B.Com. (INFORMATION TECHNOLOGY)

Programme and Credit Structure as per National Education Policy (NEP) 2020.

(As per Government of Maharashtra Letter No - क्र.एनईपी - २०२२ / प्र. क्र. ०९ / विशी-३ शिकाना दिनांक १३ मार्च २०२४)

The degree shall be titled as

BACHELOR OF COMMERCE (INFORMATION TECHNOLOGY)

Under the faculty of Commerce.

With effect from June – 2024

B. Com. INFORMATION TECHNOLOGY (Certificate in Commerce (IT) Sem. I & II from Academic Year 2024-25

B. Com. INFORMATION TECHNOLOGY (Diploma in Commerce (IT)Sem. III & IV from Academic Year 2025-26

B. Com. INFORMATION TECHNOLOGY (Bachelor in Commerce (IT) Sem. V & VI from Academic Year 2026-27

B. Com. INFORMATION TECHNOLOGY(Bachelor in Commerce IT with Honors) Sem. VII & VIII from Academic Year 2027-28

---

1) **Introduction:**

Bachelor of Commerce-IT (4 years) program / degree is a specialized program in Commerce. It builds the student on studies in applied use of computers and to become competent in the current race and development of new computational era. Intake for one batch is not more than 80 students.

2) **Objective:**

Bachelor of Commerce-IT offers the prequalification for professionals heading for smart career in the IT field, which measures up to international standards. On completing this course one can do higher studies such as M.Com, MBA, MCA etc., in any UGC recognized universities or in any other reputed institution in India or abroad.

Programme Specific Outcomes (PSO):

PSO1: Impart advanced learning to students in the discipline of Commerce, specifically with the application of software technology for professional requirements, merging the academic domains of Commerce and Computer Applications

PSO2: To impart central knowledge and skills to the students in emerging areas of commerce like accounting, auditing, finance, marketing, HR, company laws, taxation etc with computing skills for effective domain enrichment

PSO3: To groom students with desired competence in commerce education and research with computing leverage.

PSO4: To strengthen theoretical and applied aspects of commerce for preparing the students for higher education and research.

PSO5: To equip the students with necessary skill sets pertaining to computing principles, software technologies and business practices in software solutions essential for gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

PSO6: To impart demonstrate able knowledge, skills and values in order to support students' eventual progression to higher learning and gainful career with resilient value system.

Programme Outcomes (PO)

The Commerce graduates should be able to:

PO1: Apply the knowledge of commerce and computers to obtain constructive solutions to complex business & management problems.

PO2: Understand the concepts of key areas in computer science and apply latest technologies to solve problems in the areas of computer applications in business and commerce

PO3: Design solutions for Socio-economic, commerce and business problems and plan case study, processes to meet the specifications with consideration for sustainable development.

PO4: Use modern computing models and tools to conduct investigations of complex economic, business and management problems including analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Understand digital ethics - what can be made possible by digital technology and what is ethically desirable, in order to be successful leaders in the business world 2

PO6: Use digital edge in order to function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings, communicate effectively with the business community & IT professionals and with society at large.

PO7: Demonstrate knowledge and understanding of Commerce, Management & Software engineering principles and apply these to one's own work, as a member and leader in a team.

PO8: Recognize the need for and have the preparation and ability to engage in independent and life – long learning in the broadest context of technological change

3) **Eligibility:** A candidate for being eligible for admission to the Degree Course in Commerce (Information Technology) Administration shall have passed XII Std. Examination with minimum qualifying marks for the candidates from all the categories will be 45% of the Maharashtra Board of Higher Secondary Education or its equivalent or any Diploma or MCVC of not less than two years. Medium of Instruction: The medium of instructions shall be in English

4) **Eligibility of the Core Faculty:**

   Assistant Professor:
   1) Master of Computer Application With NET/SET/Ph.D/Equivalent
   2) Master in Computer Management With NET/SET/Ph.D/Equivalent
   3) Master in Computer Science With NET/SET/Ph.D/Equivalent

4) Master In Commerce (Information Technology) With NET/SET/Ph.D/Equivalent

5) M. Sc (Computer) With NET/SET/Ph.D/Equivalent

5) **Standard of Passing:**

   ➢ A candidate must obtain minimum 40% of the marks in each University, internal examination paper, lab course as well as major project.

