



Nagpur Shikshan Mandal's

SHRI BINZANI CITY COLLEGE

**(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur)**

BOARD OF STUDIES IN COMMERCE AND MANAGEMENT

B.COM

**CURRICULUM FRAMEWORK FOR THREE / FOUR YEARS
GRADUATE PROGRAM IN "COMPUTER APPLICATION"**

(As per NEP 2020)

(Effective from Academic Year 2024-25)

(As Approved by the Board of Studies on 16/01/2025)



COMPUTER APPLICATION

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials in blue ink at the bottom left of the page.



SEMESTER I

Computer Application (Semester I)				Teaching Scheme / Total Hours Per Week			Examination Scheme							
Sr.No	(UG Certificate in Commerce)	Course Type	Course Code	Theory	Practical	Total	Max. Marks (SEE Theory)	Min. Mark (SEE Theory)	Max. Marks (SEE Practical)	Min. Marks (SEE Practical)	Max. Marks (CIE)	Min. Mark (CIE)	Total	Min. Marks
1	Principles of Business Management	Major	BCOM1CAM1	4	-	4	60	24	-	-	40	16	100	40
2	Foundation of Financial Accounting	Minor	BCOM1CAMI1A	3	-	3	60	24	-	-	40	16	100	40
	School of Management Thoughts		BCOM1CAMI1B											
3	Computer Application for Business	VSC	BCOM1CAVSC1	1	2	3	60	30	40	20	-	-	100	50
4	Startup Support Executive	SEC	BCOM1CASEC1	1	2	3	40	20	40	20	20	10	100	50
5	English	AEC	BCOM1CAAEC1	1	2	3	60	24	-	-	40	16	100	40
6	Elements of Business Environment	OE	BCOM1CAOE1A	2	-	2	60	24	-	-	40	16	100	40
	Life Skills for Success		BCOM1CAOE1B											
7	Environmental Studies	VEC	BCOM1CAVEC1	2	-	2	60	24	-	-	40	16	100	40
8	Indian Economics and Business Model	IKS	BCOM1CAIKS	2	-	2	60	24	-	-	40	16	100	40
9	NCC / NSS / Sports / Cultural / LLL	CC	BCOM1CACCI1	-	4	4	-	-	-	-	100	50	100	50
Total				16	10	26	460	194	80	40	360	156	900	390

Minimum Passing Marks for theory 40% i.e. 40 & Minimum Passing Marks for Practical 50% i.e. 50
Course Type: Major, Minor, VSC, SEC, VEC, IKS, AEC, OJT/RP/CEP/Internship, OE.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAM1)
Semester I (Major - Principles of Business Management)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

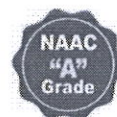
Shankar

Shankar

Shankar



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAM1
Course Name	Principles of Business Management
No. of Credits	04
Teaching Hours	60
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Major
Pre-requisites for the course	• Understand the basic meaning of Management • Aware about basic word used in Management
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Identify different functions of management and management thoughts for a manager.
CO 2	Differentiate between Management and Administration.
CO 3	Outline plans for various activities.
CO 4	Develop competency of decision making while working in a group.
CO 5	Apply various management principles in day-today life.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Introduction -Nature, function, definition and importance of management, Definition, nature, purpose and scope of management, Functions of a manager, is management a science or art? Development of Management Thought -Scientific management; Contribution of Taylor, Fayol, Mary Follet, Elton Mayo; Hawthorne experiments, Contingency approach.
Unit II	Management and Administration -Management and administration, Management as a profession, Professionalism of management in India, Management ethics and management culture, Skills required of manager, Classification of skills, Methods of skills development.
Unit III	Management Planning - Concept of planning, objectives, Nature, Types of plan, Stages involved in planning, Characteristics of a good plan, Importance, Limitations of planning, Making planning effective, Strategic planning in Indian Industry.
Unit IV	Decision Making - Concept, characteristics of decisions, Types of decisions, Steps Involved in decision making, Importance of decision making, Methods of decision making, Committee Decision Making. Organization -Concepts, Principle of organization, Importance, Features of good organization structure, Types of Organization structure.
Textbooks / Reference Books:	1. Essential of Business Administration - K. Aswathapa Himalaya Publishing House 2. Management:- Concept and Strategies By J. S. Chandan, Vikas Publishing 3. Principles of Management, By Tripathi, Reddy Tata McGraw Hill



4. Principles of Management By Ramasamy T, Himalaya Publishing House
5. Principles of Management, Dr. Neeru Vashisht & Dr. Namita Rajput, Taxman

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1 (carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1 (carry 5 marks) Assignment 2 (carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAMI1A)
Semester I (Minor – Foundation of Financial Accounting)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAMI1A
Course Name	Foundation of Financial Accounting
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Explain the meaning, scope, objectives, concepts, conventions, and branches of accounting and describe the role of accounting across business verticals.
CO 2	Apply accounting rules to record business transactions through journal entries, subsidiary books, ledger posting, and rectify errors.
CO 3	Prepare trial balance and final accounts of a sole proprietor including simple adjustment entries.
CO 4	Interpret basic accounting standards (AS 1, AS 9, and AS 10) and explain the application of IFRS, IAS-1, and IAS-2 in financial reporting.
CO5	Analyze how accounting principles support decision-making in different business sectors and evaluate the quality of financial statements.
Syllabus:	Contents
Unit I (11 Hours)	Book-Keeping and Accounting: Meaning, Definition & Scope of Accounting, Branches of Accounting; Objectives of Accounting, Accounting Principles: Introductions to Concepts and Conventions; Interaction of accounting with different business verticals.
Unit II (11 Hours)	Accounting Transactions: Accounting Cycle, Rules, Journal Entries, Ledger Posting. Subsidiary Books (Purchase, Purchase Returns, Sales, Sales Returns & Cash Book – Single & Double Column), Journal Proper, Rectification of Errors
Unit III (11 Hours)	Introduction and Preparation of Trial Balance; Introduction to Final Accounts of a Sole Proprietor (Simple Adjustments): Preparation of Trading Account, Profit and Loss Account and Balance Sheet.
Unit IV (12 Hours)	Introduction to Accounting Standards: (Meaning and Scope), AS 1: Disclosure to Accounting Policies, AS 9: Revenue Recognition., AS 10: Accounting for Fixed Assets, Introduction to IFRS, IAS-1: Presentation of Financial Statements (Introductory Knowledge), IAS-2: Inventories (Introductory Knowledge).
Textbooks / Reference Books:	Textbooks 1. T.S. Grewal – <i>Introduction to Accountancy</i> , S. Chand. 2. S.N. Maheshwari & S.K. Maheshwari – <i>Fundamentals of Accounting</i> , Vikas Publishing. 3. R.L. Gupta & Radhaswamy – <i>Financial Accounting</i> , Sultan Chand &



Sons.

4. Financial Accounting (Principles and Practices), Jawahar Lal & Seema Srivastava, S Chand Publication
5. Financial Accounting, B. Charumati & N. Vinayakam, S. Chand Publication
6. Financial Accounting, Dr. Kaustubh Sontakke, Himalaya Publication
7. An Introduction to Accountancy-12e, S. N. Maheshwari, Suneel K. Maheshwari, Sharad K. Maheshwari; Vikas Publishing House.

Reference Books

1. Hanif & Mukherjee – *Financial Accounting*, Tata McGraw Hill.
2. Bhattacharya – *Essentials of Financial Accounting*, Pearson.
3. Jawaharlal & Seema Srivastava – *Accounting Theory and Practice*, HPH.
4. ICAI Publications – *Accounting Standards (AS 1, AS 9, AS 10)*.
5. IASB / IFRS Foundation – Framework for IAS-1 & IAS-2 (Introductory).

Online References (Free & Authentic Sources)

1. Institute of Chartered Accountants of India (ICAI)

- Accounting Standards (AS 1, AS 9, AS 10)
<https://www.icai.org>
- Official publications, study material, practice manuals.

2. IFRS Foundation (International Financial Reporting Standards)

- IAS-1: Presentation of Financial Statements
- IAS-2: Inventories
- Overview summaries & conceptual framework.
<https://www.ifrs.org>

3. NPTEL – Accounting Courses (IIT & IIM Faculty)

Free video Theorys and notes:

- *Introduction to Financial Accounting*
- *Business Accounting*
<https://nptel.ac.in>

4. SWAYAM / MOOC Platform

Government-approved online courses on:

- Book-Keeping
- Financial Accounting
- Accounting Standards
<https://swayam.gov.in>

5. NCERT (Foundational Accounting Concepts)

Class 11 *Financial Accounting – Part I and II*:

- Basics of journal, ledger, trial balance, final accounts.
<https://ncert.nic.in>

6. Investopedia

Basic definitions and conceptual clarity for:

- Accounting Principles
- Financial Statements

IFRS & GAAP

<https://www.investopedia.com>



Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ / Numerical of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1(carry 5 marks) CIE 2(carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

OR

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAMI1B)
Semester I (Minor – School of Management Thoughts)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAMIIB
Course Name	School of Management Thoughts
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	• Understanding the basics of Management Including planning, organizing. • Effective communication skills for Management.
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Explain the evolution of management thoughts from the Classical, Neo-Classical, and Modern periods, highlighting major contributors and their theories.
CO 2	Analyze classical management approaches including Weber’s Bureaucratic Model, Taylor’s Scientific Management, and Fayol’s Administrative Theory.
CO 3	Evaluate the Neo-Classical and Behavioral contributions of Elton Mayo, Maslow, and McGregor in understanding human behavior at the workplace.
CO 4	Apply Modern management approaches such as Quantitative Techniques, Systems Approach, and Contingency Approach to solve organizational problems.
CO 5	Interpret and integrate motivation theories—Maslow, McGregor, Ouchi, and Herzberg—to design strategies for improving employee performance and organisational effectiveness.
Syllabus: Contents	
Unit I (11 Hours)	Development of Management Thoughts The classical Period (1900-1930): Bureaucratic Model of Max Webber, Scientific Management Concept F.W, Taylor, Functional or Administrative Management Theory by Henry Fayol
Unit II (11 Hours)	The Neo-Classical Period (1930-1950): Human Relations Movement by Elton Mayo, Behavioral Sciences Movement A Maslow, McGregor
Unit III (11 Hours)	The Modern Period (1950 Onwards) Quantitative Approach or Operations Research Analysis by Taylor, Systems Approach by Boulding & Johnson, Contingency Approach was by Lorsch & Lawrence.
Unit IV (12 Hours)	Motivation Thoughts & Theories: Maslow Need Hierarchy Theory, Douglas Mc Gregor Theory ‘X’ and ‘Y’, William Ouchi Theory ‘Z’, Herzberg’s Two Factor Theory
Textbooks / Reference Books:	1. Organizational Behavior - Dr. S S Khanka, S. Chand Publishers 2. Management and Behavioral Processes - K Sridhar Bhatt, Himalaya Publication House Mumbai

Handwritten signatures and marks at the bottom of the page.



Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1(carry 5 marks) CIE 2(carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Chandale *Shi* *Shigal*



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAVSC1)
Semester I (VSC 1 - Computer Application for Business)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAVSC1
Course Name	Computer Application for Business
No. of Credits	02 (Theory– 1, Practical –1)
Teaching Hours	15 +30=45
Evaluation Scheme	60 (End Semester Examination -Min passing marks 30) + 40 (Practical Examination - Min passing marks 20) = 100 marks (Min passing marks – 30 + 20 = 50)
Group under NEP scheme	VSC (Vocational Skill Course)
Pre-requisites for the course	• Basic Computer Skills: Familiarity with using computers, the internet, and common software applications. • File Management: Ability to manage files and folders, including creating, saving, deleting, and organizing files using an operating system like Windows • Communication Skills: Strong verbal and written communication skills for effective messaging.

Course Outcomes: *The students will be able to:*

CO 1	Compare various types of operating system.
CO 2	Perform basic tasks using word processing tools.
CO 3	Perform basic mathematic operations and data presentation using Charts in MS-Excel.
CO 4	Create simple PowerPoint presentations.
CO 5	Use word processing, Spreadsheet and presentation software for various professional and academic task along with basic understanding of Computer fundamentals.

Syllabus:	Contents
Unit I (10 Hours Theory)	Introduction to Computers: Generation of Computers, Block Diagram, Working of Computer, Hardware and Software, Programming and Flow Charts concepts, Operating systems (MSDOS, Windows, UNIX, Linux), Networking concepts
Unit II (02 Hours Theory + 10 Hours Practical)	Word Processing: Introduction, starting word, creating document, Structure of MS-word window and its application, Mouse & keyboard operations, designing a document; formatting - selection, cut, copy, paste, Toolbars, operating on text; Printing, Saving, Opening, closing of document; creating a template; Tables, borders, textbox operations; Spelling and Grammar check
Unit III (02 Hours Theory + 10 Hours Practical)	Spreadsheet Package: Introduction to Ms-Excel, Navigating, Excel Toolbars and Operations, Formatting Features- Copying Data Between Worksheets; Entering and Editing Cell Entries, Creation of Charts, Editing and Formatting Charts, Mathematical, Statistical and Financial Functions in Ms-Excel.
Unit IV	PowerPoint Presentation: Working with PowerPoint Window, Standard

Handwritten signatures and marks at the bottom of the page.



(01 Hours Theory + 10 Hours Practical)	Toolbar, Formatting Toolbar, Drawing Toolbar, Moving the Frame, Inserting Clip Art, Picture, Slide; Text Styling, Send to Back, Entering Data to Graph, Organization Chart, Table, Design Template, Master Slide.	
Textbooks / Reference Books:	1. Microsoft Office –2000 – Gini Courter , Annelte Marquis BPB 2. First Text Book On Information Technology – Srikant Patnaik 3. An Introduction to Operating Systems: Concepts and Practice (GNU/Linux and Windows) Prentice Hall India Pvt., Limited, 2019 4. Mastering MS Office, Bittu Kumar, V&S Publishers; Latest Revised Edition (9 January 2017) 5. MS-Office, Dr. S.S. Srivastava, Firewall Media, 2008	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	Practical (40 marks)
1.	32 MCQs of 2 marks each based on all four units. (8 MCQs from each unit) (Best 30 will be evaluated) (30 MCQs × 2 Marks = 60 Marks)	Practical 1 = 10 Marks Practical 2 = 10 Marks Practical File = 10 Marks Class Activity / Presentation / Viva – Voce = 10 Marks
	Total: 60 marks	Total: 40 marks

Practical List:

MS-WORD:

Microsoft Word 2016 is one of the most reliable, powerful, and feature rich word processors around, and while it's since been replaced by Word 2019, it still offers most of the functionality modern professionals need. Word has always worked best as part of the largest Microsoft Office ecosystem, but Word 2016 brings this to a whole new level. Integration with the various components of the Office suite are tighter than everything before, and a major shift towards cloud based sharing has changed the way that professionals can use Word in some pretty major ways. Through the use of OneDrive, users can quickly share their Word documents with anyone they've given the proper privileges. But that's not the only way you can share files. Through integration with Outlook, you can attach a document via email and allow your recipients to go in and edit it at their discretion. An additional commenting feature allows you to markup documents without changing their basic content. In short, Microsoft has paired Word with the sorts of functionality available through their Google cloud suite. Combine that with the polished and refined features at the heart of Word, and you have one of the finest word processing applications around.

Perform the following given operations:

- a. Type the above given paragraph as it is using “Calibri font”, font size-12
- b. Divide 4 paragraphs for the above text and justify alignment.

Handwritten signatures and initials at the bottom of the page.



- c. Change font size on 18 points for the first paragraph.
- d. Make 1.5 lines spacing for the second paragraph.
- e. Make Drop Cap the first letter of the third paragraph.
- f. Apply header and footer in the document. In header section -Type the chapter name as MS -word 2016 and in footer section → insert page number.

1. Prepare a table in MS-Word

Emp_id	First Name	Last Name	Department	Location
101	Ram	Sharma	Finance	Bangalore
102	Karan	Kapoor	Marketing	Hyderabad
103	Kiran	Varma	IT	Pune
104	Sarvashrestha	Gupta	HR	Raipur

- a. Apply Grid table style to the above given table.
- b. Create landscape orientation and select A4 paper size.
- c. Insert 'State' column after the 'Location' column.
- d. Insert one row below 2nd Row.
- e. Apply font "Cambria" and font size -13 on table.
- f. Insert watermark "Employee Details".
- g. Select the first row of the table and make it centrally aligned.
- h. Apply light grey colour shading to your table
- i. Right align the first column data.

2. Prepare a list showing bullets and numbering feature. The list should be displayed as follows

Information Technology

- ✓ Web technologies
- ✓ Tally
- ✓ MS-office 2016

- Word
- Excel
- Powerpoint

Example of Numbered List

1. Website Development
 - 1.1 HTML
 - 1.2 CSS
 - 1.2.1 Internal Style Sheet
 - 1.2.2 External Style Sheet

JAVASCRIPT

Handwritten signatures and marks at the bottom of the page.



MS -EXCEL

1. Create a Mark-Sheet of MCM-Part I using MS-Excel. Mark-Sheet format should be as per below. Fill the information about 10 students.

Roll No.	Name of Student	IT (100)	ICP (100)	IOS (100)	C++ (100)	MIS & SA (100)	Practical-I (100)	Practical-II (100)	Total Marks (Out of 700)	%
1										

- Draw a pie chart for above mark sheet.
- Also write down the steps to perform above operation in MS-EXCEL.

2. Create an Employee Payment Sheet using MS-Excel. Employee Payment Slip format should be as per below. Fill the information about 10 employees format should be as per below.

Fill the information about 10 employees.

Sr. No.	Name of Employee	Basic Salary	HRA 5%	TA 7%	DA 9%	Gross Salary
1.						

- Draw a bar chart for above employee payment sheet.
- Also write down the steps to perform above operation in MS-EXCEL.

3. Create the following Product sheet in MS-EXCEL and perform the operation given below:

Sr. No.	Product Name	Company Name	Country	Quantity	Rate
1.	Butter	Amul India ltd	India	20	Rs. 19.00
2.	Milkmaid	Amul India ltd	India	10	Rs. 35.00
3.	Tea	Hindustan Lever ltd	Malaysia	15	Rs. 40.00
4.	Biscuits	Parle ltd	India	32	Rs. 12 .
5.	Papad	Haldiram ltd	India	12	Rs. 10
6.	Chocolate	Cadbury ltd	Australia	150	Rs. 15.00
7.	Paneer	Amul India ltd	India	23	Rs. 25.00
8.	Bournvita	Cadbury ltd	Australia	20	Rs. 45.0
9	Poppins	Parle ltd	India	27	Rs. 6.00
10	Sauce	India ltd	India	16	Rs. 21.00

- List only those records whose country = [India].
- List only those records whose company = [Amul].
- Also write down the steps to perform above operation in MS-EXCEL.



4. Create the following Product sheet in MS-EXCEL and perform the operation given below:

Sr. No.	Product Name	Company Name	Country	Quantity	Rate
1	Butter	Amul India ltd	India	20	Rs.19.00
2	Milkmaid	Amul India ltd	India	10	Rs.35.00
3	Tea	Hindustan Lever ltd	Malaysia	15	Rs.40.00
4	Biscuits	Parle ltd	India	32	Rs.12.
5	Papad	Haldiram ltd	India	12	Rs.10
6	Chocolate	Cadbury ltd	Australia	150	Rs.15.00
7	Paneer	Amul India ltd	India	23	Rs.25.00
8	Bournvita	Cadbury ltd	Australia	20	Rs.45.0
9	Poppins	Parle ltd	India	27	Rs.6.00
10	Sauce	India ltd	India	16	Rs.21.00

- Sort by Product Name, by company name, by country in ascending order.
- Sort by Country in descending order.
- Also write down the steps to perform above operation in MS-EXCEL

5. Create the following Product sheet in MS-EXCEL and perform the operation given below:

Sr. No.	Product Name	Company Name	Country	Quantity	Rate
1	Butter	Amul India ltd	India	20	Rs.19.00
2	Milkmaid	Amul India ltd	India	10	Rs.35.00
3	Tea	Hindustan Lever ltd	Malaysia	15	Rs.40.00
4	Biscuits	Parle ltd	India	32	Rs.12.
5	Papad	Haldiram ltd	India	12	Rs.10
6	Chocolate	Cadbury ltd	Australia	150	Rs.15.00
7	Paneer	Amul India ltd	India	23	Rs.25.00
8	Bournvita	Cadbury ltd	Australia	20	Rs.45.0
9	Poppins	Parle ltd	India	27	Rs.6.00
10	Sauce	India ltd	India	16	Rs.21.00

- List records whose quantity is ≥ 10 and ≤ 100
- List records whose rate is $\geq$ Rs.35.00.

Also write down the steps to perform above operation in MS-EXCEL.

MS-POWERPOINT

1. Make a presentation within 5 slides about Student's SWOT analysis .Your slide presentation should fulfill the following details:

Title slide should contain Topic Name, Your name, College Name, Course Name



Slide 1 contents –Strength
Slide 2 contents -Weakness
Slide 3 contents –Opportunities
Slide 4 contents –Threats

Apply below given formatting options using master slide:

- Background of each slide should be your college logo.
- The font size of title slide -32, font type-Cambria.
- Insert footer in the presentation showing your name.

