | 2 | 50 | - | 50 |
| | | VSC | 24BBA 24406 | Computer Network | Theory | 2 | 2 | 50 | 20 | 30 |
| | | SEC | 24BBA 24407 | Digital Marketing | Theory | 2 | 2 | 50 | 20 | 30 |
| | | AEC | - | Hindi /Marathi | Theory | 2 | 2 | 50 | 20 | 30 |
| | | CC | - | NSS / NCC / Sports | Practical | 2 | 2 | 50 | 20 | 30 |



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THIRD YEAR

SEMESTER V

| Class | Se m | Course Type | Course Code | Course Name | Theory/ Practical | No.of Credits | No.of Hours | Total Marks | CIE Marks | ESE Marks |
|-----------------|---------|---------------------|-----------------------|---|----------------------|------------------|----------------|----------------|--------------|--------------|
| T.Y.BBA (CA) | V | Major 1 | 24BBA 35101 | Java Programming | Theory | 4 | 4 | 100 | 40 | 60 |
| | | Major 2 | 24BBA 35102 | Introduction to Power BI | Theory | 4 | 4 | 100 | 40 | 60 |
| | | Maj or3 | 24BBA 35103 | Computer Laboratory Based on 24BBA35101& 24BBA35102 | Practical | 2 | 4 | 50 | - | 50 |
| | | DSE Elect ive | 24BBA 35105 | Software Engineering | Theory | 4 | 4 | 100 | 40 | 60 |
| | | Minor | 24BBA 35205 (A) | Startup Management | Theory | 4 | 4 | 100 | 40 | 60 |
| | | | | OR | | | | | | |
| | | Minor | 24BBA 35205 (B) | International Monitory system and Exchange rate | Theory | 4 | 4 | 100 | 40 | 60 |
| | | VSC | 24BBA 35507 | Internet of Things(IoT) | Theory | 2 | 2 | 50 | 20 | 30 |
| | | FP | 24BBA 35606 | FP/CEP | Project | 2 | 2 | 50 | - | 50 |



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SEMESTER VI

| Class | Se m | Course Type | Course Code | Course Name | Theory/ Practical | No.of Credits | No.of Hours | Total Marks | CIE Marks | ESE Marks |
|-----------------|---------|---------------------|-----------------------|---|----------------------|------------------|----------------|----------------|--------------|--------------|
| T.Y.BBA (CA) | VI | Major 1 | 24BBA 36101 | Advanced Java | Theory | 4 | 4 | 100 | 40 | 60 |
| | | Major 2 | 24BBA 36102 | PHP | Theory | 4 | 4 | 100 | 40 | 60 |
| | | Major 3 | 24BBA 36103 | Computer Laboratory Based On 24BBA36101& 24BBA36102 | Practical | 2 | 4 | 50 | - | 50 |
| | | DSE Electiv e | 24BBA 35105 | Software Testing | Theory | 4 | 4 | 100 | 40 | 60 |
| | | Minor | 24BBA 36205 (A) | Computerized Accounting(Tally) | Theory | 4 | 4 | 100 | 40 | 60 |
| | | | | OR | | | | | | |
| | | Minor | 24BBA 36205 (B) | International Financial Institutions | Theory | 4 | 4 | 100 | 40 | 60 |
| | | OJT | 24BBA 36605 | OJT | Project | 4 | 4 | 100 | - | 100 |