   ➢ There shall be a separate head of passing in Theory, Internal, Lab Course and Project examination. However, ATKT rules shall be made applicable in respectof theory and lab courses (University Examination) only.

   ➢ A candidate who fails in any number of subjects during semester I &II shalladmitted to B.Com(IT)-II (appear for semester –III & Semester IV examination).

   ➢ However the candidate shall not be admitted to B.Com(IT)- III (Semester-V) unless student passed in all the subjects at B. Com(IT)-I (Semester-I &Semester-II).

   ➢ A candidate who fails in any number of subjects during Semester-III & IV shall be admitted for B. Com(IT).-III & allowed to appear for Semester-V & VI examinations.

   ➢ Scheme of Examination and Standard of Passing: Semester End Exam: 80 Marks (Min 32 Marks for Passing)

   ➢ Continuous Comprehensive Evaluation: 20 Marks (Min 8 Marks for Passing) Total Marks :100 Marks

   ➢ Minimum 40% Marks Required for Passing and there is separate head of Passing for Semester End Exam and Continuous Comprehensive Evaluation

6) **Re-entry or Lateral Entry:** Students, opting for exits at any level, will have the option to re-enter the programme from where they had left off, in the same or in a different higher education institution within three years of exit and complete the degree programme within the stipulated maximum period of seven years from the date of admission to first year UG. Re-entry at various levels for lateral entrants in academic programmes shall be based on the earned and valid credits as-deposited and accumulated in the Academic Bank of Credits (ABC) through Registered Higher Education Institutions (RHEI) and proficiency test records. Lateral entry into the programme of study leading to the UG Diploma/ Three year UG Degree/ four-year Bachelor's Degree with Honors will be based on the validation of prior learning outcomes achieved and subject to availability based on intake capacity.

Credit Framework under Three/Four-Years UG Programme with Multiple Entry and Multiple Exit options							
Sr	Semester	Year	Year	Credits	Level	Max Exit Points	Award
1	Sem. I & II	2022-23	1 Year	44	**4.5**	44	**UG Certificate in Information Technology**
2	Sem. III & IV	2023-24	2 Year	44	**5.0**	88	**U. G. Diploma in Information Technology**
3	Sem. V & VI	2024-25	3 Year	42	**5.5**	132	**Bachelor of Commerce in Information Technology**
Minimum Total Credit Requirement Bachelor of Commerce(Information Technology) 132							
4	Sem. VII & VIII	2025-26	4 Year	40	**6.0**	172	**Bachelor of Commerce in Information Technology With Honors**
Minimum Total Credit Requirement Bachelor of Commerce (Information Technology) Hon. 176							

A) Credit Distribution Structure for Three Year Bachelor's Programme

Sr. No	Courses	Credits	Total	Percentage
1	Major	56	**80**	**60.61**
2	VSC	8		
3	IKS	2		
4	FP	2		
5	Electives	8		
6	OJT	4		
7	AEC	8		**6.06**
8	Minor	14		**10.61**
9	OE	12		**9.09**
10	SEC	6		**4.55**
11	VEC	4		**3.03**
12	CC	4		**3.03**
13	CEP	4		**3.03**
Total		**132**		**100.00**

B) Credit Distribution Structure for Four Year Bachelor's Programme

Sr. No	Courses	Credits	Total	Percentage
1	Major	80	116	67.44
2	VSC	8		
3	IKS	2		
4	FP	2		
5	Electives	16		
6	OJT	8		
7	Minor	8		4.65
8	OE	14		8.14
9	SEC	12		6.98
10	VEC	6		3.49
11	AEC	4		2.33
12	CC	4		2.33
13	CEP	4		2.33
14	RM	4		2.33
Total		**172**		**100.00**

B.Com (Information Technology)
Programme Structure

		B. COM (IT)-I Semester-I	
Sr.	**Comp.**	**Course (Subject)**	**Cr**
1	Major	Information Technology (Fundamentals of IT) P-I	4
2	Major	Information Technology (Database Management System) P-II	4
3	OE	Reasoning Ability / Economics / Principles of Management P-I	4
4	VSC	Lab Course (DBMS)	2
5	SEC	Financial Accounting Skills P-I	2
6	AEC	Business Communication P -I	2
7	VEC	Environmental Science	2
8	IKS	Ancient Indian Technology	2
		Total	**22**