2. Prepare 8 slides covering the details of different UPI apps, Payment Wallets.

The slide contain UPI apps classification should be created by using organization chart.

Slides should contain the following features:

- Insert one image on each slide
- Apply font formatting : Font type-Times New Roman ,Font –Size:24,Alignment – Justified
- Title of each slide should be centrally aligned
- Apply Animation and Transition
- Insert Header and footer
- Insert date and slide number
- Apply any light color slide design.

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CASEC1)
Semester I (SEC 1- Startup Support Executive)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials:
chandra
Jatin
ganga



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CASEC1
Course Name	Startup Support Executive
No. of Credits	02 (Theory-1, Practical-1)
Teaching Hours	15 + 30 = 45
Evaluation Scheme	40 (End Semester Examination – Min passing marks 20) + 40 (Practical Examination – Min passing marks 20) + 20 (Continuous Internal Examination – Min passing marks 10) = 100 marks (Min passing marks 20 + 20 + 10 = 50)
Group under NEP scheme	SEC (Skill Enhancement Course)
Pre-requisites for the course	• Familiarity with basic business concepts such as finance, marketing • Effective communication skills
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Describe startup concepts, formation processes, and the roles and competencies required for a Startup Support Executive.
CO 2	Explain SWOT analysis, market requirements, and the development of a Unique Selling Proposition (USP) for startups.
CO 3	Discuss key legal structures, required documents, and state-level procedures for registering startup entities.
CO 4	Describe LLP registration procedures, DIN/DPIN requirements, and ROC filing processes under the MCA portal.
CO 5	Prepare and evaluate essential business and legal documents required for supporting startup registration and compliance activities.
Syllabus: Contents	
Unit I (3 Hours)	Role and competencies required to be a Startup Support Executive, Common organizational structures, hierarchy and reporting relationships, Employment opportunities and market, Formation of Start-up.
Unit II (3 Hours)	SWOT analysis of start-up, Unique Selling Proposition of start-up, Requirements of Start-ups, The overview of Market.
Unit III (3 Hours)	Documents required to start Start-ups, Legal structure of corporations, The Partnership Deed, Performa of Partnership Deed, State Laws for registration, The applicability of different documents for registration; Bank Account, PAN, etc.
Unit IV (4 Hours)	Limited Liability Partnership Act 2008, Incorporation of Limited Liability Partnership, Designated Partner Identification Number Discuss Name Approval from Registrar of Company, Features of Director Identification Number, Law of Registration, Registrar of Company filing in Ministry of Corporate Affairs portal, One-person Company, Form INC-

Handwritten signatures and marks at the bottom of the page.



Practical (30 Hours)	1. Identifying Startup Ideas 2. Unique Selling Proposition (USP) Sheet 3. SWOT Analysis (Hands-On) 4. Organizational Structure Mapping 5. Partnership Deed Drafting 6. LLP Document Preparation 7. MOA and AOA Drafting (Simplified) 8. DIN (Director Identification Number) Demo 9. Budget Preparation for a Startup 10. Market Research (Field-Based) 11. Competitor Analysis Report 12. Customer Persona Creation 13. Startup Visit Report 14. Incubation Centre Analysis 15. Interview a Startup Employee 16. Startup Support Report for a Real Entrepreneur 17. Client Communication Drafting 18. Professional Presentation 19. Pitch Deck Summary 20. Self-Assessment Checklist		
Textbooks / Reference Books:	Reference Books • The Lean startup “by Eric Ries • The Startup Manual “by Sanajeev Bikcahnadanii • Business Startup skill “ by Shailu Singh		
Evaluation Pattern:			
Sr. No	Theory (40 marks)	Practical (40 Marks)	CIE (20 marks)
1.	5 MCQs on each unit 2 Marks × 20 MCQs = 40 Marks	Any 10 Practical. 4 Marks × 10 Practical = 40 Marks	CIE 1(carry 5 marks) CIE 2 (carry 5 marks) Presentation / Viva-Voce (carry 10 marks)
	Total: 40 marks	Total: 40 marks	Total: 20 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAAEC1)
Semester I (AEC 1 - English)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAAEC1
Course Name	English (Communication Skills)
No. of Credits	02 (Theory -1, Activity-1)
Teaching Hours	15+30=45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks – 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	AEC (Ability Enhancement Course)
Pre-requisites for the course	• Ability to interpret business language. • Basic understanding of communication.
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Apply business communication skills to real life situations
CO 2	Develop writing skills and enrich vocabulary
CO 3	Communicate in English in their everyday life
CO 4	Use basic vocabulary for preparing own notes
Syllabus:	Contents 15 Hours Per Hours
Unit I	Effective Communication 1. What is Communication? Elements of Communication. 2. Types of Communication 3. Essentials of Effective Communication
Unit II	Barriers to effective communication 1. Barriers to Effective Communication 2. How to overcome the Barriers of Communication? 3. Time Management in effective communication
Unit III	Grammar Skills 1. Tenses (5 marks) 2. Subject-Verb Agreement (5 marks) 3. Vocabulary a. Synonyms (3 marks) b. Antonyms (3 marks) c. Homonyms (2 marks) d. Homophones (2 marks)
Practical/ Activities	UNIT 1. Picture Prompt – Display pictures on the screen and have students observe the details and make predictions about what might be happening in the scene. Encourage them to use their imagination and creativity to construct a story based on the picture and ask them to share with the class. UNIT 2. PPT Presentation: Students will prepare a PPT on any aspect of communication Skills and give a seminar of at least 5 min.

Handwritten signatures and initials:
Chandak
Jatin
S. S. S.



	UNIT 3. Dictionary preparation: Prepare an illustrated Dictionary of at least 50 words with their synonyms and antonyms.	
Textbooks / Reference Books:	1. Business Communication and Management - Dr K. R. Dixit (Vishwa Publishers, Nagpur) 2. Communication Skills by Dr Lalita Bisen, Dr Bhumika Agrawal, Dr N Thejo Kalyani 3. English Grammar – N.D. V. Prasada Rao (S. Chand) 4. Basic English Grammar by Dr Arun Jee	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit I (8×2) = 16 Marks	Online and Offline classroom participation of the student during a particular semester = 10 Marks
2.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit II (8×2) = 16 Marks	An assignment / PPT based on curriculum to be assessed by the teacher concerned = 10 Marks
3.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit III (8×2) = 16 Marks	CIEs = 10 Marks
4.	12 MCQs of 1 mark OR 6 VSAQs of 2 marks each based on all three units with no internal choice = 12 Marks	Performance Based Activities conducted by the teacher concerned / Viva voce = 10 Marks
	Total: 60 marks	Total: 40 marks



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAOE1A)
Semester I (OE 1– Elements of Business Environment)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Chandak
Subir



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAOE1A
Course Name	Elements of Business Environment
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	OE (Open Elective)
Pre-requisites for the course	• Familiarity with basic business concepts such as management and Marketing. • Understanding of the business environment including political, social and technological and economic factor that affect business.
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Compare and contrast internal and external environment of business.
CO 2	Understand economic environment of business.
CO 3	Understand the socio-cultural environment of business and social responsibilities of business.
CO 4	Understand technological business environment and its impact.
CO 5	Analyze the overall business environment by integrating knowledge of internal–external factors, economic conditions, socio-cultural influences, social responsibilities, and technological developments to evaluate their collective impact on business decisions.
Syllabus: Contents	
Unit I (7 Hours)	Meaning of business, scope and objectives of business, meaning of business, scope and objectives of business, Meaning of Business Environment, Factors affecting environment to the business, Internal and external environment, micro environment, macro environment. Elements of business environment
Unit II (8 Hours)	Economic Environment: Nature of economy, structure of the economy, economic policies, economic conditions. Political Environment - Economic roles of the government, government and legal environment
Unit III (7 Hours)	Socio-cultural Environment: Business and society, business and culture, language, culture and organizational behavior, other social/cultural factors, social responsibility of business.
Unit IV (8 Hours)	Technological Environment: Features of Technology, Impact of Technology, Management of Technology, Status of Technology in India, Technology and Business Environment- Impact of Technology on Business, Factors affecting technological environment, Types of Technology (Labor based, Capital based), Technology transfer.

Handwritten signatures and marks at the bottom of the page.



**Textbooks /
Reference
Books:**

- Rangarajan, C.A.; Perspective in Economics, S. Chand & Sons, New Delhi
- Cherunilam, Francis;
- Business Environment - Text and Cases, Himalaya Publishing House.
- Aswathappa, K.; Essentials of Business Environment, Himalaya Publishing House, New Delhi.
- Mishra & Puri, Indian Economy, Himalaya Publishing House, New Delhi
- Business and society – Lokanathan and Lakshmi Rajan, Emerald Publishers

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1 (carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1 (carry 5 marks) Assignment 2 (carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

OR

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAOE1B)
Semester I (OE 2 – Life Skills for Success)
(To be implemented from 2025 – 26)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials in blue ink at the bottom left of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAOE1B
Course Name	Life Skills for Success
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	OE (Open Elective)
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Apply effective study strategies, manage examination stress, and develop self-awareness for academic success.
CO 2	Demonstrate values of discipline, emotional balance, social responsibility, and positive peer interaction essential for holistic personality development.
CO 3	Understand the principles of the subconscious mind, harness belief, visualization, and affirmations for personal growth, healing, and success.
CO 4	Design and implement personal transformation plans by integrating study skills, values, and subconscious techniques for lifelong success.
Syllabus:	Contents
Unit I (10 Hours)	Meaning of education, Methods of studying, Ideal study duration for students, Study approach during examination period, Maintaining calmness and focus during exams, Coping strategies after examination failure, Steps to take when unable to understand lessons, Approaches to studying disliked subjects, Developing self-awareness, Maintaining a positive mood for studying, Classification of students as clever or dull.
Unit II (10 Hours)	Avoiding thought pollution, Managing negative emotions such as jealousy and envy, Preventing addiction to bad habits, Importance and impact of good company of friends, Ensuring good companionship in shared hostel rooms, Qualities of an excellent citizen, Role and necessity of private tuition or classes, Participation in extra-curricular activities, Appropriate attitude towards teachers, Duties of students towards society, Duties of students towards schools and colleges, Importance of participating in sports, Consequences of indulging in ragging, Use of medicines for sharpening intelligence, Staying relevant in today's competitive world, Planning and selecting a career during schooling
Unit III (10 Hours)	Meaning of the conscious and subconscious mind, Functions of the subconscious, Relationship between thought and reality, Mental healing principles, Techniques of affirmations and autosuggestions, Visualization and imagination, Overcoming fears and negative emotions, Role of subconscious in career and success, Creative power of the subconscious, Subconscious methods

Handwritten signatures and marks at the bottom of the page.



	for wealth and prosperity, Healing of body and mind, Building self-confidence, Universal laws of subconscious success, Developing spiritual well-being, Designing a personal transformation plan	
Textbooks / Reference Books:	• Jeevanvidya's Guidance to Students by Sadguru Shri Wamanrao Pai • Joseph Murphy – The Power of Your Subconscious Mind	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	30 MCQs (30 × 2 Marks) = 60 Marks OR 20 MCQs (20 × 2 Marks) + 10 VASQs (10 × 2 Marks) = 60 Marks	1. Vision board creation (5 Marks) 2. Forgiveness Letter (5 Marks) 3. Goal Programming Plan (21-day practice) (5 Marks) 4. Maintaining a thought diary (5 Marks) 5. Practice of daily affirmations (5 Marks) 6. Group discussion on the role of belief in healing (5 Marks) 7. Role-play on handling negative emotions (5 Marks) 8. Meditation and visualization practices (5 Marks) OR उत्कर्ष विद्यार्थ्यांचा संकल्प जीवनविद्येचा (मराठी) / उत्कर्ष छात्रों का संकल्प जीवनविद्या का (हिंदी) https://lms.jeevanvidya.org/local/customsignup/courseinfo.php?id=11 (Course Registration Link for Hindi) or https://lms.jeevanvidya.org/local/customsignup/courseinfo.php?id=10 (Course Registration Link for Marathi) 40 Marks - Complete the online course from Jeevan Vidya Mission's Website and submit the Certificate of Completion

Handwritten signatures and initials at the bottom of the page.



		(40 Marks) Note: Students are required to refer to the 'Internal Assessment Guide' for the details of how to complete the tasks/ activities as above.
	Total: 60 marks	Total: 40 marks

Handwritten signatures and text:
skindale
Lester
20/10/19



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAVEC1)
Semester I (VEC 1 - Environmental Studies)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and marks at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM1CAVEC1
Course Name	Environmental Studies
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	VEC (Value Education Course)
Pre-requisites for the course	• Familiarity with basic environmental concepts • Understanding of current environmental issues
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Explain fundamental concepts of environment, ecosystem structure, functions, and ethics.
CO 2	Identify various natural resources and apply environmental management techniques for pollution control and climate change mitigation.
CO 3	Analyze biodiversity, sustainable development goals, environmental issues, treaties, and Indian traditional environmental practices.
CO 4	Evaluate the relationship between human population, environmental impact, and community health, with reference to resettlement and rehabilitation.
CO 5	Apply disaster management concepts and examine major environmental movements in India.
Syllabus: Contents	
Unit I (8 Hours)	<u>Understanding the Environment:</u> Environment: Concept, importance and physical and anthropogenic components Ecosystem: Concept, structure and function; Ecology and ecosystem Abiotic Factors Biotic Factor food chain, food web, dynamism in ecosystem Concept and objectives: Environmental education, environmental ethics Environmental ethics: Need, Objectives
Unit II (7 Hours)	<u>Natural Resources and Environmental Management:</u> Natural Resources: Renewable and non-renewable Solid waste management: Individual, community and government level Air, water and soil pollution: Causes, effects and control, Conservation methods and efforts in water, minerals, fuels, air. Climate change: Global warming impact, adoption and mitigation
Unit III (8 Hours)	<u>Environment and Sustainable Development:</u> Biodiversity: concept, levels, hot-spots and values Environmental issues: Local, regional and global Environmental treaties and legalization: net zero policy & economic policies,

8
Chidok
Luter
Jing



	Importance of Indian Traditional knowledge on environment, CSR and SDGs association.
Unit IV (7 Hours)	<u>Human Communities and Environment:</u> Human population growth: Impacts on environment, human health and welfare. Resettlement and rehabilitation of project affected persons, case studies. Disaster management: floods, earthquakes, cyclones and landslides. Environmental movements: Chipko, Silent valley, and Bishnois of Rajasthan.
Textbooks / Reference Books:	<u>Textbooks:</u> 1. Erach Bharucha – Textbook of Environmental Studies for Undergraduate Courses, University Grants Commission (UGC). 2. R. Rajagopalan – Environmental Studies: From Crisis to Cure, Oxford University Press. 3. Anubha Kaushik & C.P. Kaushik – Environmental Studies, New Age International Publishers. 4. Benny Joseph – Environmental Studies, Tata McGraw Hill. 5. Dr. M.P. Mishra – Fundamentals of Environmental Studies, S. Chand & Co. <u>Reference Books:</u> 1. Odum, E.P. – Fundamentals of Ecology, Cengage Learning. 2. Miller, G.T. & Spoolman – Environmental Science, Brooks/Cole. 3. Botkin & Keller – Environmental Science: Earth as a Living Planet, Wiley. 4. Y.K. Singh – Environmental Science, New Age International. 5. J.A. Laurence & Butterfield – Manual of Environmental Management, McGraw Hill. 6. Cunningham, Saigo & Cunningham – Environmental Science: A Global Concern, McGraw Hill. 7. Sheth, Prakash – Environmental Studies, Pearson Education. 8. UNEP Reports – Global Environment Outlook (latest editions). 9. Government of India – Environmental Protection Act, 1986 & related notifications. 10. IPCC Reports – Assessment Reports on Climate Change (latest AR). <u>Online & Open Educational Resources (OER):</u> 1. MOEFCC – Ministry of Environment, Forest & Climate Change official resources. 2. UN SDGs Knowledge Platform – Sustainable Development documentation. 3. NPTEL Online Courses on Environmental Studies. 4. UNESCO – Environmental Education Resources.

**Evaluation Pattern:**

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1(carry 5 marks) CIE 2(carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Handwritten signatures and initials at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CAIKS)
Semester I (IKS - Indian Economies and Business Model)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)

Handwritten signatures and initials:
Chandak
Jyoti
Jyoti



Course Code	BCOM1CAIKS
Course Name	Indian Economies and Business Model
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	IKS (Indian Knowledge System)
Pre-requisites for the course	• Basic knowledge of economy • Awareness about the basic business model • Application of different economies in business
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Analyse the evolution of Indian economic thought by interpreting ideas from Dharmashastras, Shukraniti, Mahabharata, and Arthashastra, and compare sector-wise contributions in the past and present.
CO 2	Critically evaluate Kautilya's economic principles, India's ancient GDP strength, and contemporary issues such as capitalism, caste as social capital, black money, and tax havens from a Dharmic-economic perspective.
CO 3	Assess India's ancient strengths in agriculture, manufacturing, education, wealth, governance, and business and examine India's present global position through the lens of the Indian Business Model (10-Point Formula).
CO 4	Synthesize the historical evolution of Indian economic thought with new economic models to compare sectoral performance and understand the continuity of indigenous economic philosophies.
CO 5	Apply indigenous economic principles through practical activities such as case studies, sector-wise comparison projects, group presentations, and analysis of ancient texts to propose sustainable economic strategies for modern India.
Syllabus: Contents	
Unit I (7 Hours)	History of Indian Economy Thoughts: New Indian Economic Model & Sectorial Contribution Past vs Present History of Indian Economy Thoughts: Context from Dharmashastras, Shukraniti, Mahabharata, and Arthashastra
Unit II (8 Hours)	Kautilya's Economic thoughts in specific: India and Global GDP: Ancient India; Beyond Capitalism and Communalism, Dharmic, Caste as Social Capital, Black Money, and Tax Heaven.
Unit III (8 Hours)	Agriculture: Ancient India, Manufacturing: Ancient India, Education in India, And Wealth in India, Governance, and Business in India, Where India Stands Globally.
Unit IV (7 Hours)	Indian Business Model: Based on 10-point formula: Family Base, High Level of Savings, Self-employment, Highly Entrepreneurial Nature, Non-corporate Sector as the Core of the Economy, Community Orientation and Higher Social Capital, Faith and Relationship in Economic Affairs, A Society-driven Economy, Driven by Norms and Values.

Handwritten signatures and marks at the bottom of the page.



Practical/ Activities	• Activity 1: Prepare a comparative chart of India's sectoral contribution (Ancient vs Modern). • Activity 2: Case study on Kautilya's fiscal policies vs modern public finance. • Activity 3: Group presentation on the Indian Business Model: 10-Point Formula. • Activity 4: Practical interpretation of economic ideas from Dharmashastras or Arthashastra. • Activity 5: Mini research project: "Where India Stands Globally – Past vs Present."
Textbooks / Reference Books:	1. Kanagasabapathi; "Indian Models of Economy, Business and Management", Third Edition, Prentice Hall India Ltd., Delhi. 2. Lotus and Stones; Garuda Prakashan (31 October 2020); Garuda Prakashan Pvt. Ltd. 3. Dwivedi D.N., Essentials of Business Economics, Vikas Publications, Latest Edition. 4. InidaUninc by Prof. R Vaidyanathan, Westland Ltd. Publication 5. Economic Sutras by Prof. Satish Y. Deodhar, IIMA Books series 6. Black Money Tax Heaven by R Vaidyanathan, Westland Ltd. Publication. Online Materials (Free & High-Quality) 1. Government Sources, Economic Data & Sector Reports • NITI Aayog – Reports on agriculture, manufacturing, governance • RBI Handbook of Statistics – Historical GDP, sectoral data • MOSPI – National Accounts Statistics • Economic Survey of India – Free PDFs • IndiaStat (limited free sections) – Historical trend data 2. Ancient Texts & Translations (Free PDFs) • Arthashastra (Shamasastri translation) – Available on Archive.org • Manusmriti & Dharmashastras – SanskritDocuments.org • Shukraniti (English translation) – Archive.org • Mahabharata (Economic references) – SacredTexts.com • Rigveda, Yajurveda references – WisdomLib.org YouTube / MOOCs (Free Courses) 1. SWAYAM / NPTEL Courses • Ancient Indian Knowledge Systems • Indian Economy • Indian Culture & Governance 2. UPSC channels (for structured concepts): • Drishti IAS • BYJU's UPSC • StudyIQ 3. Academic Theorists

Handwritten signatures and marks at the bottom of the page.



- Prof. Bibek Debroy: Arthashastra
- Prof. R. Vaidyanathan: Indian Economic Model
- Prof. Kapil Kapoor: Indian epistemology & society

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1(carry 5 marks) CIE 2(carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Handwritten signatures and initials:
Shandak, J. K. Singh



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM1CACCC1)
Semester I (CC 1 - NCC / NSS / Sports / Cultural / LLL)
(To be implemented from 2024 – 25)

(02 Credits for 100 Marks)

**As per the guidelines of CC applicable to all UG Program under Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur**

etandak

Julia

7/10/24



SEMESTER II

Computer Application (Semester II)				Teaching Scheme / Total Hours Per Week			Examination Scheme								
Sr. No	(UG Certificate in Commerce)	Course Type	Course Code	Theory	Practical	Total	Max. Marks (SEE Theory)	Min. Mark (SEE Theory)	Max. Marks (SEE Practical)	Min. Marks (SEE Practical)	Max. Marks (CIE)	Min. Mark (CIE)	Total	Min. Marks	Credit
1	Fundamentals of Computer and Coding	Major	BCOM2CAM2	2	4	6	40	20	20	10	40	20	100	50	4
2	Introduction to Commerce	Minor	BCOM2CAMI2	3	-	3	60	24	-	-	40	16	100	40	3
3	Digital Marketing	VSC	BCOM2CAVSC 2	1	2	3	60	30	40	20	-	-	100	50	2
4	Mutual Fund Agent	SEC	BCOM2CASEC 2	1	2	3	40	20	40	20	20	10	100	50	2
5	Hindi	AEC	BCOM2CAAEC 2A	1	2	3	60	24			40	16	100	40	2
	Marathi		BCOM2CAAEC 2B												
6	Business Correspondence	OE	BCOM2CAOE2	2	-	2	60	24	-	-	40	16	100	40	2
7	College to Corporate	OE	BCOM2CAOE3	2	-	2	60	24	-	-	40	16	100	40	2
8	Constitution of India	VEC	BCOM2CAVEC 2	2	-	2	60	24	-	-	40	16	100	40	2
9	NCC / NSS / Sports / Cultural / LLL	CC	BCOM2CACC2	-	4	4	-	-	-	-	100	50	100	50	2
Total				14	14	28	440	190	100	50	360	160	900	400	21

Minimum Passing Marks for theory 40% i.e. 40 & Minimum Passing Marks for Practical 50% i.e. 50
Course Type: Major, Minor, VSC, SEC, VEC, IKS, AEC, OJT/RP/CEP/Internship, OE.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAM2)
Semester II (Major – Fundamentals of Computer and Coding)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAM2
Course Name	Fundamental of Computer and Coding
No. of Credits	04 (Theory – 2, Practical – 2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 Marks (Min passing marks – 20 + 10 + 20 = 50)
Group under NEP scheme	Major
Pre-requisites for the course	• Basic understanding of applications of Computers • Ability to use Keyboard and Mouse
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand and Describe the key components of computer systems
CO 2	Analyze and design algorithms using flowcharts and pseudo code to solve computational problems.
CO 3	Write basic C programs using variables and control statements.
CO 4	Implement and manipulate arrays and functions in C.
CO 5	Apply theoretical knowledge and programming skills to solve real-world computational problems
Syllabus: Contents	
Unit I (8 Hours)	Input Devices: Introduction, Keyboard, pointing devices, scanning devices, Optical recognition devices Output Devices: Introduction, Display monitors, Printers: Impact printers, non-impact printers, Plotters. Memory and Storage Systems: Introduction, Memory representation, Random Access Memory, Read Only Memory, Storage systems: Magnetic storage systems, Optical storage systems, Magneto optical system, Solid-state storage devices.
Unit II (7 Hours)	Flow Chart: What is Flowchart, Need of flowchart Symbols of flowchart Algorithms: Algorithm, Need of Algorithm, step by step representation of any problem using algorithms Dry Run: What is Dry Run, How to create dry run.

Handwritten signatures and marks at the bottom of the page.



Unit III (8 Hours)	Data Types, Operators and some statements: Identifiers and keywords, Constants, C Operators, Type Conversion. Writing a Program in C: Variable declaration, Statements, Simple C Programs, Simple Input Statements, and Simple Output Statements. Control Statements: Conditional Expressions, Loop Statements, Breaking control statements.
Unit IV (7 Hours)	Functions and Program Structures: Introduction, Defining a Function, Types of User Defined Functions, Return Statement, Actual & Formal Arguments, Local & Global Variables, Scope of Variables, Recursive Functions. Arrays: One dimensional array, Array Declaration, Array Initialization, Two dimensional array, Declaration and initialization of two dimensional array, multidimensional array, Character array and Strings functions.
Practical (60 Hours)	1. Write an algorithm, draw a flowchart and develop a C++ program to print the sum and product of digits of an integer. 2. Write an algorithm, draw a flowchart and develop a C++ program to reverse of a number. 3. Write an algorithm, draw a flowchart and develop a C++ program to compute the sum of the first n terms of the follow series $s=1+1/2+1/3+1/4+.....$ 4. Write an algorithm, draw a flowchart and develop a C++ program to compute the sum of the first n terms of the follow series $s=1-2+3-4+5.....$ 5. Write an algorithm, draw a flowchart and develop a C++ function that checks whether a given string is palindrome or not. 6. Write an algorithm, draw a flowchart and develop a C++ program to print a triangle of stars as follows(take number of lines from the user): * *** ***** ***** ***** 7. Write an algorithm, draw a flowchart and develop a C++ program to swaps two numbers using pointers. 8. Write an algorithm, draw a flowchart and develop a C++ program to find whether a given number is prime or not. use the same to generate prime numbers less than 100. 9. Write an algorithm, draw a flowchart and develop a c++ program to demonstrate the use of single inheritance. 10. Write an algorithm, draw a flowchart and develop a c++ program to find largest among two values using friend function. 11. Write an algorithm, draw a flowchart and develop a c++ program in which a function is passed address of two variables and then alter its contents.

Handak

Joshi

Joshi



	12. Write an algorithm, draw a flowchart and develop a c++ program to display Fibonacci series using recursion. 13. Write an algorithm, draw a flowchart and develop a c++ programto calculate factorial of a number using recursion. 14. Write an algorithm, draw a flowchart and develop a c++ programto demonstrate the use of this pointer. 15. Write an algorithm, draw a flowchart and develop a c++ program to perform unary operator overloading.		
Textbooks / Reference Books:	Dr. Liladhar Rewatkar, Dr. Ujwal Lanjewar, Dr. Nirzar Kulkarni – Sheth Publishers Pvt Ltd. MS Office 2016 Quintessential Course –Vishnu P Singh, Asian Computer Books Microsoft Office 2016 Step by Step, Joan Lambert, Curtis Frye, Microsoft Press Information Technology, Vikrant Malviya, Himalaya Publishing House Reference Books: Introduction to Information Technology, RenuVashishth & Dr. Neeru Mudra, Himalaya Publishing House Computer course –Prof. Satish Jain, Shashi Singh, M. Geetha, BPB Publication Office 16 in easy steps, Michael Price Mike McGrath, BPB Publications Office 2016 for beginners- Steven Weikler, Alpha Lifestyle Productions Microsoft office 2016 Word, Excel, One Note Book - Vol 1-Lalit Mali, Notion Press		
Evaluation Pattern:			
Sr. No	Theory (40 marks)	Practical (20 Marks)	CIE (40 marks)
1.	8 SAQs of 5 marks each based on all four Units. OR 4 LAQ of 10 marks (8 × 5 OR 10 × 4 = 40 marks)	Practical 1 – 05 Marks Practical 2 - 05 Marks File – 05 Marks Viva- Voce – 05 Marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) Assignment 1 – 5 Marks Assignment 2 - 5 Marks Class Activity / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 marks	Total: 20 marks	Total: 40 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAMI2)
Semester II (Minor – Introduction to Commerce)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAMI2
Course Name	Introduction to Commerce
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	Know the basic meaning of Commerce

Course Outcomes: *The students will be able to:*

CO 1	Explain the nature, scope, and core contents of major commerce verticals such as Accounting, Taxation, Finance, Marketing, Operations, HR, Commercial Laws, International Trade, E-commerce, Capital Markets, and Business Analytics.
CO 2	Describe the roles, required competencies, and professional responsibilities of Maths - intensive commerce careers such as CA, CFA, Actuary, Cost Accountant, CS, Investment Banker, Financial Advisor, Research Analyst, and Business Analyst.
CO 3	Assess career suitability based on personal skills, interests, creativity, and communication abilities.
CO 4	Identify the essential skills and competencies needed for various commerce careers.
CO 5	Integrate knowledge of different commerce verticals, career roles, required skills, and certifications to design a personalized career roadmap in the commerce field.

Syllabus: **Contents**

Unit I (11 Hours)	Verticals in commerce education (Nature, scope and basic contents) – Financial and Management Accounting, Taxation, Cost Accounting, business administration, Financial Management, Marketing Management, Operations Management, HR Management, commercial Laws, International Trade, E Commerce, Capital Markets, Business Analytics etc.
Unit II (11 Hours)	Career Options in Commerce (Role and Profile) involving Maths skills like Chartered Accountant (CA), Investment Banker, Chartered Financial Analyst (CFA), Actuary, Cost Accountant, Company Secretary (CS), Personal Financial

Handwritten signatures and initials at the bottom of the page.



	Advisor, Research Analyst, and Business Analyst.	
Unit III (11 Hours)	Career Options in Commerce (Role and Profile) requiring lesser Maths skills like Marketing, Entrepreneurship, Human Resource Management, Retail Management, Cost Management Accountant (CMA), Product Management, Relationship Manager.	
Unit IV (12 Hours)	Skills, competencies and examinations / certifications for getting into various career options, SEBI / NISM Certifications overview.	
Textbooks / Reference Books:	1. Engineering Management (English, Paperback, Gupta A. K.) S Chand 2. Engineering Management (English, Undefined, Chauhan A S) Jain Brothers	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 marks)	CIE 1(carry 5 marks) CIE 2(carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10 × 2 OR 10 × 2 = 20 marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

8
Sundak
Jain
20/10/19



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAVSC2)
Semester II (VSC 2 - Digital Marketing)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAVSC2
Course Name	Digital Marketing
No. of Credits	02 (1 Theory, 1 Practical)
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 30</i>) + 40 (Practical Examination – <i>Min passing marks - 20</i>) = 100 marks (Min passing marks – 30 + 20 = 50)
Group under NEP scheme	VSC (Vocational Skill Course)
Pre-requisites for the course	• Basic Computer Skills: Familiarity with using computers, the internet, and common software applications. • Understanding of Marketing Principles: A foundational knowledge of marketing concepts can be helpful. • Communication Skills: Strong verbal and written communication skills for effective messaging. • Social Media Familiarity: Experience using various social media platforms is useful, as they play a significant role in digital marketing.
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Showcase the basic knowledge of digital marketing
CO 2	Use search engine optimization
CO 3	Apply the obtained knowledge of email marketing and social media marketing
CO 4	Differentiate between various internet marketing elements
CO 5	Plan and execute a complete digital marketing strategy , integrating social media, SEO, SEM, content creation, and branding tools to promote a business or product effectively.
Syllabus: Contents	
Unit I (11 Hours)	Introducing to marketing (traditional and digital) Definition, Four P's, Benefit and limitations, traditional VS Digital, definition and benefits of Digital Marketing, Trends of the Digital Marketing Industry, Pull And Push Digital marketing, Segmentation Strategies of Digital



	marketing, Digital marketing platforms. Social Media Marketing –Part I • Introduction to various social media platforms • Using Facebook and Instagram • Graphic design using Canva • Reel making and editing using VN		
Unit II (11 Hours)	Social Networking, on-Page Optimization Off Page Optimization, Keywords, Google Ad Words, Use of Different Social Media Platforms, Content Creation. Social Media Marketing – Part II • Social Media advertisement • Lead generation Understand the applications of AI in digital marketing: chatboats, predictive analytics, content optimization, personalization		
Unit III (12 Hours)	Search Engine Marketing-Introduction to SEM, Campaign Creation, Ad Creation, Site Targeting Keyword Targeting An Overview of SEO • Gaining insight into search engine operations • Traffic and its meaning • Different types of keywords • Traffic and its meaning • Different types of keywords • Techniques for identifying the best keyword Strategies for keyword optimization		
Unit IV (11 Hours)	Internet Marketing -Introduction & Advantages of Internet Marketing in Business, Optimization of Business Site and Market Featured Products, Blogs & Opinion, Importance of Branding		
Practical List	Practical No.	Title of Practical	Practical Activity / Exercise
	1	Understanding Marketing Mix (Four P's)	Identify and present the Product, Price, Place, and Promotion strategies of any one FMCG or service brand.
	2	Comparative Study: Traditional vs Digital Marketing	Prepare a short report or poster comparing reach, cost, and customer engagement in Traditional vs Digital Marketing.
	3	Graphic Design using Canva	Create 2 promotional posts and 1 story for a selected brand using Canva.
	4	Reel Creation and Editing	Make a 30-second product or event promotional reel using VN App, including captions and background music.

Handwritten signatures and initials at the bottom of the page.



	5	Designing a Social Media Advertisement	Create a mock ad on Facebook or Instagram with headline, text, and call-to-action for lead generation.
	6	Exploring AI Tools in Marketing	Use an AI-based tool (ChatGPT / Copy.ai / Canva Magic Write) to generate ad captions or campaign ideas.
	7	Keyword Research and Optimization	Use Google Keyword Planner / Ubersuggest to find 10 relevant keywords for a selected business and categorize them.
	8	Blogging and Brand Promotion	Create a short blog (300–400 words) using Blogger / WordPress promoting a local product or service with basic SEO tags.

**Textbooks/
Reference
Books:**

Text Book: -

1. Digital Marketing for Dummies, By Ryan Deiss & Russ Henneberry
2. Jab, Jab, Jab, Right Hook, By Gary Vaynerchuk
3. Building a StoryBrand: Clarify Your Message So Customers Will Listen, By Donald Miller
4. Digital Marketing Strategy: An Integrated Approach to Online Marketing, By Simon Kingsnorth.
5. Epic Content Marketing: How to Tell a Different Story, Break Through the Clutter, and Win More Customers by Marketing Less, By Joe Pulizzi.
6. The Art of SEO: Mastering Search Engine Optimization, By Eric Enge, Jessie Stricchiola, and Stephan Spencer.
7. New Rules of Marketing and PR, By David Meerman Sc.

Reference Books:

1. Digital Marketing, Raghavendra K., Shruti Prabhakar, Himalaya Publ. House, 2016, pageno. 1-79
2. Principles of Advertising & IMC, Tom Duncan , McGraw-Hill , second edition page 330-601
3. Strategic Brand Management , Third edition , Kelvin Lane Keller, Pearson Education, Page No.23-160

Evaluation Pattern:

Sr. No.	Theory (60 marks)	Practical (40 marks)
1.	32 MCQs of 2 marks each based on all four units. (8 MCQs from each unit) (30 × 2 = 60 Marks)	Best 6 out of 8 practical will be considered for marking. 5 Marks x 6 = 30 Marks Class Activity / Presentation / Viva –Voce = 10 Marks
	Total: 60 marks	Total: 40 marks

Handwritten signatures and initials at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CASEC2)
Semester II (SEC 2 – Mutual Fund Agent)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CASEC2
Course Name	Mutual Fund Agent
No. of Credits	02 (Theory-1, Practical-1)
Teaching Hours	15 + 30 = 45
Evaluation Scheme	40 (End Semester Examination – Min passing marks – 20) + 40 (Practical Examination – Min passing marks - 20) + 20 (Continuous Internal Examination – Min passing marks - 10) = 100 marks (Min passing marks 20 + 20 + 10 = 50)
Group under NEP scheme	SEC (Skill Enhancement Course)
Pre-requisites for the course	• Familiarity with the basic financial concepts such as investing, risk management and financial market. • Knowledge Of mutual fund including types of funds and investment strategies.
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Use the historical knowledge to inform analysis of current trends and development in the mutual fund industry.
CO 2	Approach and market various mutual funds schemes to prospective customer identified
CO 3	Assist customer with determining most suitable mutual fund scheme according to needs.
CO 4	Assist customer with the application process for purchasing the mutual fund.
CO 5	Develop long-term relationships with customers.
Syllabus: Contents	
Unit I (11 Hours)	Introduction, History of Mutual Funds, Structure of Mutual Funds, Financial Planning and Potential Investors, Role of a Mutual Fund Agent, Legal & Regulatory Environment, Macro Economic Environment. Practical – Update knowledge on mutual fund market; Keep up to date on regulations and guidelines, Impact of Macro Economic factors on mutual fund market.

8

Shardak

Wahid

ganga



Unit II (11 Hours)	Structure of Mutual Fund Products, Accounting of Mutual Funds, Tax and Tax-Related Regulations, Financial Planning, Marketing of Mutual Funds. Practical – Approach and market various mutual funds schemes to prospective customer identified, Assist customer with determining most suitable mutual fund scheme according to needs, Receive approval for initiating purchase process.
Unit III (11 Hours)	Offer Documents and Application Forms, Account Opening and KYC Process, Modes of Investment, Timing of Investment, Risk Allocation and Portfolio Selection. Practical – Assist customer with the application process for purchasing the mutual fund, Collect and ensure payments are processed at the bank / organization, Deliver proof of purchase and plan follow-up sessions.
Unit IV (12 Hours)	Customer Relationships, After Sales Service. Practical – Develop long-term relationships with customers, Respond to customer queries, clarifications, and advice the customers on existing product and new schemes, assist in termination of investment.
Textbooks / Reference Books:	• Mutual Funds in India - S. R. Vishwanath • Investing In Mutual Funds : Dhindra Kumar

Evaluation Pattern:

S. No	Theory (40 marks)	Practical (40 Marks)	CIE (20 marks)
1.	5 MCQs on each unit 2 Marks $\times$ 20 MCQs = 40 Marks	Practical on each unit. 10 Marks $\times$ 4 Practical = 40 Marks	CIE 1(carry 5 marks) CIE 2 (carry 5 marks) Class Activity/ Presentation / Viva-Voce (carry 10 marks)
	Total: 40 marks	Total: 40 marks	Total: 20 marks

Chandak
Indu
2020



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAAEC2A)
Semester II (AEC 2 - Hindi)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAAEC2A
Course Name	हिंदीभाषा: संप्रेषण और संचार
No. of Credits	02 (Theory – 1, Activity– 1)
Teaching Hours	15+30=45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	AEC (Ability Enhancement Course)
Pre-requisites for the course	- संप्रेषण का सामान्य ज्ञान होगा. - संवाद लेखन की जानकारी होगी.
Course Outcomes: <i>The students will be able to:</i>	
CO 1	संप्रेषण की अवधारणा और प्रक्रिया से परिचित होगा
CO 2	संप्रेषण की तकनीक और कार्यशैली की बहुसंख्यक समझ का विकास होगा
CO 3	संप्रेषण के प्रकार की व्यावहारिक जानकारी प्राप्त करेंगे
Syllabus:	Contents 15 Hours Per Unit
Unit I	संप्रेषण: सामान्य परिचय संप्रेषण की अवधारणा संप्रेषण की प्रक्रिया
Unit II	संप्रेषण के विविध आयाम संप्रेषण और संचार संप्रेषण एवं संचार के विविध रूप
Unit III	संप्रेषण के प्रकार डिक्शनरी लेखन, संवाद लेखन, डायरी लेखन ब्लॉग लेखन, सम्पादकीय आलेख
Textbooks / Reference Books:	1. भाषा और संप्रेषण : रामप्रकाश प्रजापति 2. सूचना एवं संप्रेषण: तकनीकी की समझ: स्मितामिश्र 3. संप्रेषण: चिंतन और स्टूडियो: मंजु मुकुल

Handwritten signatures and marks at the bottom of the page.