		B. COM (IT)-I Semester-II	
Sr.	**Comp.**	**Course (Subject)**	**Cr.**
1	Major	Information Technology (Introduction to Programming Using C) P-III	4
2	Major	Information Technology (Web Technology) P-IV	4
3	Minor	Service Marketing / Business Ethics	2
4	OE	Reasoning Ability / Economics / Principles of Management P-II	4
5	VSC	Lab Course (C Programming)	2
6	SEC	Financial Accounting Skills P-II	2
7	AEC	Business Communication P –II	2
8	VEC	Democracy Good Governance & Constitution of India	2
	Total		**22**
Exit option: **Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor**			

**B. COM (IT)-II Semester-III**			
Sr.	**Comp.**	**Course (Subject)**	**Cr.**
1	Major	Information Technology (E-Commerce) P-V	4
2	Major	Information Technology (Tally ERP) P-VI	4
3	Minor	Statistical Methods	4
4	OE	Macro Economics / Mathematics / Fundamental of Entrepreneurship - P – I	2
5	VSC	Lab Course	2
6	AEC	Business Communication P -III	2
7	FP	Field Project	2
8	CC	NSS/NCC/ Physical Education	2
**Total**			**22**

**B. COM (IT)-II Semester-IV**			
Sr.	**Comp.**	**Course (Subject)**	**Cr.**
1	Major	Information Technology P-VII (RDBMS)	4
2	Major	Information Technology P- VIII (Object Oriented Programming Using C++)	4
3	Minor	Human Resource Management	4
4	OE	Macro Economics / Mathematics / Fundamental of Entrepreneurship - P – II	2
5	SEC	Lab Course	2
6	AEC	Business Communication P -IV	2
7	CEP	Awareness Campaign about Hacking and Phishing	2
8	CC	NSS/NCC/ Physical Education	2
**Total**			**22**

Exit Option:- Award of UG Diploma in Major and Minor with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor

B. COM (IT)-III Semester-V			
Sr. No.	**Comp.**	**Course(Subject)**	**Cr.**
1	Major	Information Technology P- IX (Software Engineering)	4
2	Major	Information Technology P- X (ERP)	4
3	Major	Information Technology P- XI (Application Development Tools)	4
4	Electives	Indian Economy/ Modern Management Practices	4
5	Minor	Data Analysis and Interpretation- P-I	2
6	VSC	Lab Course	2
7	CEP	Cyber Security Awareness Campaign	2
Total			**22**

B. COM (IT)-III Semester-VI			
Sr. No.	**Comp.**	**Course(Subject)**	**Cr.**
1	Major	Information Technology P- XII (Introduction to SAP)	4
2	Major	Information Technology P- XIII (Introduction to Data Warehouse & Data Mining)	4
3	Major	Information Technology P- XIV (PHP)	4
4	Electives	Public Finance / Lean and Talent Management	4
5	Minor	Data Analysis and Interpretation- P-II	2
6	OJT	On the Job Training (Internship)	4
Total			**22**
➤ **Award of UG Degree in Major with 132 credits OR Continue with Major and Minor**			

B. COM (Honors) (Information Technology)

		B. COM (IT)-III Semester-VII		
Sr.	**Compo.**	**Course(Subject)**		**Cr.**
1	Major	Information Technology (Computer Networks) P- I		4
2	Major	Information Technology (Java) P- II		4
3	Major	Information Technology (Python) P- III		4
4	Elective	Managerial Economics/ Organizational Behavior –P -I		4
5	RM	Research Methodology		4
		Total		**20**

		B. COM (IT)-III (Hon.) Semester-VIII		
Sr.	**Compo.**	**Course(Subject)**		**Cr.**
1	Major	Information Technology (Software Testing) P- IV		4
2	Major	Information Technology (IoT) P-V		4
3	Major	Information Technology (Cyber Security) P- VI		4
5	Elective	Managerial Economics / Organizational Behavior –P -II		4
6	OJT	OJT		4
		Total		**20**
➤ **Four Year UG Honours Degree in Major and Minor with 172 credits.**				

Chairman   Secretary   Chairman
BoS in Information Technology   Academic Council   Academic Council