	4. संवाद पथपत्रिका: संवाद हिंदी संस्थान 5. संप्रेषण प्रतिरूप एवं सिद्धांत : डॉ. श्रीकांत सिंह 6. मीडिया और लोकतंत्र सं. प्रो. रवीन्द्रनाथ मिश्र, वाणी प्रकाशन, दिल्ली	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit I (2 × 8 OR 1 × 16) = 16 Marks	Online and Offline classroom participation of the student during a particular semester = 10 Marks
2.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit II (2 × 8 OR 1 × 16) = 16 Marks	An assignment / PPT based on curriculum to be assessed by the teacher concerned = 10 Marks
3.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit III (2 × 8 OR 1 × 16) = 16 Marks	CIEs = 10 Marks
4.	12 MCQs of 1 mark OR 6 VSAQs of 2 marks each based on all three units with no internal choice (12 × 1 OR 6 × 2) = 12 Marks	Performance Based Activities conducted by the teacher concerned / Viva voce = 10 Marks
	Total: 60 marks	Total: 40 marks

OR

[Handwritten signatures and marks]



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAAEC2B)
Semester II (AEC 2 - Marathi)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAAEC2B



Course Name	मराठी - भाषिक कौशल्य विकास - भाग १	
No. of Credits	02 (Theory - 1, Activity - 1)	
Teaching Hours	15+30=45	
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)	
Group under NEP scheme	AEC (Ability Enhancement Course)	
Pre-requisites for the course	- विद्यार्थ्यांनी शालेय पातळीवर मराठी व्याकरण, शुद्धलेखन व वाचन-लेखन कौशल्य आत्मसात केलेले असावे. - दैनंदिन संवाद, लेखी व मौखिक अभिव्यक्तीची प्राथमिक क्षमता असणे आवश्यक आहे.	
Course Outcomes: <i>The students will be able to:</i>		
CO 1	विद्यार्थ्यांची भाषिक कौशल्ये विकसित करणे.	
CO 2	विद्यार्थ्यांना रोजगाराभिमुख बनविणे.	
CO 3	भाषा व्यवहारासाठी आवश्यक ती लेखन, भाषण, वाचन ही कौशल्ये विकसित करणे.	
Syllabus: Contents 15 Hours Per Unit		
Unit I	भाषिक कौशल्ये, व्यक्तिमत्व आणि व्यक्तिमत्त्व विकास	
Unit II	संवाद आणि संभाषण कौशल्ये	
Unit III	वाचन आणि लेखन कौशल्ये	
Textbooks / Reference Books:	अभ्यासग्रंथ - व्यावहारिक मराठी, ल. रा. नसिराबादकर, भाषाविकास संशोधन संस्था, कोल्हापूर, २०२२ (प्रकरण १ ते ४)	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit I (2 × 8 OR 1 × 16) = 16 Marks	Online and Offline classroom participation of the student during a particular semester = 10 Marks
2.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit II (2 × 8 OR 1 × 16) = 16 Marks	An assignment / PPT based on curriculum to be assessed by the teacher concerned = 10 Marks
3.	2 SAQs of 8 marks OR 1 LAQ of 16 marks each based on Unit III (2 × 8 OR 1 × 16) = 16 Marks	CIEs = 10 Marks
4.	12 MCQs of 1 mark OR 6 VSAQs of 2 marks each based on all three units with no internal choice (12 × 1 OR 6 × 2) = 12 Marks	Performance Based Activities conducted by the teacher concerned / Viva voce = 10 Marks
	Total: 60 marks	Total: 40 marks



SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAOE2)

Semester II (OE 2 – Business Correspondence)

(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAOE2
Course Name	Business Correspondence
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	OE (Open Elective)
Pre-requisites for the course	• Basic understanding of letter writing • Familiarity with English grammar
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Draft personal and professional letters.
CO 2	State email etiquette in their own words.
CO 3	Prepare resume for job purpose.
CO 4	Draft documents like notices, agenda, minutes and action taken reports related to official meetings.
Syllabus:	Contents 10 Hours Per Unit
Unit I	1. What is Business correspondence, Importance of Business correspondence 2. Principles of effective business correspondence 3. Types of correspondence: Internal Correspondence, External Correspondence, Sales Correspondence, Routine Correspondence, Personalized Correspondence, Circulars
Unit II	1. Email etiquette 2. Job Application, Offer Letter, Acceptance / Rejection of job offer letter 3. Resume / Bio-note / Biodata / Curriculum Vitae Writing
Unit III	1. Meeting Etiquette 2. Notices, Agenda, Minutes and Action Taken Reports 3. Circulars and Memos
Activities	1. Collect actual letters of all types of business correspondence prescribed in Unit I . 2. PPT presentation on email etiquette based on Unit II

Handwritten signatures and marks at the bottom of the page.



	3. Prepare personal Resume (Unit II) 4. Draft notice, agenda, minutes and action taken report of an actual meeting held in the college. (Unit III)	
Textbooks / Reference Books:	• Business Correspondence by Urmila Rai and S M Rai, Himalaya Publishing House • Business Correspondence and Report Writing by Krishna Mohan, R C Mohan, Virendra Singh Nirban	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	12 VSAQs of 2 marks each based on all three units. (4 VSAQ from each unit) (Best 10 will be evaluated) ($10 \times 2 = 20$ marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	21 MCQs of 2 marks each based on all three units. (7 MCQs from each unit) (Best 20 will be evaluated) ($20 \times 2 = 40$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Chandani

Juli

Raj



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAOE3)
Semester II (OE 3 – College to Corporate)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAOE3
Course Name	College to Corporate
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	OE (Open Elective)
Pre-requisites for the course	• Basic understanding of corporate life • Familiarity with manners and etiquette
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Hold conversations with their colleagues, seniors and customers at their workplace
CO 2	Use correct words with proper pronunciation and intonation while speaking.
CO 3	Conduct events with introductory remarks and vote of thanks.
CO 4	Use audiovisual aids while giving presentations.
Syllabus:	Contents 10 Hours Per Unit
Unit I	Difference between College and Corporate 1. What is corporate? 2. Difference between a college campus and corporate setup 3. Expectations from the fresher's
Unit II	Skills, Attitude and Etiquette 1. Required Skills at the workplace 2. Positive Attitude 3. Workplace etiquette
Unit III	Grooming Skills 1. What are grooming skills? 2. Good habits at workplace 3. How to dress up for corporate?

Handwritten signatures and initials at the bottom of the page.



Activities	1. Assignment: Enlisting the differences between college and corporate with pictures and case studies 2. Preparing PPT presentation on positive attitude 3. Create posters / stickers of expected behavior at workplace 4. Viva voce	
Textbooks / Reference Books:	1. How India Works by Aarti Kelshikar 2. Campus to Corporate by Ashutosh Sharma, V&S Publishers 3. Corporate Administration by R. Sarvamangala and G P Nagesh, Himalaya Publishing House	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	12 VSAQs of 2 marks each based on all three units. (4 VSAQ from each unit) (Best 10 will be evaluated) ($10 \times 2 = 20$ marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	21 MCQs of 2 marks each based on all three units. (7 MCQs from each unit) (Best 20 will be evaluated) ($20 \times 2 = 40$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CAVEC2)
Semester II (VEC 2 – Constitution of India)
(To be implemented from 2025 – 26)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

[Handwritten signatures]



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM2CAVEC2
Course Name	Constitution of India
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	VEC (Value Education Course)
Pre-requisites for the course	• Basic Understanding of Indian History and Politics • Awareness of Civic Responsibilities • Introductory Knowledge of Governance
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Describe the Historical Foundations of the Indian Constitution
CO 2	Analyze the Preamble and Key Constitutional Concepts
CO 3	Evaluate Fundamental Rights, Directive Principles, and Fundamental Duties
CO 4	Assess the Functioning of Constitutional Institution
CO 5	Compare and contrast the nature, scope, and importance of fundamental rights, directive principles, and fundamental duties in shaping citizen-government relationships.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Constructional Values embedded in Constitution A. Preamble Importance and Nature, Values of Socialism, Secularism, Democracy, Justice, Liberty, Equality and Fraternity. B. Salient features State-Central Relationship, Federal Nature, Parliamentary Democracy, and Directive Principles.
Unit II	Citizens and Constitution A. Fundamental Rights and Fundamental Duties of citizens: Nature and Importance. B. Brief introduction of Central Legislature and Executive, State Legislature and Executive, Higher Judiciary
Practical / Activities	1. Preamble Interpretation Poster Activity- Each student or group creates a poster interpreting the Preamble of the Indian Constitution. They should highlight the values (e.g., justice, liberty, equality) and explain them with visuals, quotes, or real-life examples.

Handwritten signatures and initials at the bottom of the page.



	2. Constitution Quiz or Crossword Challenge- Students should participate in a quiz or crossword covering concepts like Fundamental Rights, Duties, Central-State relations, and Directive Principles. 3. Real-life Application of Fundamental Duties- Students to document or perform one Fundamental Duty in their community (e.g., planting trees, respecting national symbols, helping elders) and submit a short reflective report or video. 4. Group Presentation: State vs Centre – Who Does What? Students should be divided into two groups—State Government and Central Government. Each group presents their responsibilities, recent examples of Centre-State coordination or conflict (e.g., in healthcare, education, disaster management).
Textbooks / Reference Books:	1. M. Laxmikant: Indian Polity, Mc Graw hill Publications, Tamil Nadu, 2019 2. Dr. Deepali Bhowate, Vaishnavi Gawande: Constitution of India, 2025, Shree Balaji Prakashan, Nagpur. 3. D.D Basu: Introduction to the constitution of India, Lexis Nexis, 2015. 4. डॉ. देशमुख अलका: भारतीय राष्ट्रीय चळवळ आणि संविधानात्मक सुधारणा, साईनाथ प्रकाशन, नागपूर, २०२५ 5. भोळे भा.ल., 'भारतीय गणराज्याचे शासन आणि राजकारण, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर., 2003 6. जाधव तुकाराम, भारतीय राजकीय व्यवस्थेचा आकृतीबंध, खंड एक, युनिक अकॅडमी, पुणे, 2011 7. फाडीया बी.एल., भारत का संविधान, साहित्य भवन पब्लिशर्स, २०१७

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	1 LAQ of 16 marks or 2 SAQs of 8 marks each based on Unit 1 =16 marks	Activity participation = 10 marks (2 activities x 5 marks)
2.	1 LAQ of 16 marks or 2 SAQs of 8 marks each based on Unit 2 =16 marks	Class Test = 10 marks
3.	1 LAQ of 16 marks based on Unit 1 or 2 SAQs of 8 marks each based on Unit 2 =16 marks	Assignment = 10 marks
4.	3 Short notes of 4 marks OR 6 VSAQs of 2 marks OR 12 MCQs of 1 mark each of all 2 units with no internal choice =12 marks	Viva = 10 marks
	Total: 60 marks	Total: 40 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM2CACCC2)
Semester II (CC - NCC / NSS / Sports / Cultural / LLL)

(02 Credits for 100 Marks)

**As per the guidelines of CC applicable to all UG Program under Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur**

Handwritten signatures and text:
Shandab
Lulu
g. R. Singh



SEMESTER III

Computer Application (Semester III)				Teaching Scheme / Total Hours Per Week			Examination Scheme							
Sr. No	(UG Diploma in Commerce)	Course Type	Course Code	Theory	Practical	Total	Max. Marks (SEE Theory)	Min. Mark (SEE Theory)	Max. Marks (SEE Practical)	Min. Marks (SEE Practical)	Max. Marks (CIE)	Min. Mark (CIE)	Total	Min. Marks
1	Oops With C++	Major	BCOM3CAM3	2	4	6	40	20	20	10	40	20	100	50
2	Computer Network	Major	BCOM3CAM4	4	-	4	60	24	-	-	40	16	100	40
3	Corporate Laws	Minor	BCOM3CAMI3A	3	-	3	60	24	-	-	40	16	100	40
	Personal Financial Planning		BCOM3CAMI3B											
	Financial and Management Accounting		BCOM3CAMI3C											
4	Web designing using HTML	VSC	BCOM3CAVSC3	1	2	3	60	30	40	20	-	-	100	50
5	ITR Filing Process	SEC	BCOM3CASEC3	1	2	3	40	20	40	20	20	10	100	50
6	Hindi	AEC	BCOM3CAAEC3A	1	2	3	60	24	-	-	40	16	100	40
	Marathi		BCOM3CAAEC3B											
7	Digital Wellness	OE	BCOM3CAOE4	2	-	2	60	24	-	-	40	16	100	40
8	NCC / NSS / Sports / Cultural / LLL	CC	BCOM3CACCC3	-	4	4	-	-	-	-	100	50	100	50
Total				14	14	28	380	166	100	50	320	144	800	360

Minimum Passing Marks for theory 40% i.e. 40 & Minimum Passing Marks for Practical 50% i.e. 50
Course Type: Major, Minor, VSC, SEC, VEC, IKS, AEC, OJT/RP/CEP/Internship, OE.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAM3)
Semester III (Major – Oops with C++)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAM3
Course Name	Oops with C++
No. of Credits	04 (Theory-2, Practical-2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 Marks (Min passing marks – 20 + 10 + 20 = 50)
Group under NEP scheme	Major
Pre-requisites for the course	-

Course Outcomes: *The students will be able to:*

CO 1	Define the characteristics of procedure and object oriented programming languages.
CO 2	Understand and demonstrate basic elements like control statements, arrays, strings, pointers and functions.
CO 3	Develop programs using the concepts of class, object, constructor, destructors, and inheritance.
CO 4	Analyze and synthesize a complete program using the concepts of overloading functions and operators, polymorphism and virtual functions, data file operations.
CO 5	Choose the right data representation formats based on the requirements of the problem

Syllabus:	Contents	15 Hours Per Unit
Unit I (23 Hours)	Introduction to Object Oriented Programming: Introduction, What is Object Oriented Programming(OOPs)?, Structured Procedural programming(SPP), Object Oriented Programming OOP, Characteristics of OOPs, Advantages of OOPs, Disadvantages of OOPs, Comparison of SPP and OOP, Steps in Developing OOP Programs, Structure of Object Oriented Programs, Object Oriented Languages, Importance of C++. Data Types, Operators and Expressions: Identifiers & Keywords, Data Types, C++ Simple Data Types, Literals, Variables, the Const Data type, C++	

Handwritten signatures and initials at the bottom of the page.



	Operators, Type Conversion. Input and Output Streams: Comments, Declaration of Variables, the Main () Function, Simple C++ Programs, Program Termination, Features of I/O Stream, Keyboard and Screen I/O, Manipulator Functions, Input and Output (I/O) Stream Flags. Control Statements: Conditional Expressions, Loop Statements, Nested Control Structures, Breaking Control Statements.
Unit II (23 Hours)	Function and Program Structures: Introduction, Defining a Function, Return Statement, Types of Functions, Actual & Formal Arguments, Local & Global Variables, Default Arguments, Structure of C++ Program, Order of the Function Declaration, Manually invoked Functions, Nested Functions, Scope Rules, Side Effects, Storage Class Specifiers, Recursive Function, Pre-processors, Header Files, Standard Functions. Arrays: Introduction, Array Notation, Array Declaration, Array Initialization, Processing with Arrays, Character Array. Pointers and Strings: Introduction, Pointer Arithmetic, Pointers and Functions, Pointers and Arrays, Pointer and Strings. Structures and Unions: Introduction, Declaration of Structure, Processing with Structures, Initialization of Structures, Functions and Structures, Array of Structure, Pointer and Structure, Unions.
Unit III (22 Hours)	Classes and Objects: Introduction, Structures and Classes, Declaration of Class, Member Functions, Defining the Object of a Class, Accessing a Member of Class, Array of Class Objects, Pointer and Classes. Special Member Function: Introduction, Constructors, Destructors, Inline Member Functions, Static Class Members, Friend Function, This Pointer. Single and Multiple Inheritances: Introduction, Single Inheritance, Types of Base Classes, and Type of Derivation, Multiple Inheritance and Member Access Control.
Unit IV (22 Hours)	Overloading Functions and Operators: Function Overloading, Operator Overloading, Overloading of Binary Operators, Overloading of Unary Operators. Polymorphism and Virtual Functions: Polymorphism, Virtual Functions, Pure Virtual Functions, Abstract Base Classes, Virtual Base Classes.
Textbooks / Reference Books:	Text Book: 1. D. Ravichandran, Programming with C++, McGraw-Hill.

Handwritten signatures and initials:
Dandak
Sulini
Jaya

**Reference Books:**

1. E. Balaguruswami, Object Oriented Programming with C++, McGraw-Hill.
2. RohitKhurana, Object Oriented Programming with C++, Vikash Publishing House Pvt. Ltd.
3. Anirban Das, GoutamPanigrahi, Object Oriented Programming with C++, Vikash Publishing House Pvt. Ltd.
4. Herbert Schildt, The Complete Reference – C++, McGraw-Hill.VB 6.0

Evaluation Pattern:

Sr. No	Theory (40 marks)	Practical (20 Marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 marks)	Practical 1 – 05 Marks Practical 2 - 05 Marks File – 05 Marks Viva- Voce – 05 Marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) Assignment 1 – 5 Marks Assignment 2 - 5 Marks Class Activity / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 marks	Total: 20 marks	Total: 40 marks

Practical List:

Sr. No.	Practical
1.	Write an algorithm, draw a flowchart and develop a C++ program to print the sum and product of digits of an integer.
2.	Write an algorithm, draw a flowchart and develop a C++ program to reverse of a number.
3.	Write an algorithm, draw a flowchart and develop a C++ program to compute the sum of the first n terms of the follow series $s=1+1/2+1/3+1/4+.....$
4.	Write an algorithm, draw a flowchart and develop a C++ program to compute the sum of the first n terms of the follow series $s=1-2+3-4+5.....$
5.	Write an algorithm, draw a flowchart and develop a C++ function that checks whether a given string is palindrome or not.

Handwritten signatures and marks at the bottom of the page.



6.	Write an algorithm, draw a flowchart and develop a C++ program to print a triangle of stars as follows (take number of lines from the user): <pre>* *** ***** ***** *****</pre>
7.	Write an algorithm, draw a flowchart and develop a C++ program to swaps two numbers using pointers.
8.	Write an algorithm, draw a flowchart and develop a C++ program to find whether a given number is prime or not. Use the same to generate prime numbers less than 100.
9.	Write an algorithm, draw a flowchart and develop a C++ program to demonstrate the use of single inheritance.
10.	Write an algorithm, draw a flowchart and develop a C++ program to find largest among two values using friend function.
11.	Write an algorithm, draw a flowchart and develop a C++ program in which a function is passed address of two variables and then alter its contents.
12.	Write an algorithm, draw a flowchart and develop a C++ program to display Fibonacci series using recursion.
13.	Write an algorithm, draw a flowchart and develop a C++ program to calculate factorial of a number using recursion.
14.	Write an algorithm, draw a flowchart and develop a C++ program to demonstrate the use of this pointer.
15.	Write an algorithm, draw a flowchart and develop a C++ program to perform unary operator overloading.

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAM4)
Semester III (Major – Computer Network)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures:
Shandak
Suh
Jing



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAM4
Course Name	Computer Network
No. of Credits	04
Teaching Hours	60
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Major
Pre-requisites for the course	• Basic understanding of working of computers • Understanding the role of devices like routers, switches, and hubs in a network.

Course Outcomes: *The students will be able to:*

CO 1	Understand and use information of basic concepts of Computer Network.
CO 2	Understand and differentiate between different protocols.
CO 3	Get detailed knowledge about the various types of transmission media and their uses.
CO 4	Gain valuable skills in computer networks like switching, routing by using all connectivity devices.
CO 5	Use different Network Connectivity Devices

Syllabus:	Contents	15 Hours Per Unit
Unit I	Basics of Computer Network: Computer Network, Uses of Computer Networks, Business application, Home application, Mobile users, Social issues, Network Topology and their various Types, Analog Signals, Digital Signals, Transmission impairment, Data Rate Limits, Performance, Digital Transmission, Digital-to-Digital Conversion, Analog-to-Digital Conversion, Analog Transmission, Digital-to-Analog Conversion, Analog-to-Analog Conversion. Types of Network: LAN, MAN, WAN. Server Based LANs & Peer-to-Peer LANs, Communications Types: Synchronous, Asynchronous, Client-Server Architecture.	
Unit II	Network Models: Design Issues of the Layer, Protocol Hierarchy, and ISO-OSI Reference Model: Functions of each Layer, Various Terminology used in Computer Network, Connection Oriented & Connectionless Services, and Internet. Internet transport layer protocols: UDP and TCP. UDP- Introduction to UDP, Remote Procedure Call, Real-Time Transport Protocol. TCP/IP Reference Model, Comparison of ISO-OSI and TCP/IP Model	
Unit III	Transmission Media: Media - Guided Media (Wired), Coaxial Cable, Physical Structure, Standards, BNC Connector, Applications, Twisted Pair, Physical Structure, UTP vs. STP, Connectors, Applications, Fiber Optics Cable: Physical Structure, Propagation Modes (Single Mode & Multimode), Fiber Sizes, Connectors, Applications, Advantages & Disadvantages, Unguided	

Handwritten signatures and marks at the bottom of the page.



	Media(Wireless): Electromagnetic Spectrum for Wireless Communication, Propagation Methods, (Ground, Sky, Line-of-Sight), Wireless Transmission, Radio Waves, Infrared, Micro-wave.
Unit IV	Network Connectivity Devices: Switching, Circuit-Switched Networks, Telephone Networks, Dial-up Modems. Categories of Connectivity Devices, Hub-Passive and Active Hubs, Repeaters, Bridges, Switch-Router, Gateways, Network Security Devices (Firewalls, Proxy Servers); Internet Basics- Internet: Growth, Architecture, Accessing, Internet Service Providers (ISP), Internet Addressing System: IP Address, DNS, URL; World Wide Web (WWW): Web Servers, Web Browsers, Search Engine; Concept of Intranet & Extranet.
Textbooks / Reference Books:	Text Books: A. S. Tanenbaum (2003), Computer Networks, 4th edition, Pearson Education/ PHI, New Delhi, India. Reference Books: Behrouz A. Forouzan (2006), Data communication and Networking, 4th Edition, Mc Graw-Hill, India. Kurose, Ross (2010), Computer Networking: A top down approach, Pearson Education, India

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs or 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

OR

Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Handwritten signatures and marks at the bottom of the page.



Major in Computer Application (Course Code: BCOM3CAMI3A)
Semester III (Minor - Corporate Laws)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAMI3A

Handwritten signatures and initials:
chandel
J. P. Singh



Course Name	Corporate Laws
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	• Company lifecycle knowledge • Basic understanding of company structure
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Design the process of Incorporation of a Company
CO 2	Compare and analyses the components of capital structure and the earnings thereof
CO 3	Familiarize with company administration processes and the role of managerial personnel
CO 4	Acquire practical knowledge about corporate decision-making process and conduction of meet
CO 5	Understand the liquidation process and analyses the role of liquidator in the process of winding up of the company
Syllabus: Contents	
Unit I (11 Hours)	Meaning and Incorporation of Company Meaning, Definition, characteristics and types of companies; Incorporation of a company; Role and legal position of the promoter; Lifting of the corporate veil. • Memorandum of Association; Articles of Association; Meaning, purpose and contents; Alteration, Doctrine of Ultra Vires and Indoor management. • Prospectus: Meaning, Types and misrepresentation in a prospectus
Unit II (11 Hours)	Shares, Share Capital, Debentures and Dividend Shares and Debentures: Definition, Types, Transfer and Transmission, Register of Members; Share Capital: Meaning, Alteration, Voting Right • Debenture: Definition, Types, Rules Regarding Issue of Debenture, Register of Debenture holders, Charges and their types • Rules regarding declaration and distribution of dividends; Investors Education and Protection Fund • Provisions relating to Audit, Auditors' Appointment, Rotation of Auditors, Auditors' Report, Secretarial Audit
Unit III (11 Hours)	Company Administration Director (Concept and Definition) Qualification, Disqualification, Appointment, Rights, Duties, Liabilities, Removal and Resignation of Director, Managing Director, Whole time Directors, Director Identification Number (DIN) • Small shareholders' director, Resident Director, Alternate Director, Independent Director, and Women director. • Company Secretary: Appointment, Duties and Power
Unit IV	Corporate Meetings and Winding Up

Handwritten signatures and initials at the bottom of the page.



(12 Hours)	Corporate Meetings: Shareholder and Board, Types of Meetings, Requisite of Valid Meeting: Notice, Agenda, Chairman, Quorum, Proxy, Resolutions, Minutes, Postal Ballot, E-voting, Video Conferencing, Resolution- kinds, Winding Up meaning: The Insolvency and Bankruptcy Code, 2016, an overview; Modes of winding up: Winding up by Tribunal, Circumstances for Compulsory winding up, petition for winding up, Company Liquidator, Consequences of winding up order, Voluntary liquidation of Corporate persons	
Textbooks / Reference Books:	1. N D Kapoor, Elements of Company Law, Sultan Chand Publishers 2. Gogna, P.P.S, Company Law, S. Chand 3. MC Kuchhal, Corporate Laws, Shri Mahaveer Book Depot (Publishers). 4. G.K. Kapoor& Sanjay Dhamija, Company Law, Bharat Law House	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs or 3 VSAQs from each unit) (Best 10 will be evaluated) (10 × 2 OR 10 × 2 = 20 marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

OR

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAMI3B)
Semester III (Minor – Personal Financial Planning)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAMI3B
Course Name	Personal Financial Planning
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	• Understand the basic meaning of Planning • Aware about basic word used in personal financial planning
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Explain the fundamentals of personal financial planning and its importance in achieving financial security and long-term financial goals.
CO 2	Explain and calculate the future and present values of ordinary annuities and annuities due.
CO 3	Analyze the wide-ranging scope of financial planning, including tax planning, retirement, insurance, investments, and estate planning.
CO 4	Distinguish between consumption and investment expenditures and evaluate their impact on personal finances.
CO 5	Understand various types of personal debt and develop strategies to manage and reduce debt effectively.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Introduction to personal financial planning • Concept of financial planning. • Need for financial planning • Scope of financial planning • Concept of assets liabilities and net worth • Financial planning process.
Unit II	Time value of money • Concept of annuity • Concept of perpetuity
Unit III	Evaluating the financial position of clients • Cash flow management in personal finance • Know about preparation of household budget • Cash inflows and out flows • Know about budgeting and forecasting • Creating a budget and saving plan • Evaluation of financial position of clients
Unit IV	Debt management and loans • Need of Debt • Role and impact of Debt in cash flow management.

Handwritten signatures and initials at the bottom of the page.



	● Difference between consumption expenditure and investment expenditure. ● Leverage and Debt counselling ● Calculation of depth servicing requirement ● Concept of secured and unsecured loans ● Types of borrowing ● Various loan calculation	
Textbooks / Reference Books:	1. Indian Financial System and Financial Planning M. Y. Khan Publisher: McGraw Hill Education (India) 2. CFP Certification Study Guide – Kaplan or Dalton Education 3. Web-based tools like Investopedia, NISM Modules (Ind.)	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ / Numerical of 10 marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units.(3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10 × 2 OR 10 × 2 = 20 marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

OR

[Handwritten signatures]



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAMI3C)
Semester III (Minor –Financial and Management Accounting)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Shandak
hlu
7/10/24



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAMI3C
Course Name	Financial and Management Accounting
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	Ability to interpret balance sheets, income statements, and cash flow statements
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Comprehend the concept, features, merits, and demerits of the hire purchase system.
CO 2	Understand the process of formulating accounting standards, including IFRS convergence, and apply them in financial statement preparation
CO 3	Compute and interpret various financial ratios to assess a company's performance and financial health.
CO 4	Develop competency of decision making while working on balance sheet.
CO 5	Apply various accounting principles in company financial affairs.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Hire Purchase Accounts:- Meaning of Hire Purchase Account, Features Merit and Demerit of Hire Purchase System, distinction between Hire Purchase and Installment System Note: Excluding Installment System, only problem on Hire Purchase System
Unit II	Introduction of Accounting Standard:- Process of formulation of Accounting Standards including and as (IFRS converges standard) & IFRS objective and carve outs Framework for preparation and presentation of financial statement (as per Accounting Standard)
Unit III	Ratio Analysis 1 :- Meaning, Importance and Limitation of Ratio Analysis classification, Objectives of Ratio Analysis. Computation of Ratio Ratio, profitability Ratio 1) Gross Profit Ratio 2) Net Profit ratio 3) Operating ratio 4) Operation Expenses Ratio 5) Stock Turnover Ratio 6) Expenses Ratio

Handwritten signatures and marks at the bottom of the page.



Unit IV	Ratio Analysis 2 (Special Ratio only Based on Balance Sheet) 1) Current Ratio 2) Acid Test/ Liquid Ratio 3) Leverage ratio 4) Activity efficiency Ratio 5) Market Value Ratio	
Textbooks / Reference Books:	1. Advanced Accounts" by R.L. Gupta & M. Radhaswamy 2. "Advanced Accountancy" by S.C. Sharma 3. "Corporate Accounting" by S.P. Jain & K.L. Narang 4. "Financial Accounting" by T.S. Grewal 5. "Financial Statement Analysis" by K. R. Subramanyam	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ / Numerical of 10 marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR12 VSAQs of 2 marks each based on all four units.(3 MCQs / 3 VSAQs from each unit) (Best 10 will be evaluated) (10 × 2 OR 10 × 2 = 20 marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

8 elandeh
Lulu
J.P. Singh



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAVSC3)
Semester III (VSC 3 – Web Designing using HTML)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAVSC3
Course Name	Web Designing using HTML
No. of Credits	02 (Theory-1, Practical-1)
Teaching Hours	15+30=45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks</i> - 30) + 40 (Practical Examination – <i>Min passing marks</i> - 20) = 100 marks (Min passing marks – 30 + 20 = 50)
Group under NEP scheme	VSC (Vocational Skill Course)
Pre-requisites for the course	Basic knowledge of web Sites
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Define HTML and common terminology related to HTML
CO 2	Design web pages using heading, fonts & styles and to create hyperlinks on the web page.
CO 3	Create lists and tables on Web Page
CO 4	Design web pages with partitions and create forms for the web pages.
CO 5	Build a static Web Site
Syllabus: Contents	
Unit I (11 Hours)	Introduction to HTML: HTML - Concept, meaning, History of HTML, HTML tags and attributes; Tags v/s elements, HTML Generations, HTML Documents, Sample Html Documents. Header and Body Sections: Header Section, Title, Prologue, Links, Colorful Web Page, Comment Lines, Structure of HTML
Unit II (11 Hours)	Heading Printing, Aligning the Headings, Horizontal Rule, Paragraph Tab Setting, Font setting, preformatted text, Image and Pictures, Embedding PNG Format Images, physical style, logical style Anchor Tag, Hyper Links, types of linking.
Unit III (11 Hours)	Ordered and Unordered Lists: Lists, Unordered Lists, Headings in a List, Ordered Lists, Nested List. Table Handling: Table, Table Creation in HTML, Width of the Table and Cells, Cells Spanning Multiple Rows/Columns, Coloring Cells, Columns Specification.
Unit IV (12 Hours)	Frames: Frameset Definition, Frame Definition, Nested Framesets. Forms: Action Attribute, Method Attribute, Creating Simple forms using -Textbox, Password, Checkbox, Radio button, button, dropdown. <div>, Class and id attributes, <nav>, <meta> tag.
Textbooks/ Reference Books:	Reference Book: HTML: The Complete Reference, Fifth Edition , Thomas Powell

Handwritten signatures and initials:
B. [Signature]
[Signature]
[Signature]
[Signature]

**Evaluation Pattern:**

Sr. No.	Theory (60 marks)	Practical (40 marks)
1.	32 MCQs of 2 marks each based on all four units. (8 MCQs from each unit) (Best 30 will be evaluated) (30 × 2 = 60 Marks)	Practical 1 = 10 Marks Practical 2 = 10 Marks Practical File = 10 Marks Class Activity / Viva –Voce = 10 Marks
	Total: 60 marks	Total: 40 marks

PRACTICAL LIST

1. Write a programming HTML to link two files. Then name of the first file is LINK1.HTML and that of second file is LINK2.HTML. LINK2.HTML should contain a Backlink also.
2. Write a programing HTML to design a table containing 5 columns and 4 rows. The name of the columns should be ENO, NAME, DESIGNATION, SALARY and CITY. Illustrate the usage of cell padding and cell spacing. Also align the Table to the CENTER of the page.
3. Write a program in HTML to illustrate the usage of ROWSPAN in the below given format.

CITT	TOWN
NAGPUR	SHANKARNAGAR
	DHARAMPETH
	RAMDASPETH
BOMBAY	DADAR
	V.T.
	THANE

4. Write a program in HTML to divide the Screen in to 4 sections.
5. Write a program in HTML to demonstrate the usage of Marquee text with the below given Specifications.
 - Marquee text is INTERNATIONALCOLLEGE.
 - Color of text is BLUE.
 - Background color is YELLOW.
 - Size of Text is 7.

Handwritten signatures and marks at the bottom of the page.



• Direction is LEFT to RIGHT.
6. Write a program in HTML to demonstrate the usage of Image file with the below given specification.

- Background color of page is GREEN.
- The size of Image is 400 x 400 pixels.
- The Image should contain a border.
- Alternate text is "IMAGENOTFOUND".
- Image should appear on the Centre of the page.

7. Write a program in HTML to design the form given below:

User Information Form

First Name:		
Last Name:		
Gender:		
☐ Male		
☐ Female		
☐ Other		
Hobbies:		
☐ Reading	☐ Traveling	☐ Gaming
SUBMIT		RESET

8. Write a program in HTML to create the following list:

- Computer
 - A. Hardware
 - 1. SMPS
 - 2. HARD DISC
 - 3. FAN
 - B. Software
 - MS-OFFICE
 - TALLY
 - OPERATING SYSTEM

9. Write a program in HTML to illustrate the below given formats.

- The page should contain a paragraph which is centrally aligned.
- FIRST line of the paragraph should be BOLD and ITALIC.

Handwritten signatures and initials at the bottom of the page.



- STRIKEOUT the Second Line.
- Underline and change the color to RED, of the THIRD line.
- Change the font size of the FOURTH Line to 5.
- Change the color of the text to GREEN.
- Two horizontal lines below the paragraph.

10. Write a program in HTML to demonstrate the use of the Marquee Text with the below given Specifications.

- Marquee Text is INTERNATIONAL COLLEGE.
- Text color is BLUE.
- Repeat the Marquee Text five Times.
- Make use of SCROLLAMOUNT.
- Make use of SCROLLDELAY

Shandak
11



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CASEC3)
Semester III (SEC 3- ITR Filing Process)
(To be implemented from 2024 - 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Handwritten signatures and initials at the bottom of the page.



Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CASEC3
Course Name	ITR Filing Process
No. of Credits	02 (Theory-1, Practical-1)
Teaching Hours	15+30=45
Evaluation Scheme	40 (End Semester Examination – Min passing marks – 20) + 40 (Practical Examination – Min passing marks - 20) + 20 (Continuous Internal Examination – Min passing marks - 10) = 100 marks (Min passing marks – 20 + 20 + 10 = 50)
Group under NEP scheme	SEC (Skill Enhancement Course)
Pre-requisites for the course	• Basic computer knowledge. • Familiarity with MS Office (Excel, Word). • Understanding of internet usage and online portals
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand the applicability and selection of appropriate ITR forms.
CO 2	Collect and organize the required documentation for ITR filing.
CO 3	File ITR online using the income tax e-filing portal.
CO 4	Complete verification, submission, and tracking of filed returns.
Syllabus:	Contents
Unit I (Theory: 11 Hours Practical: 11 Hours)	Overview of Income Tax Returns and ITR Forms Theory: • Basics of Income Tax: PAN, TAN, Assessment Year, Previous Year • Who should file an ITR? Benefits and consequences of non-filing • Types of ITR forms: ITR-1 (Sahaj), ITR-2, ITR-3, ITR-4 (Sugam), ITR-5, ITR-6 • Due dates for filing • Documents required: Form 16, bank statements, rent receipts, investment proofs Practical: • Identifying the correct ITR form based on taxpayer profiles



	• Downloading ITR utilities and understanding the Excel/Java/online interfaces • Using pre-filled data on the income tax portal		
Unit II (Theory: 11 Hours Practical: 12 Hours)	Practical E-Filing Process and Acknowledgment Theory: • Step-by-step ITR e-filing procedure (portal overview: https://www.incometax.gov.in) • Income details: salary, house property, capital gains, business/profession • Deductions under Chapter VI-A (80C to 80U) • TDS and Form 26AS reconciliation • ITR verification methods: Aadhaar OTP, EVC, Digital Signature Practical: • Filing ITR-1 for salaried individual (with/without house property and deductions) • Filing ITR-4 for presumptive income using Section 44AD • Generating and downloading ITR-V • E-verification of return using Aadhaar or Net Banking • Tracking refund status		
Textbooks / Reference Books:	1.Income Tax Department's E-Filing Portal: https://www.incometax.gov.in 2.ICAI Students' e-learning materials on Taxation 3.Practical Income Tax Guide by T.N. Manoharan or Girish Ahuja (selected chapters) 4.YouTube Channels / Government Webinars on ITR filing		
Evaluation Pattern:			
S. No	Theory (40 marks)	Practical (40 Marks)	CIE (20 marks)
1.	10 MCQs on each unit 2 Marks × 20 MCQs = 40 Marks	1 Practical on each unit 4 × 10 Marks = 40 Marks	CIE 1(carry 5 marks) CIE 2 (carry 5 marks) Class Activity / Presentation / Viva-Voce (carry 10 marks)

Shandak *Subin* *7/10/19*



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAAEC3A)
Semester III (AEC 3 - Hindi)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical

Handwritten signatures and initials at the bottom of the page.



practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAAEC3A
Course Name	Hindi - मशीनीकृत कार्यालयीन हिंदी
No. of Credits	02 (Theory – 1, Activity – 1)
Teaching Hours	15+30=45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	AEC (Ability Enhancement Course)
Pre-requisites for the course	- विद्यार्थी टाइपिंग कला के स्वरूप से परिचित हैं। - विद्यार्थी प्रूफ शोधन की आवश्यकता जानते हैं।
Course Outcomes: <i>The students will be able to:</i>	
CO 1	टायपिंग के अंतर्गत भाषा और गति को जान पाएंगे।
CO 2	टाइपराइटर के अक्षर विन्यास व स्वर विन्यास का उपयोग कुशलता से करेंगे।
CO 3	प्रूफ शोधन के महत्व एवं उपयोगिता को समझेंगे।
Syllabus:	Contents 15 Hours Per Unit
Unit I	टायपिंग - अर्थ-परिभाषाएं - प्रकार (भाषा और गति के आधार पर) Activity: 1. किन्हीं दो कहानियों को टंकित किया जाएगा।
Unit II	टायपिंग - अक्षर-विन्यास (तकनीकी प्रशिक्षण) - स्वर-विन्यास (तकनीकी प्रशिक्षण) Activity : 1. टंकित कहानियों पर प्रूफ प्रतियोगिता, व्याख्यान लिए जाएंगे।
Unit III	प्रूफ शोधन - अर्थ-परिभाषा - प्रक्रिया-सोपान

Chandak
Indu Singh



	• प्रूफ-शोधन संकेत • प्रूफ-शोधन : महत्व एवं उपयोगिता Activity: 1. प्रूफ के सोपानों को पोस्टर द्वारा प्रस्तुत किया जाएगा । 2. प्रूफ-शोधन संकेतों पर आधारित पोस्टर बनाया जाएगा ।	
Textbooks / Reference Books:	• प्रशासनिक हिन्दी - डॉ. महेश चंद्र गुप्त, लोकभारती प्रकाशन • कार्यालय प्रबंधन – डॉ. सी. बी. गुप्ता, साहित्य भवन पब्लिकेशन • कार्यालयीन हिन्दी और तकनीकी शब्दावली	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit I (2×8 OR 1×16) = 16 Marks	Online and Offline classroom participation of the student during a particular semester = 10 Marks
2.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit II (2×8 OR 1×16) = 16 Marks	An assignment / PPT based on curriculum to be assessed by the teacher concerned = 10 Marks
3.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit III (2×8 OR 1×16) = 16 Marks	CIEs = 10 Marks
4.	12 MCQs of 1 mark or 6 VSAQs of 2 marks each based on all three units with no internal choice (12×1 OR 6×2) = 12 Marks	Performance Based Activities conducted by the teacher concerned / Viva voce = 10 Marks
	Total: 60 marks	Total: 40 marks

OR

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAAEC3B)
Semester III (AEC 3 - Marathi)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

[Handwritten signatures]



Program Code	BCOMCA	
Program Name	B.Com. (Computer Application)	
Course Code	BCOM3CAAEC3B	
Course Name	Mararhi - भाषिक कौशल्य विकास - भाग २	
No. of Credits	02 (Theory – 1, Activity– 1)	
Teaching Hours	15+30=45	
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)	
Group under NEP scheme	AEC (Ability Enhancement Course)	
Pre-requisites for the course	- अस्खलित बोलणे - व्याकरणानुसार, साधी - सोपी आणि सुलभ भाषा वापरण्याची जाण	
Course Outcomes: <i>The students will be able to:</i>		
CO 1	भाषिक अंगाने व्यक्तिमत्त्व विकासाचे पैलू लक्षात घेतील.	
CO 2	वाचिक अभिनय व अभिवाचनाची कौशल्ये जाणून घेतील.	
CO 3	बातमी वाचन, वृत्तनिवेदन, मुलाखत, चर्चा संयोजन ही कौशल्ये समजून घेतील.	
Syllabus: Contents 15 Hours Per Unit		
Unit I	प्रसार माध्यमांसाठीची कौशल्ये आणि व्यक्तिमत्त्व विकास	
Unit II	भाषण, वक्तृत्व, निवेदन आणि अभिवाचन कौशल्ये	
Unit III	दृकश्राव्य माध्यमांसाठीची आवश्यक कौशल्ये : बातमीवाचन, वृत्तनिवेदन, मुलाखत, चर्चासंयोजन	
Textbooks / Reference Books:	अभ्यासग्रंथ - व्यावहारिक मराठी, ल. रा. नसिराबादकर, भाषाविकास संशोधन संस्था, कोल्हापूर, २०२२	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit I (2×8 OR 1×16) = 16 Marks	Online and Offline classroom participation of the student during a particular semester = 10 Marks
2.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit II (2×8 OR 1×16) = 16 Marks	An assignment / PPT based on curriculum to be assessed by the teacher concerned =10 Marks
3.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit III (2×8 OR 1×16) = 16 Marks	CIEs = 10 Marks
4.	12 MCQs of 1 mark or 6 VSAQs of 2 marks each based on all three units with no internal choice (12×1 OR 6×2) = 12 Marks	Performance Based Activities conducted by the teacher concerned / Viva voce = 10 Marks
	Total: 60 marks	Total: 40 marks



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CAOE4)
Semester III (OE 4 – Digital Wellness)
(To be implemented from 2025 – 26)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Shandale
Shikshan Mandal



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM3CAOE4
Course Name	Digital Wellness
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	OE (Open Elective)
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Define digital wellness and identify key dimensions of digital health.
CO 2	Evaluate their own digital habits and their effects on well-being.
CO 3	Implement time management and digital detox techniques
CO 4	Demonstrate safe and ethical behavior in digital environments.
Syllabus:	Contents
Unit I (7 Hours)	Introduction to Digital Wellness • Definition and scope of digital wellness • Attention & Distraction • Evolution of digital lifestyles • Achieving Attention through Yoga • Stimulation Vs. Relaxation • Importance of digital balance in academic, professional, and personal life • WHO and global perspectives on screen time and digital health • Attention Enhancers
Unit II (8 Hours)	Impacts of Excessive Digital Usage on Brain • Basics of Brain • Concept of Neuroplasticity, Switching Penalty and Neuro-Associative Conditioning • Physical health: eye strain, poor posture, sleep disruption • Mental health: anxiety, depression, digital addiction • Social impacts: isolation, reduced attention span, digital burnout • Digital Mindset • Importance of Brain's Downtime • Case studies and real-life examples

Handwritten signatures and initials:
Jandale, [Signature], [Signature]



Unit III (7 Hours)	Strategies for Digital Well-being • Importance of relaxation • Brain rot • Positive self-talk • Overcoming Cognitive Distortions • Time management tools and screen time trackers • Science of Sleep • Mindful digital practices: single-tasking, scheduled breaks	
Unit IV (8 Hours)	Science of Addiction & Digital Detox • Habits and addiction • Harnessing the power of neuroplasticity • Role of hobbies, exercise, and nature in digital balance • Digital detox: planning and implementation • 7 week Digital wellness plan • Online safety, privacy, and data protection • Cyberbullying, trolling, and emotional safety • Ethical use of digital platforms • Building positive digital identity and responsible sharing	
Textbooks / Reference Books:	1. Digital Wellness by Bramhakumaris 2. Cal Newport – Digital Minimalism 3. Catherine Price – How to Break Up with Your Phone 4. WHO Guidelines on Screen Time 5. Common Sense Media reports on digital usage	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8 × 5 OR 4 × 10 = 40 Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs OR 3 VSAQs from each unit) (Best 10 will be evaluated) (10 × 2 OR 10 × 2 = 20 marks) OR	Assignment 1(carry 5 Marks) Assignment 2(carry 5 Marks) Class Activity / Presentation/ Viva-Voce (carry 20 Marks)
3.	MCQ / VSAQ / Match the pair / fill in the blanks 30 x 2 = 60 Marks	
	Total: 60 marks	Total: 40 marks



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM3CACC3)
Semester III (CC - NCC / NSS / Sports / Cultural / LLL)

(02 Credits for 100 Marks)

**As per the guidelines of CC applicable to all UG Program under Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur**

Handwritten signatures and marks at the bottom of the page.



SEMESTER IV

Computer Application (Semester IV)				Teaching Scheme / Total Hours Per Week			Examination Scheme								
Sr. No	(UG Diploma in Commerce)	Course Type	Course Code	Theory	Practical	Total	Max. Marks (SEE Theory)	Min. Mark (SEE Theory)	Max. Marks (SEE Practical)	Min. Marks (SEE Practical)	Max. Marks (CIE)	Min. Mark (CIE)	Total	Min. Marks	Credit
1	Database Management System	Major	BCOM4CAM5	4	-	4	60	24	-	-	40	16	100	40	4
2	CSS and JS	Major	BCOM4CAM6	2	4	6	40	20	20	10	40	20	100	50	4
3	Micro Economics	Minor	BCOM4CAMI4	3	-	3	60	24	-	-	40	16	100	40	3
4	Office Assistant	SEC	BCOM4CASEC4	1	2	3	40	20	40	20	20	10	100	50	2
5	English	AEC	BCOM4CAAEC4	1	2	3	60	24	-	-	40	16	100	40	2
6	E-Commerce and M-Commerce	OE	BCOM4CAOE5	2	-	2	60	24	-	-	40	16	100	40	2
7	Community Engagement Project	CEP	BCOM4CACEP	-	4	4	-	-	60	30	40	20	100	50	2
8	NCC / NSS / Sports / Cultural / LLL	CC	BCOM4CACC4	-	4	4	-	-	-	-	100	50	100	50	2
		Total		13	16	29	320	136	120	60	360	164	800	360	21

Minimum Passing Marks for theory 40% i.e. 40 & Minimum Passing Marks for Practical 50% i.e. 50
Course Type: Major, Minor, VSC, SEC, VEC, IKS, AEC, OJT/RP/CEP/Internship, OE.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CAM5)
Semester IV (Major – Database Management System)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical

[Handwritten signatures]



practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM4CAM5
Course Name	Database Management System
No. of Credits	04
Teaching Hours	60
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Major
Pre-requisites for the course	• Familiarity with Programming Concept • Understanding operators and relationships
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand and compare database management system with Conventional file system.
CO 2	Demonstrate the basic elements of a relational database management system
CO 3	Design database by analyzing different database models for real life situations.
CO 4	Understand the database design principles.
CO 5	Reduces redundancy and inconsistency for the given table using normalization.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Introduction to database: Data, Information, Metadata, Data dictionary, Database, Components of a database, DBMS, Components of DBMS, Traditional File System Versus Database Systems, Disadvantages of traditional file system, Database systems, Advantages and Disadvantages of database systems, DBMS Users, Schemas, Subschema and Instances, Three Level Architecture of Database Systems (DBMS), Data independence.
Unit II	Data Model: Types of data models, Codd's rules, Comparison of various data models, E-R Models, Basic concepts, Types of Attributes, Relationship Sets,

Handwritten signatures and marks at the bottom of the page.



	Degree of relationship sets, Mapping cardinalities, Keys, Types of keys, Entity—Relationship Diagram, Advantages and Limitation of E-R model, Types of Entity Sets. Enhanced Entity-Relationship (EER), Superclass and subclass entity types, Specialization, Generalization, Attribute inheritance, Aggregation.
Unit III	Database Design: Introduction, Steps of Database Design, Normalization, Case Problem, Data Volume and Usage Analysis, Integrated Case Study-Database Design for Academic institution. Implementation Design: Introduction, Implementation Design
Unit IV	Normalization: Benefits of normalization, Functional dependency, First, Second, Third normal and BCCNF normal form. De-normalization, advantages and disadvantages of De-normalization.
Textbooks / Reference Books:	Text Books: 1. Introduction to Database Management System (Second Edition) by Satinder Bal Gupta and Aditya- Mittal, Laxmi Publications pvt.Ltd. 2. R. Panneerse Ivan, Database Management Systems, PHI Publication. Reference Books: 1. Database System Concepts, 7th Edition By Abraham Silberschatz, Henry F.korth S. Sudarshan McGraw Hill Education. 2. Database Management Systems (Third Edition) by Johannes Gehrke and F Raghunathan Ramkrishnan, McGraw Hill Education. 3. An Introduction to Database Systems by Bipin C. Desai, Galgotla Publication.

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $4 \times 10 = 40$ marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs OR 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CAM6)
Semester IV (Major – CSS and JS)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

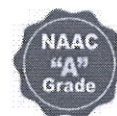
Graduates will demonstrate technical proficiency, problem-solving skills, and ethical



practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM4CAM6
Course Name	CSS and JS
No. of Credits	04 (Theory-2, Practical-2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 Marks (Min passing marks – 20 + 10 + 20 = 50)
Group under NEP scheme	Major
Pre-requisites for the course	Basic understanding of HTML Tags
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Apply Cascading Style Sheet while developing Web Pages
CO 2	Demonstrate the ability to format and represent fonts in effective manner
CO 3	Use different Data Types, Conditional Statements and Looping Statements to make Web Pages Interactive.
CO 4	Create the Interactive Web Pages by Using Functions, Arrays and Events in JavaScript
CO 5	Demonstrate different events and objects in their web pages
Syllabus: Contents	
Unit I (23 Hours)	Introduction to HTML: Tags and Attributes, Basic HTML Syntax. CSS- Overview, Introduction, Advantages, Versions, Creation and maintenance of CSS, CSS Syntax, Type Selectors, Universal Selectors, Descendant Selectors, Class Selectors, ID Selectors, Child Selectors, Attribute Selectors, Multiple Style Rules, Grouping Selectors, CSS –Inclusion - Embedded CSS - The Element, Attributes, Imported CSS - @ImportRule, CSS Rules Overriding, CSS

Handwritten signatures and initials:
ehandali
Lulu
giga



	Comments.
Unit II (23 Hours)	CSS — Measurement Units, COLORS - Hex Codes, Short Hex Codes, RGB Values, Building Color Codes, Browser Safe Colours. CSS — BACKGROUND, CSS FONTS – Setting of Font Family, Style, Variant, Weight, Size, Size Adjust, Stretch, Shorthand Property. CSS TEXT Setting of Text Colour, Direction, Indent, Alignment, DECORATING THE TEXT – Setting of White Space Between Text, Text Cases, Text Shadow, CSS BORDERS - Color Property, Style Property, Width Property, Border Properties Using Shorthand.
Unit III (22 Hours)	Java Script - Introduction, Internal Vs. External Scripts, Internal JavaScript Code, Understand the JavaScript Language & the Document Object Model. Variable Declaration, Operators, Types of Operators: Arithmetic Operators, Assignment Operators, Comparison Operators, Logical Operators, Conditional Operators, Type Operators. Control Statements: Conditional Statement: If, If Else, Else If. Looping Statement: While, Do_While, For Loop.
Unit IV (22 Hours)	Function: Function Declaration built in Functions, Standard Date and Time Functions, HTML Document Object Model, working with HTML Form and Its Elements, Passing Parameter to Function, Returning A Value from Function, Array, and Object: Creating Object, Accessing Object Properties, Array Object, String Object, Date Object, Math Object, Window Object, and Navigator Object. Events: Event Type: Mouse Events, Frame/Object Events, And Form Events.
Textbooks / Reference Books:	Text Books: 1. Lee Purcell, Mary Jane Mara The ABCs of JavaScript BPB Publication Douglas 2. Crockford JavaScript: The Good Parts, 2nd Edition O'Reilly 3. David Flanagan JavaScript: Pocket Reference 3rd Edition O'Reilly Reference Books: 1. WEB PROGRAMMING John Dean, PhD Associate Professor of Computer Science Park 2. University Parkville, Missouri with HTML5, CSS, and JavaScript 3. Kogent Learning Solutions Inc. Web Technologies Black Book: HTML, JavaScript, PHP, 4. Java, JSP, XML and AJAX by Dreamtech Press 5. The Complete Reference Html and CSS by Thomas A. Powell , New York Chicago San 6. Francisco, Lisbon London Madrid Mexico City, Milan New Delhi San Juan, Seoul Singapore

Handwritten signatures and marks at the bottom of the page.



Evaluation Pattern:			
Sr. No	Theory (40 marks)	Practical (20 Marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (10 × 4 OR 8 × 5 = 40 marks)	Practical 1 – 05 Marks Practical 2 - 05 Marks File – 05 Marks Viva- Voce – 05 Marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) Assignment 1 – 5 Marks Assignment 2 - 5 Marks Class Activity / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 marks	Total: 20 marks	Total: 40 marks

PRACTICAL LIST

1. Write an algorithm, draw a flowchart and Write a JavaScript program to find-out the Factorial of a Number.
2. Write an algorithm, draw a flowchart and Write a JavaScript Program to Check Number Is Positive, Negative or Zero.
3. Write an algorithm, draw a flowchart and Write a JavaScript Program to Check the Number Is Palindrome or Not.
4. Write an algorithm, draw a flowchart and Write a JavaScript Program to Check Number Is Prime or Not.
5. Write an algorithm, draw a flowchart and Write a JavaScript Programme to Accept Product Price, Quantity and GST and Calculate the Total Bill Amount.
6. Create a webpage using HTML, CSS create a custom hover and focus effect for navigation items, using CSS transformations.
7. Create a webpage using HTML; CSS create a styled checkbox with animation on state change.
8. Write an algorithm, draw a flowchart and Write a JavaScript Program to Print the Following Pattern.
*
**

9. Create a webpage using HTML; CSS create display an image overlay effect on hover.
10. Create a webpage Using HTML, CSS create a scrollable container that will snap one elements when scrolling.
11. Write an algorithm, draw a flowchart and Write a JavaScript Program to Calculate the Area of Circle and Circumference of Circle by Using Functions.
12. Write an algorithm, draw a flowchart and Write a JavaScript Program to Accept a Year from User and Check Year Is Leap Year or Not.
13. Write an algorithm, draw a flowchart and Write a JavaScript Program to Perform Click Event On the Button to Change the Background Colour of Webpage.
14. Write an algorithm, draw a flowchart and Write a JavaScript Program to Print Table of Inputted Number.
15. Write an algorithm, draw a flowchart and Write a JavaScript program to POPUP Message Program Using Event.

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CAMI4)
Semester IV (Minor - Micro Economics)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical

Handwritten signature

Handwritten signature



practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM4CAMI4
Course Name	Micro Economics
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	• Understand the basic meaning of Economics • Aware about graphs and slopes
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand the subject matter of Economics and scope of micro economics and its usage.
CO 2	Acquainted with the concept of Utility and its types
CO 3	Knowledge about concept of Demand and Supply and their scope along with elasticity and its types in detail
CO 4	Insights in various factors of production and its return along with its strategy and methods of calculations
CO 5	Apply the fundamental concepts of microeconomics— including utility analysis, demand–supply mechanisms, elasticity, and factors of production— to analyze real-life economic situations, interpret market behavior, and make informed economic decisions through practical examples and activities.
Syllabus: Contents	
Unit I (11 Hours)	Introduction to Micro Economics and Utility Analysis: Meaning, Definition, Nature, Features, Scope, Importance and Limitations of Micro Economics study. Difference between Micro and Macro Economics. Problems in Micro Economics study. Meaning, Concept, Nature, Feature of Utility, Measurement of Utility, Marginal and Total Utility, Difference between

Handwritten signatures and initials at the bottom of the page.



	Marginal and Total Utility, Law of Diminishing Marginal Utility, Consumers Equilibrium.
Unit II (11 Hours)	Demand and Elasticity of Demand Concept and Features of Demand, Factors affecting Demand, Law of Demand, Exceptions and Assumptions Elasticity of Demand, Types of Elasticity of Demand, Factors affecting elasticity of Demand, Methods of measuring Elasticity of Demand
Unit III (11 Hours)	Supply and Elasticity of Supply Concept and Features of Supply, Factors affecting Supply, Law of Supply, Exceptions and Assumptions; Elasticity of Supply, Types of Elasticity of Supply, Factors affecting elasticity of Supply, Methods of measuring Elasticity of Supply
Unit IV (12 Hours)	Factors of Production Features and Nature of Land, Labour, Capital and Enterprise. Returns on Factors (Rent, Wage, Interest, Profits) Types of Rent, Ricardian Theory of Rent, Modern Theory of Rent, Quasi Rent, Difference between rent and quasi rent. Interest: Definition and features, Types of Interest, Liquidity Preference Theory, Loanable Funds Theory of Interest. Profits and types of Profit (Gross profit, Net profit, Normal and abnormal profits)
Textbooks / Reference Books:	1. Dr. D.D. Chaturvedi [1999] Micro Economics- Theory And Applications-I, Galgotia Publishing Company, New Delhi 2. Dr. Sanjay Basotia [2010] Micro Economics-Principles, Applications And Tools- Dnd Publications, Jaipur 3. Dr. Ravindra Gharpure, Mrs. Samiha Mirza Mohd. Baig [2017] Micro Economic Fundamentals, Thakur Publications

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIES (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $4 \times 10 = 40$ marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs OR 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

Nagpur Shikshan Mandal's

Handwritten signatures and marks at the bottom of the page.



SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CASEC4) Semester IV (SEC 4 – Office Assistant) (To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics,

Handwritten signatures and initials at the bottom of the page.



and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM4CASEC4
Course Name	Office Assistant
No. of Credits	02 (Theory-1, Practical-1)
Teaching Hours	15+30=45
Evaluation Scheme	40 (End Semester Examination – Min passing marks – 20) + 40 (Practical Examination – Min passing marks - 20) + 20 (Continuous Internal Examination – Min passing marks - 10) = 100 marks (Min passing marks – 20 + 20 + 10 = 50)
Group under NEP scheme	SEC (Skill Enhancement Course)
Pre-requisites for the course	• Basic computer knowledge • Good communication skills
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Develop proficiency in office administration tasks.
CO 2	Enhance communication and organizational skills.
CO 3	Gain knowledge of office equipment and technology.
CO 4	Understand workplace safety and maintenance protocols.
Syllabus: Contents	
Unit I (22 Hours)	Introduction to the Job Role Office Assistant and Various Office Equipment List the responsibilities of an Office Assistant, Explain the need for an Office Assistant in establishments Discuss organizational structure, hierarchy and reporting relationships, Types of Office Equipment, Working with Printers, Scanners and LCD Projectors, Working with Audio and Video Applications, Material and Energy Conservation Practices; Application of Computers - Parts of a Computer and Storage Devices, Microsoft Windows and the Internet, Microsoft Office, Computer Ergonomics and Safety.
Unit II (23 Hours)	Manage Routine Office Activities & Maintain a Healthy, Safe, and Secure Working Environment Managing Phone Calls, Maintenance Records and Documentation, Organizing Meetings, Maintaining a Healthy and Hygienic Environment, Following Safety Practices at the Workplace, Dealing with Emergency Situations, Using Fire



	Extinguishers		
Note	Activities & Practical based on” Management and Entrepreneurship and Professional Skills Council" facilitator guide for office assistant		
Textbooks/ Reference Books:	https://nsdcindia.org/sites/default/files/Office%20Assistant_V3.0_ENG_FG_ME_P-Q0202_PMKVY.pdf Office Management - MEPSC https://share.google/NyJxbsXztwWp9Dn25		
Evaluation Pattern:			
S. No	Theory (40 marks)	Practical (40 Marks)	CIE (20 marks)
1.	10 MCQs on each unit 2 Marks × 20 MCQs = 40 Marks	1 Practical on each unit 4 × 10 Marks = 40 Marks	CIE 1(carry 5 marks) CIE 2 (carry 5 marks) Class Activity / Presentation / Viva-Voce (carry 10 marks)

okandale

Julia

4/10/19



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CAAEC4)
Semester IV (AEC 4 - English)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical

Handwritten signatures and initials at the bottom of the page.



practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM4CAAEC4
Course Name	English (English for Career Development)
No. of Credits	02 (Theory – 1, Activity-1)
Teaching Hours	15+30=45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	AEC (Ability Enhancement Course)
Pre-requisites for the course	1. Basic knowledge of MS Office to create PPTs 2. English Speaking Skills 3. Learning by observing skills
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Display presentation skills in business and professional settings.
CO 2	Solve problems using effective language and teamwork.
CO 3	Develop a professional attitude through English.
CO 4	Write and speak with emotional awareness and clarity.
Syllabus:	Contents 15 Hours Per Unit
Unit I	1. Presentation Skills 2. Problem-Solving Skills
Unit II	1. Professional Skills 2. Emotional Intelligence
Unit III	1. Group Discussion 2. Interview Techniques
Textbooks / Reference Books:	1. Professional Speaking Skills – Aruna Koneru 2. Manifesting Impressive Public Speaking & Presentation Skills – Ashish Mehta 3. You Can Win by Shiv Khera 4. Emotional Intelligence: Managing Emotions to Win in Life by S. K. Mangal & Shubhra Mangal 5. Group Discussion and Interview Skills by R. S. Aggarwal

Handwritten signatures and marks at the bottom of the page.

**Evaluation Pattern:**

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit I (2×8 OR 1×16) = 16 Marks	Online and Offline classroom participation of the student during a particular semester = 10 Marks
2.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit II (2×8 OR 1×16) = 16 Marks	An assignment / PPT based on curriculum to be assessed by the teacher concerned = 10 Marks
3.	2 SAQs of 8 marks or 1 LAQ of 16 marks each based on Unit III (2×8 OR 1×16) = 16 Marks	CIEs = 10 Marks
4.	12 MCQs of 1 mark or 6 VSAQs of 2 marks each based on all three units with no internal choice (12×1 OR 6×2) = 12 Marks	Performance Based Activities conducted by the teacher concerned / Viva voce = 10 Marks
	Total: 60 marks	Total: 40 marks

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CAOE5)
Semester IV (OE 5 - E-Commerce and M-Commerce)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical

[Handwritten signatures]



practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM4CAOE5
Course Name	E-Commerce and M-Commerce
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination – Min passing marks - 24) + 40 (Continuous Internal Examination – Min passing marks –16)= 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	OE (Open Elective)
Pre-requisites for the course	• Internet basics and networking • Web technologies (browsers, URLs, IP addressed • General awareness of online transactions and digital platforms.

Course Outcomes: *The students will be able to:*

CO 1	Explain various business models of E-Commerce.
CO 2	Describe E-Commerce Sales Product Life Cycle (ESLC) Mode.
CO 3	Understand various facets of Consumer Oriented E Commerce.
CO 4	Grasp the knowledge about electronic payment models.
CO 4	Explain various business models of E-Commerce.

Syllabus:	Contents
Unit I (7 Hours)	Overview of developments in Information Technology and Defining E-Commerce: The scope of E - commerce, Electronic Market, Electronic Data Interchange, Internet Commerce
Unit II (8 Hours)	Introduction to e-commerce and m-commerce, E Commerce architecture and its types; E - Commerce Business Models; M- Commerce Services, Benefits and limitations of E-Commerce.
Unit III (7 Hours)	Consumer Oriented E Commerce: E-Retailing: Traditional retailing and e retailing, Benefits of e retailing, Key success factors, Models of e retailing, and Features of e retailing. E- services: Categories of e-services, Web-enabled services, and matchmaking services, Information-selling on the web, e - entertainment, Auctions and other specialized services. Business to Business Electronic Commerce
Unit IV (8 Hours)	Electronic Payment Models – Credit card, Debit Card, Smart Card, Internet Banking, Immediate Payment Services (IMPS), Mobile Wallet, Aadhar Enabled Payment Services, Mobile Banking, Cryptocurrency, e-RUPI Etc.
Textbooks / Reference Books:	1. Elias. M. Awad, " Electronic Commerce", Prentice-Hall of India Pvt Ltd. 2. Ravi Kalakota, Andrew B. Whinston, "Electronic Commerce-A Manager's guide", AddisonWesle
Evaluation Pattern:	

Handwritten signatures and initials at the bottom of the page.



Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $4 \times 10 = 40$ Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs OR 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 Marks) Assignment 2(carry 5 Marks) Class Activity / Presentation/ Viva-Voce (carry 20 Marks)
	Total: 60 marks	Total: 40 marks

Handwritten signatures and initials at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CACEP)
Semester IV (Community Engagement Project)

(02 Credits for 100 Marks)

[A-2] EVALUATION REPORT OF FIELD PROJECT/COMMUNITY ENGAGEMENT PROJECT

Bachelor of Commerce (B.Com) (Major Subject) Examination, _____

Name of Student: _____

FP/CEP Title: _____

Roll No. _____ **Semester** _____ **Max. Marks: 100**

CRITERION	Parameters	Score
Continuous internal Evaluation (CIE)	Regularity, punctuality, sincerity, and overall feedback from the supervisor and community (<i>To be evaluated by the internal teacher</i>)	out of 50
Description UN SDG Related to FP/CEP*	Detailed description of United Nations Sustainability Development Goals (SDGs) related to FP/CEP undertaken by the student. The degree and extent of such related SDGs should be clearly mentioned	out of 10
Description of Respondent Profile/Community Profile & Listing of goals/objectives/ Outcomes of FP/CEP*	A detailed description (Including Statistical Data) of the respondents / community where the FP/CEP is being undertaken. Clear Mention of issues/problems under study to be included. Comprehensive Listing of goals/objectives/Outcomes of FP/CEP	out of 10
Application of theoretical Knowledge*.	Details of the work done or project implemented during FP/CEP is documented in detail. The theoretical basis is used to identify the various issues related to the problem under consideration	out of 10
Conclusions and Recommendations *	Specific Conclusions based on empirical evidences. Recommendations based on practical feasibility	out of 10

[Handwritten signatures]



Feedback from concerned organization/Community Head*	An authentic Company Certificate of completion /appreciation clearly classifying the performance of the student as Excellent / Above Average or Good/ Average or Satisfactory /below average .	out of 10
* Based on the Report submitted by the student, evaluated by the external examiner	Total Marks Scored out of 100	
Name and Signature of Internal Examiner	Name and Signature of External Examiner	

As per the guidelines of CEP applicable to all UG Program under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM4CACC4)
Semester IV (CC - NCC / NSS / Sports / Cultural / LLL)
(02 Credits for 100 Marks)

As per the guidelines of CC applicable to all UG Program under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Handwritten signatures and initials:
Shandale, Lulu, J. P. Singh



SEMESTER V

Computer Application (Semester V)				Teaching Scheme / Total Hours Per Week			Examination Scheme								
Sr. No	(Bachelor of Commerce)	Cour se Type	Course Code	Theory	Practical	Total	Max. Marks (SEE Theory)	Min. Mark (SEE Theory)	Max. Marks (SEE Practical)	Min. Marks (SEE Practical)	Max. Marks (CIE)	Min. Mark (CIE)	Total	Min. Marks	Credit
1	PHP and MYSQL	Major	BCOM5CAM7	2	4	6	40	20	20	10	40	20	100	50	4
2	Computerized Accounting Using Tally	Major	BCOM5CAM8	2	4	6	40	20	20	10	40	20	100	50	4
3	Software Testing	Major Elective	BCOM5CA ME1A	4	-	4	60	24	-	-	40	16	100	40	4
	Software Engineering		BCOM5CA ME1B												
4	Macro Economics	Minor	BCOM5CA MI5A	3	-	3	60	24	-	-	40	16	100	40	3
	Business Procedure and Practices		BCOM5CA MI5B												
	Introduction to Taxation		BCOM5CA MI5C												
5	Customer Relationship Management	OE	BCOM5CA OE6	2	-	2	60	24	-	-	40	16	100	40	2
6	Oracle SQL	VSC	BCOM5CA VSC4	1	2	3	60	30	40	20	-	-	100	50	2
7	Field Project	FP	BCOM5CA FP1	-	4	4	-	-	60	30	40	20	100	50	2
			Total	14	14	28	320	142	140	70	240	108	700	320	21

Minimum Passing Marks for theory 40% i.e. 40 & Minimum Passing Marks for Practical 50% i.e. 50
Course Type: Major, Minor, VSC, SEC, VEC, IKS, AEC, OJT/RP/CEP/Internship, OE.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAM7).
Semester V (Major –PHP and MySQL)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM5 CAM7
Course Name	PHP and MySQL
No. of Credits	04 (Theory-2, Practical-2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 marks (Min passing marks – 50)
Group under NEP scheme	Major
Pre-requisites for the course	Basic Knowledge of Web Designing
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand and compare html file and php file and will be able to use the knowledge for a given business application.
CO 2	Analyse the data and can create forms for real life business applications.
CO 3	Use techniques to handle cookies and sessions, to create and modify server cookies and operate session on the internet.
CO 4	Able to use database in the backend for the applications.
CO 5	Create dynamic web site.
Syllabus:	Contents
Unit I (8 Hours)	Getting Started with PHP- Basic HTML Syntax, Basic PHP Syntax, Using FTP, Testing Your Scripts, Sending Text to The Browser, Adding Comment to The Script, Basic Debugging Steps. Variables- What Are Variables? Variable Syntax, Types of Variables, Variable Values, Understanding, Quotation Marks. HTML Forms and PHP- Creating A Simple Forms, Choosing A Form Data in PHP, Displaying Errors, Error Reporting. Using Numbers- , Performing Arithmetic, Formatting Numbers, Understanding Precedence, Incrementing and Decrementing a Number, Creating Random Numbers.
Unit II (8 Hours)	Using Strings- Concatenating Strings, Handling Newlines, HTML and PHP, Finding Substrings, Replacing Parts of a String. Control Structures- The If Conditional, Validation Functions, Using Else, More Operators, Using else if, The Switch Conditional, The for Loop. Using Arrays- What Is an Array, creating an Array, Adding Items to an Array, Accessing an Array from A Form.
Unit III (7 Hours)	Creating Web Applications- Creating Templates, Using Constants, working with The Date and Time, Handling HTML Forms with PHP, Sending Email. Cookies and Sessions- What Are Cookies? Creating Cookies, reading from Cookies, Adding Parameters to Cookies, Deleting A Cookie, What Are Sessions? Creating Session, Accessing Session Variables, Deleting Session. Creating Functions- Creating and Using Simple Functions, Creating and Calling Functions That Take Arguments, Setting Default Arguments Values, Creating and Using Functions That Return a Value, Understanding Variable Scope.



Unit IV (7 Hours)	Files and Directories- File Permissions, writing to Files, locking to Files, reading from Files, Introduction to Database- Introduction to SQL, connecting to MYSQL, MYSQL Error Handling, Creating and Selecting a Database, Creating A Database, Inserting Data into A Database, Securing Query Data, Retrieving Data from A Database, Deleting Data in A Database, Updating Data in A Database.		
Textbooks / Reference Books:	1. Holznr, The Complete Reference – PHP, McGraw-Hill. 2. Mike Mcgrath, PHP & MySQL in Easy Steps, McGraw-Hill. 3. Steve Suehring, Tim Converse & Joyce Park, PHP and MySQL, Wiely. 4. Joel Murach & Ray Harris, murach's PHP and MySQL, Shroff Publishers. 5. Jason Gilmore, Beginning PHP and MySQL		
Evaluation Pattern:			
Sr. No.	Theory (40 Marks)	Practical (20 marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	Practical 1 - 05marks Practical 2 -05 marks Practical File -5 marks Viva- Voce-5 marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 Marks	Total: 20 marks	Total: 40 Marks

Practical List (60 Hours)

1. Write an algorithm, draw a flowchart and Write a PHP script to print the addition and multiplication of two numbers in PHP using print and echo respectively.
2. Write an algorithm, draw a flowchart and Write a PHP script to generate three random numbers and calculate their average.
3. Write an algorithm, draw a flowchart and Write a PHP script to print the following pattern using nested loop.

```

*****
****
***
**
*
```
4. Write an algorithm, draw a flowchart and Write a PHP script to insert a new item in an array on any position.



5. Write an algorithm, draw a flowchart and Write a PHP script to sort an associative array using the Sort function `asort()` and `ksort()`.

6. Write an algorithm, draw a flowchart and Write a PHP script to convert a date from `yyyy-mm-dd` to `dd-mm-yyyy`.

Sample Date: 2012-09-12

Expected Result: 12-09-2012

7. Write an algorithm, draw a flowchart and Write a PHP script to remove the whitespaces from a string.

8. Write an algorithm, draw a flowchart and Write a PHP function that checks if a string is all lower case.

9. Write an algorithm, draw a flowchart and Write a PHP script to check whether a entered string is palindrome or not.

10. Write an algorithm, draw a flowchart and Write a PHP script to check that email id is valid or not.

11. Write an algorithm, draw a flowchart and Write a PHP script to for Creating, Retrieving and Deleting data from the cookie using POST Method.

12. Write an algorithm, draw a flowchart and Write a PHP script to print Fibonacci series using recursion.

13. Write an algorithm, draw a flowchart and Write a PHP script using switch case and dropdown list to display a – Hello! message depending on the language selected in drop down list.

14. Write a SQL statement to create simple table countries including columns `country_id`, `country_name` and `region_id`.

15. Write a SQL statement to insert a record with your own value into the table countries



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAM8)
Semester V (Major –Computerized Accounting Using Tally)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM5CAM8
Course Name	Computerized Accounting Using Tally
No. of Credits	04 (Theory-2, Practical -2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>)= 100 marks (Min passing marks – 50)
Group under NEP scheme	Major
Pre-requisites for the course	Basic Knowledge of accounting

Course Outcomes : *The students will be able to:*

CO 1	Understand the fundamentals of accounting, including types of accounts, golden rules, and basic accounting principles.
CO 2	Demonstrate the ability to operate Tally.ERP 9 by creating and managing companies and configuring features (F11, F12).
CO 3	Apply knowledge of accounting masters by creating and managing groups, ledgers, vouchers, and orders within Tally.
CO 4	Analyze financial data by generating and interpreting reports such as Profit & Loss Account, Balance Sheet, Trial Balance, and Day Book.
CO5	Implement taxation concepts including TDS and GST in Tally by configuring features, recording transactions, and preparing tax reports and returns.

Syllabus: Contents Hours

Unit I (8 Hours)	Introduction to Tally.ERP 9- Basics of Accounting-Types of accounts-Golden rules of accounting –Accounting principles –Features of Tally- Opening Tally.ERP 9, Components of the Tally.ERP 9 Window, Creating a Company. Accounting masters in Tally –F11: Features –F12 Configurations –Setting up of Account Heads.
Unit II	Groups, Ledgers, Vouchers and Orders- Introducing Groups, Introducing Ledgers, Introducing Vouchers, Introducing Purchase Orders, Introducing a Sales

Handwritten signatures and marks at the bottom of the page.



(8 Hours)	Order, Introducing Invoices. Reports Profit & Loss Account, Balance Sheet, Trail balance, Day Book,
Unit III (7 Hours)	Fundamentals of Taxation Basic Concepts of TDS, Configuring TDS in Tally.ERP9, Creation Masters, Processing Transaction, TDS Reports
Unit IV (7 Hours)	Advanced Taxation Basics of GST, Configuring GST Features, Creating Masters, Entering Transactions, GST Report, GST Filing
Textbooks / Reference Books:	1. DT Editorial Services, Tally.ERP 9 in Simple Steps, Dream tech Press. 2. Computerized Accounting using Tally ERP 9, Sahaj Enterprise, Tally Education Private Ltd (TEPL). 3. Vikas Gupta, Business Accounting with MS Excel and Tally.ERP 9 Course Kit, Dream tech Press. 4. Vishnu Priya Singh, Tally 9. 4. K. K. Nadhani, Accounting with Tally, BPB Publication. 5. K. K. Nadhani and A.K. Nadhani, Tally Tutorial, BPB Publication. 6. Mr. Ravindra Parmar, Tally ERP 9 with GST – Paperback

Evaluation Pattern:

Sr. No.	Theory (40 Marks)	Practical (20 marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	Practical 1 - 05marks Practical 2 -05 marks Practical File -5 marks Viva- Voce-5 marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 Marks	Total: 20 marks	Total: 40 Marks

Practical List (60 Hours)

1. Create a company in Tally.Erp9 with the following details.

Name of Company	Universal Company Ltd.
Address	1804,world Tower, AB road, Baner, Pune 411080
Country	India
State	Maharashtra
Contact number	7894561230



Mobile number	7741258963
Email-Id	info@univarsalmfg.co.in
Books beginning from	01-04-2015
Financial year beginning from	01-04-2015

2. Create a company M/s Rajratan Private Limited, Pratap Nagar, Nagpur. The following ledgers in the books of M/s Rajratan Private Limited:

Name of Ledger	Under (Group)	Bill-wise Details	Opening Balance
Share Capital	Capital Account	No	15,00,000
Purchase Account	Purchase Account	No	Nil
Sales Accounts	Sales Accounts	No	Nil
Ultra Tech Cement Ltd	Sundry Creditors	Yes	2,70,000
Building	Fixed Assets	No	12,00,000
Computers	Fixed Assets	No	50,000
Office Furniture	Fixed Assets	No	1,75,000
Cash in Hand	Cash Account	No	20,000
Civic Centre Association	Sundry Debtors	No	2,90,000
Petty Cash	Cash in Hand	No	50,000

3. Journalize the following transaction in the books of M/S Prashant for April 2011 prepare Balance Sheet

Sr. No.	Transaction Description
1	Start business with capital borrowed from his friend Satish – 1,10,000
2	Bought Machinery – 40,000
3	Sold goods for cash to Satish – 25,000
4	Purchase goods from Somesh – 30,000
5	Bought goods for cash from Nitin – 26,000
6	Cash sales – 10,000
7	Sold goods to Manish – 8,000

8

chandra

giga

shri prashant



4. Record the following transactions in the books of Divya Pvt. Ltd. And prepare balance sheet.

S. No.	Transaction Description	Amount (₹)
1	Devi commenced a business with a capital	4,00,000
2	An account was opened with Indian Bank and deposited	60,000
3	Purchased furniture by paying cash	15,000
4	Goods purchased on credit from Sumathy	50,000
5	Cash sales made	10,000
6	Goods purchased from Raja and paid by cheque	5,000
7	Goods sold to Aran on credit	70,000
8	Money withdrawn from bank for office use	25,000
9	Part payment made to Sumathy by cheque	30,000
10	Aran made part payment by cash	10,000
11	Salaries paid to staff through ECS	36,000
12	Carriage on purchases paid by cash	6,000
13	Purchased computer from Muthu Ltd. on credit	44,000

5. Create a company Sunder furniture and Enter the following transactions and prepare a trail balance.

S. No.	Transaction Description
1	Started business with cash Rs. 20,000/-
2	Purchased goods worth Rs. 5,000/- on credit from "X"
3	Sold goods worth Rs. 3,000/- to "Y" on credit
4	Opened a bank account with State Bank of India by depositing Rs. 2,000/-
5	Paid salary Rs. 1,000/- in cash to Ramesh
6	Received a cheque of Rs. 3,000/- from "Y"
7	Received commission from Ankit Rs. 2,000/-
8	Paid rent Rs. 500/-
9	Withdrew from bank Rs. 1,000/-
10	Issued a cheque of Rs. 4,000/- to "X"

Handwritten signatures and marks at the bottom of the page.



6. Create a Company M/S Birla Pvt Ltd., and enter the following details and prepare profit and loss account.

Sr. No.	Transaction Description
1	Started business with cash Rs. 50,000
2	Deposited cash in State Bank of India Rs. 15,000
3	Paid salary Rs. 5,000 to Mrs. Asmita
4	Purchased goods worth Rs. 45,000 on credit from Swan Enterprises
5	Credit sales of goods worth Rs. 75,000 to "Y" Company
6	Returned goods to Swan Enterprises Rs. 5,000
7	Received goods returned by "Y" Company
8	Purchased machinery on credit Rs. 40,000 from Manish Enterprises
9	Received commission in cash Rs. 2,000
10	Withdrawn from State Bank of India Rs. 5,000

7. Create a Company as Sagar Industries Ltd. in Tally with inventory management. Pass the following Entries and Show the Trial Balance and Balance Sheet of —Sagar Industries Ltd., Show the Cash Book & Bank Book of the company, Show the Day Book.

Sr. No.	Transaction Description
1	Sagar started "Sagar Industries Ltd." by bringing capital Rs. 3,00,000 (Cash)
2	Deposited Rs. 1,00,000 cash in ICICI Bank
3	Paid electricity bill Rs. 1,200 by cash
4	Withdrawn Rs. 10,000 cash for personal use
5	Purchased computers (10 Nos. @ Rs. 20,000 each) on credit from Computer Lab Ltd.
6	Sold computers (5 Nos. @ Rs. 27,500 each) in cash to Somnath Traders
7	Received commission Rs. 6,000 in cash from Rohit
8	Paid house rent Rs. 5,000 by cash
9	Withdrawn Rs. 25,000 cash from ICICI Bank
10	Purchased furniture Rs. 25,000 by cash for office use

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature



8. Prepare sales invoice and credit note with the following transaction

Bills No	Party Name	State	Item Name	GST Rate	Quantity	Rate (₹)	Remarks
1	Super Computer	UP	Solid State Drive	18%	22 Pcs	3,000	CGST 50%, SGST 50%
			Optical Drive	18%	20 Pcs	200	
			SMPS	18%	10 Pcs	600	
			Video Card	18%	28 Pcs	140	
			Wireless Card	18%	15 Pcs	150	
2	Bharat Trader	Haryana	Monitor	18%	8 Pcs	5,000	IGST 100%
			Keyboard	18%	8 Pcs	200	
			USB Hub	18%	10 Pcs	30	
			Hard Disk	18%	5 Pcs	4,800	

Sales Returned	Credit Note	
Super Computer	Optical Mouse	2Pcs
	Video Card	4Pcs
Bharat Traders	USB Hub	5PCS

9. Create Purchase invoice by using following details:

Bill No	Party Name	Group	Item Name	GST Rate	Quantity	Rate (₹)	Remarks
1	Vinod Electronics	Electrical Items	Fan	18%	65 Pcs	120	CGST 50%, SGST 50%
			LED Bulb	18%	70 Pcs	85	
			Table Fan	18%	14 Pcs	250	
			Cooler	18%	5 Pcs	2,500	
2	Horvath Construction	Tools	Brick Hammer	12%	10 Pcs	135	CGST 50%, SGST 50%
			Chisel	12%	70 Pcs	75	



			Hand Drill Machine	12%	2 Pcs	1,500	
			Wire Brush	12%	10 Pcs	35	
3	Arshi Provision Store	Edible Items	Sugar	5%	50-500 Kg	40	CGST 50%, SGST 50%
			Oil	5%	80 Ltr	90	
			Rice	5%	12-800 Kg	45	
			Namkeen	5%	5 Kg	90	
4	Fashion Clothes House	Cloths	Jacket	12%	4 Pcs	2,599	CGST 50%, SGST 50%
			Jeans	12%	8 Pcs	850	
			Track Suit	12%	2 Pcs	2,500	
			T-Shirt	12%	8 Pcs	450	
5	A to Z Computer	Computer Parts	Solid State Drive	18%	25 Pcs	2,500	CGST 50%, SGST 50%
			Optical Drive	18%	20 Pcs	150	
			SMPS	18%	10 Pcs	550	
			Video Card	18%	30 Pcs	120	
			Wireless Card	18%	15 Pcs	120	

10. Prepare GST Sales Invoice

Bill No	Party Name	State	Item Name	GST Rate	Quantity	Rate (₹)	Remarks
1	Raghu Raj	UP	USB Hub	18%	12 Pcs	30	CGST 50%, SGST 50%
			Monitor	18%	7 Pcs	5000	
2	Raju Shopkeeper	UP	Sugar	5%	40-500 Kg	50	CGST 50%, SGST 50%
			Oil	5%	80 Ltr	90	
			Rice	5%	12-800 Kg	45	

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]



			Namkeen	5%	5 Kg	90	
3	Jony Store	UP	Fan	18%	60 Pcs	145	CGST 50%, SGST 50%
			LED Bulb	18%	70 Pcs	95	
			Table Fan	18%	12 Pcs	450	
			Cooler	18%	4 Pcs	3000	
4	Gupta Shop	UP	Note Book	18%	90 Pcs	30	CGST 50%, SGST 50%
			Pencils	12%	150 Pkt	6	
			Writing Pads	18%	20 Box	30	
			Markers	12%	25 Pcs	40	
5	Salman Corner	UP	Wireless Mouse	18%	18 Pcs	85	CGST 50%, SGST 50%
			Switch	18%	100 Pcs	190	
			Logitech Mouse	18%	15 Pcs	300	
			Wireless Keyboard	18%	15 Pcs	350	

11. Prepare purchase invoice and debit note with the following transactions.

Bill No	Party Name	State	Group	Item Name	GST Rate	Quantity	Rate (Rs)	GST Type
1	Dennis Dell Computer	UP	Computer Parts	Monitor	18%	8 pcs	4,500	CGST 50% + SGST 50%
			Computer Parts	Keyboard	18%	10 pcs	150	
			Computer Parts	USB Hub	18%	15 pcs	25	
			Computer Parts	Hard Disk	18%	8 pcs	4,500	
2	Delhi Cosmetic Store	—	Cosmetic	Perfume	28%	65 pcs	120	IGST 100%

12. Create purchase invoice from the following transaction

[Handwritten signature]

chandel

[Handwritten signature]

[Handwritten signature]



Bill No	Party Name	State	Group	Item Name	GST Rate	Quantity	Rate (Rs)	CGST	SGST
1	Raj Computer	UP	Computer Parts	Mouse	18%	10 Pcs	75	50%	50%
				Keyboard	18%	10 Pcs	150		
				USB Hub	18%	15 Pcs	25		
				Monitor	18%	8 Pcs	4500		
2	Sharma Pvt Ltd	UP	Edible Items	Sugar	5%	500 Kg	40	50%	50%
				Oil	5%	80 Ltr	90		
				Rice	5%	800 Kg	45		
				Namkeen	5%	5 Kg	90		
3	XYZ Electronics	UP	Electrical Items	Fan	18%	65 Pcs	120	50%	50%
				LED Bulb	18%	70 Pcs	85		
				Table Fan	18%	14 Pcs	250		
				Cooler	18%	5 Pcs	2500		
4	Jain Stationary	UP	Stationary	Notebook	18%	100 Pcs	25	50%	50%
				Pencils	12%	150 Pkt	4		
				Writing Pads	18%	20 Box	25		
				Markers	12%	25 Pcs	30		
5	Bansal Pvt Ltd	UP	Computer Parts	Wireless	18%	18 Pcs	75	50%	50%
				Switch	18%	100 Pcs	150		
				Logitech Mouse	18%	15 Pcs	250		
				Wireless Keyboard	18%	15 Pcs	350		
6	Sharma Pvt Ltd	UP	Edible Items	Sugar	5%	500 Kg	40	50%	50%
				Oil	5%	20 Ltr	90		
				Rice	5%	500 Kg	45		
				Namkeen	5%	10 Kg	90		

13. Prepare GST Sale Invoices

8

Handwritten signature

Handwritten signature

Handwritten signature



Bill No	Party Name	State	Item Name	GST Rate	Quantity	Rate (Rs)	Remarks
1	Gupta Shop	UP	Note Book	18%	100 Pcs	30	CGST 50% SGST 50%
			Pencils	12%	150 Pkt	5	
			Writing Pads	18%	20 Box	30	
			Markers	12%	25 Pcs	35	
2	Raju Shopkeeper	—	Coffee	5%	500 Gm	160	CGST 50% SGST 50%
			Biscuit	5%	45 Pcs	12	
3	Super Computer	UP	Windows XP	18%	100 Cd	1200	CGST 50% SGST 50%
			Windows 7	18%	120 Cd	1400	
			Windows 8	18%	110 Cd	1500	
			Windows 10	18%	120 Cd	1700	
			Office Software	18%	200 Cd	1200	
4	Radh Provision	UP	Sugar	5%	50-500 Kg	50	CGST 50% SGST 50%
			Oil	5%	80 Ltr	100	
			Rice	5%	12-800 Kg	50	
			Namkeen	5%	5 Kg	100	
5	Tamanna Tech	Punjab	Solid State Drive	18%	25 Pcs	3000	IGST 100%
			Optical Drive	18%	20 Pcs	200	
			SMPS	18%	10 Pcs	600	
			Video Card	18%	30 Pcs	140	
			Wireless Card	18%	15 Pcs	130	
6	Raju Shopkeeper	UP	Sugar	5%	30-500 Kg	45	CGST 50%

Handwritten signatures and marks at the bottom of the page.



			Oil	5%	20 Ltr	98	SGST *50%
			Rice	5%	10-500 Kg	50	
			Namkeen	5%	10 Kg	100	

14. Create a purchase invoice with following transaction

Bills No	Party Names	State	Group	Item Name	GST Rate	Quantity	Rate (Rs)	Remarks
1	Microsoft Corporation	Delhi	Software	Windows XP	18%	100 Cd	1,200	IGST 100%
				Windows 7	18%	120 Cd	1,200	
				Windows 8	18%	110 Cd	1,400	
2	Raashi Kirana	UP	Edible Items	Windows 10	18%	120 Cd	1,400	CGST 50%, SGST 50%
				Office Software	18%	200 Cd	1,000	
				Coffee	5%	500 Gm	150	
				Salt	0%	22-200 Kg	15	
3	Sonu Mobile	UP	Mobile Phone	Jeera	5%	500 Gm	120	CGST 50%, SGST 50%
				Red Chilli	5%	10-500 Kg	80	
				Oppo	12%	6 Box	12,000	
				Intex	12%	8 Box	9,000	
				Asus	12%	7 Box	11,000	
4	Royal Computers	UP	Computer Parts	Lenovo	12%	3 Box	12,000	CGST 50%, SGST 50%
				OnePlus	12%	4 Box	21,000	
				USB Hub	18%	12 Pcs	25	
				Wire	18%	10 Box	42	CGST 50%, SGST 50%
				Monitor	18%	12 Pcs	4,000	

\$

Chandak

Pragya

Pragya



				CPU	18%	12 Pcs	3,000	
				Hard Disk	18%	10 Pcs	2,500	
5	Big Computer	UP	Computer Parts	Mouse	18%	10 Pcs	75	CGST 50%, SGST 50%
				Keyboard	18%	10 Pcs	150	
				USB Hub	18%	15 Pcs	25	
				Monitor	18%	8 Pcs	4,500	
6	Al-Haider Pvt. Ltd	Bihar	Computer Parts	Wireless Switch	18%	18 Pcs	75	IGST 100%
				Logitech Mouse	18%	15 Pcs	250	
				Wireless Keyboard	18%	15 Pcs	350	

15. Create a company M/S Sure Tech Ltd. IT Park VRC Nagpur, Enter the following sales order by using unit of measure; the order is completely based on cash 31st August 2010

Items	Rate (Rs)	Number
Keyboard	950	2
Mouse	250	5
Mouse Pad	175	6
2 GB Pen Drive	350	3

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAME1A)
Semester V (Major Elective –Software Testing)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs):*The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM5CAME1A
Course Name	Software Testing
No. of Credits	04
Teaching Hours	60
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks – 16</i>) = 100 marks (Min passing marks – 40)
Group under NEP scheme	Major Elective
Pre-requisites for the course	-
Course Outcomes <i>The students will be able to:</i>	
CO 1	Apply different software testing techniques and strategies to the projects
CO 2	Distinguish characteristics of structural testing methods
CO 3	Demonstrate the integration testing which aims to uncover interaction and compatibility problems as early as possible
CO 4	Discuss about the functional and system testing methods
CO5	Demonstrate various issues for object oriented testing
Syllabus:	Contents
Unit	15 Hours Per
Unit I	Introduction: Purpose of testing, Dichotomies, model for testing, consequences of bugs, taxonomy of bugs Flow graphs and Path testing: Basics concepts of path testing, predicates, path predicates and achievable paths, path sensitizing, path instrumentation, application of path testing.
Unit II	Transaction Flow Testing: transaction flows, transaction flow testing techniques. Dataflow testing: Basics of dataflow testing, strategies in dataflow testing, application of dataflow testing. Domain Testing: domains and paths, Nice & ugly domains, domain testing, domains and interfaces testing, domain and interface testing, domains and testability.
Unit III	Paths, Path products and Regular expressions: path products & path

Handwritten signatures and marks at the bottom of the page.



	expression, reduction procedure, applications, regular expressions & flow anomaly detection. Logic Based Testing: overview, decision tables, path expressions, KV Charts, specifications.	
Unit IV	State, State Graphs and Transition testing: state graphs, good & bad state graphs,state testing, Testability tips. Graph Matrices and Application: Motivational overview, matrix of graph, relations, power of a matrix, node reduction algorithm, building tools. (Student should be given an exposure to a tool like JMeter or Win-runner).	
Textbooks / Reference Books:	Text Books: 1. Software testing techniques - Baris Beizer, Dreamtech, second edition. 2. Software Testing Tools – Dr. K. V. K. K. Prasad, Dreamtech. References: 1. Craft of software testing - Brian Marick, Pearson Education. 2. Software Testing Techniques – SPD (Oreille) 3. Software Testing in the Real World – Edward Kit, Pearson. 4. Effective methods of Software Testing, Perry, John Wiley. 5. Art of Software Testing – Meyers, John Wiley.VSC-Working with MS- Access	
Evaluation Pattern:		
Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs based on each unit OR 12 VSAQs based on each unit (3 MCQs OR 3 VSAQs Per Unit, best 10 will be evaluated.)(10 × 2 OR 10 × 2 = 20 Marks)	CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / VIVA-VOCE (carry 20 Marks)
	Total: 60 Marks	Total: 40 Marks

OR



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAME1B)
Semester V (Major Elective –Software Engineering)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs):*The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM5CAME1B
Course Name	Software Engineering
No. of Credits	04
Teaching Hours	60
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 40)
Group under NEP scheme	Major Elective
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Decompose the given project in various phases of a lifecycle.
CO 2	Choose appropriate process model depending on the user requirements.
CO 3	Perform various life cycle activities like Analysis, Design, Implementation, Testing and Maintenance.
CO 4	Know various processes used in all the phases of the product.
CO5	Apply the knowledge, techniques, and skills in the development of a software product.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Introduction to Software Engineering: Definitions - Size Factors - Quality and Productivity Factors – Managerial Issues - Planning a software project: Defining the problem - Developing a Solution Strategy - Planning the Development Process - Planning an Organization structure - Other Planning Activities.
Unit II	Software Cost Estimation: Software cost factors - Software Cost Estimation Techniques – Staffing level Estimation - Estimating Software Maintenance Costs - The Software Requirements, Specification - Formal Specification Techniques - Languages and Processors for Requirements Specification.
Unit III	Software design: Fundamental Design Concepts - Modules and



	Modularization Criteria – Design Notations - Design Techniques - Detailed Design Considerations - Real-Time and Distributed System Design - Test Plans - Milestones, walkthroughs, and Inspections.	
Unit IV	Quality Assurance - Walkthroughs and Inspections - Static Analysis - Symbolic Execution – Unit Testing and Debugging - System Testing - Formal Verification: Enhancing Maintainability during Development - Managerial Aspects of Software Maintenance - Source Code Metrics – Other Maintenance Tools and Techniques.	
Textbooks / Reference Books:	Text / Reference Books: 1. R.Fairley, Software Engineering Concepts, Tata McGraw-Hill, 1997. 2. R.S. Pressman, Software Engineering, Fourth Ed., McGraw Hill, 1997. 3. Software Engineering, H. Sommervill Ian, Addition Wesley Pub. Co. 4. Software Engineering: An object Oriented Perspective by Braude, E.J., Willey, 2001. 1	
Evaluation Pattern:		
Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs based on each unit OR 12 VSAQs based on each unit (3 MCQs OR 3 VSAQs Per Unit, best 10 will be evaluated.)(10 × 2 OR 10 × 2 = 20 Marks)	CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / VIVA-VOCE (carry 20 Marks)
	Total: 60 Marks	Total: 40 Marks



Nagpur Shikshan Mandāl's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAMI5A)
Semester V (Minor: Macro Economics)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM5CAMI5A
Course Name	Macro Economics
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing Marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing Marks - 16</i>) = 100 Marks (Min passing Marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	• Basic understanding of Economics (especially Microeconomics) • Familiarity with economic terms like demand, supply, and markets
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand and explain key macroeconomic concepts and theories.
CO 2	Analyze national income and its measurement techniques
CO 3	Evaluate the causes and effects of inflation and suggest control measures.
CO 4	Understand the role of monetary and fiscal policies in economic stability.
CO 5	Apply macroeconomic concepts to real-world economic problems, especially in the Indian context.
Syllabus:	Contents 15 Hours Per Unit
Unit I	Introduction to Macroeconomics • What is Macroeconomics? • Macroeconomics is both a Theoretical and a Policy Science • Microeconomics vs. Macroeconomic • Origin and Growth of Macroeconomics • Importance of Macroeconomics • Limitations of Macroeconomics • Circular Flows in a Two-Sector Model • Circular Flows in Three-Sector Model: A Model with Government • Income and Expenditure
Unit II	Measurement of National Income • Introduction • Some Concepts Related to National Income • National Income Measures • Nominal and Real GNP • Methods of Measuring National • Income Treatment of Net Income from Abroad • Double Entry System of Accounting • Measurement of National Income in India



Unit III	Inflation: Meaning, Measure and Effects • Introduction • What is Inflation? • Methods of Measuring Inflation • Types of Inflation • Inflation, Disinflation and Deflation • Inflation in India: A Long-Term View • Economic Effects of Inflation • Interaction between Demand-Pull and Cost-Push Inflation • Measures to Control Inflation
Unit IV	Macroeconomic Policies: Monetary and Fiscal Policies • Introduction Macroeconomic Policy: Meaning and Scope • Objectives of Macroeconomic Policy • Meaning and Scope of Monetary Policy • Instruments of Monetary Policy • Monetary Policy of India, • Meaning and Scope of Fiscal Policy • Fiscal Instruments and Target Variables • Kinds of Fiscal Policy • Limitations of Fiscal Policy • Fiscal Policy of India
Textbooks / Reference Books:	1. Dwivedi, D. N. (Latest Edition). Macroeconomics: Theory and Policy (3rd ed.). New Delhi: McGraw Hill Education. 2. Ahuja, H. L. (Latest Edition). Macroeconomics: Theory and Policy. New Delhi: S. Chand Publishing.

Evaluation Pattern:

Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs based on each unit OR 12 VSAQs based on each unit (3 MCQs OR 3 VSAQs Per Unit, best 10 will be evaluated.) (10 × 2 OR 10 × 2 = 20 Marks)	CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / VIVA-VOCE (carry 20 Marks)
	Total: 60 Marks	Total: 40 Marks

OR

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAMI5B)
Semester III (Minor – Business Procedure and Practices)
(To be implemented from 2024 – 25)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program Code

BCOMCA

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature



Program Name	B.Com. (Computer Application)
Course Code	BCOM5CAMI5B
Course Name	Business Procedure and Practices
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (Min passing marks – 24 + 16 = 40)
Group under NEP scheme	Minor
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand and execute essential business procedures in a professional environment.
CO 2	Prepare and manage standard business documents and correspondence.
CO 3	Demonstrate knowledge of business communication, meetings, and workflow management.
CO 4	Apply business etiquette, ethics, and legal standards in practice.
CO 5	Utilize modern business tools and software for efficient operations.
Syllabus: Contents	
Unit I (12 Hours)	Introduction to Business Procedures Nature and scope of business procedures, Role of administrative systems, Business organization types and their internal workflows, Roles and responsibilities in business environments
Unit II (11 Hours)	Business Communication and Documentation Professional written communication (emails, memos, letters), Report writing and executive summaries Record keeping and filing systems (manual and electronic), Document lifecycle and version control, Maintenance Records and Documentation, Manage Routine Office Activities, Managing Phone Calls, Organizing Meetings
Unit III (11 Hours)	Office Operations and Business Tools Scheduling and calendar management, managing meetings: agendas, minutes, follow-ups, Office software: word processing, spreadsheets, presentations, Digital collaboration tools (e.g., MS Office, Google Workspace, Slack), Types of Office Equipment, Working with Printers, Scanners and LCD Projectors, Working with Audio and Video Applications, Material and Energy Conservation Practices



Unit IV (11 Hours)	Ethics, Etiquette, and Legal Aspects Business etiquette and interpersonal skills, Confidentiality and workplace ethics, Basic understanding of business laws (contracts, data privacy), Health, safety, and compliance in office settings	
Textbooks / Reference Books:	• Business Communication: Process and Product by Mary Ellen Guffey & Dana Loewy • Administrative Office Management by Pattie Gibson • Microsoft Office or Google Workspace manuals and tutorials • Sample business procedure manuals from organizations (public domain)	
Evaluation Pattern:		
Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 marks)	CIE 1(carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs or 3 VSAQs from each unit) (Best 10 will be evaluated) (10 × 2 OR 10 × 2 = 20 marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

OR

\$

Chandak

7/12/20

Subir



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAMI5C)
Semester V (Minor – Introduction to Taxation)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

\$

Chandak

2024

Intelligent



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM5CAMI5C
Course Name	Introduction to Taxation
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (<i>Min passing marks – 24 + 16 = 40</i>)
Group under NEP scheme	Minor
Pre-requisites for the course	• Basic knowledge of income and simple tax terms. • Understanding of different types of Income. • Simple knowledge of different sources of income(salary,House)

Course Outcomes: *The students will be able to:*

CO 1	Understand the basic concepts of Income Tax, including previous year, assessment year, and tax rules.
CO 2	Compute income under different heads like salary, house property, business, capital gains, and other sources.
CO 3	Understand the clubbing of income and how income of other persons is included in total income.
CO 4	Learn set-off and carry forward of losses and how to adjust losses with income.
CO 5	Calculate total taxable income after deductions from gross total income.

Syllabus:	Contents
Unit I (11 Hours)	Basic Concepts– Income Tax Law: - An Introduction, important definition in the income tax 1961. Concepts of Previous Year and assessment year, basic of charge and rates of tax (Theory).
Unit II (11 Hours)	Step by step procedure for computation of total income and tax payable: - Step by step procedure for computation of total income and tax payable, meaning of agriculture income and partial integration of agriculture income with non-agricultural income for computation of tax payable (Theory and numerical).

Handwritten signatures and marks at the bottom of the page.



Unit III (11 Hours)	Residential status and scope of total income: - Determination of residential status of different persons and scope of income to be included in their total income based on the residential status. (Theory and Numerical).
Unit IV (12 Hours)	Heads of income and provisions governing computation of income under different heads. Salaries and income from house property. Student will be able to file ITR online (Theory and Numerical).
Textbooks / Reference Books:	1. Direct taxes law and practice (Dr. Vinod k. Singhania, Dr. Kapil Singhania) Taxmann publication Pvt. Ltd. 2. Income tax law and practice (V. P. Gaur, D. B. Narang, Pooja Gaur, Rajeev Puri) Kalyani publishers. 3. Income tax law and practice (K. C. Jain, V. P. Gaur, D. B. Narang)

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1 (carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs or 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1 (carry 5 marks) Assignment 2 (carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks

[Signature]

[Signature]

[Signature]

[Signature]



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAOE6)
Semester V (OE: Customer Relationship Management)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

For reference: PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B. Com (Computer Application) *
Course Code	BCOM5CAOE6
Course Name	Customer Relationship Management
No. of Credits	02
Teaching Hours	30
Evaluation Scheme	60 (End Semester Examination -Min passing marks 24)) + 40 (Practical Examination - Min passing marks 16) = 100 marks (Min passing marks 40)
Group under NEP scheme	Open Elective
Pre-requisites for the course	-

Course Outcomes *The students will be able to:*

CO 1	Explain the concepts of consumer behaviour and retail market segmentation, and analyse consumer decision-making in relation to customer value, satisfaction, and retention.
CO 2	Describe the fundamentals of Customer Relationship Management (CRM) and examine its role in managing customer touch points, identifying buying behaviour, and enhancing sales and customer service performance.
CO 3	Identify and explain the key elements of CRM and customer service management, including complaint handling, service quality, teamwork, and the application of CRM systems for continuous service improvement.
CO 4	Apply customer service processes and decision-making practices to effectively handle customer concerns, resolve complaints, and implement customer redressal strategies in B2C and B2B retail environments.
CO5	Evaluate consumer behaviour and Customer Relationship Management practices to <i>design and recommend</i> effective customer engagement, service, and retention strategies that enhance customer satisfaction and business performance in retail environments.

Syllabus:	Contents
Unit I (8 Hours)	Overview of Consumer Behaviour: Retail market segmentation – Criteria for segmentation – Approach for Segmentation – Composite segmentation approach. Consumer Behaviour – Definition and Scope – Need for studying Consumer Behaviour. Consumer Behaviour and Decision Making – Consumer value, satisfaction and retention.
Unit II (8 Hours)	Introduction to CRM: Characteristics of customer touch points at the retail store and their significance wrt Sales and Customer Service, customer need identification process, process for identifying buying behavior, benefits of Customer Relationship Management (CRM) and its implication on providing solutions to the customers and Business, Components of CRM, Role of CRM in marketing and sales, Principles of CRM, Customer Relationship Management Strategies, Impact of CRM on business revenues.

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature



Unit III (7 Hours)	Elements of CRM: Elements of customer service management: Types of customers, complaint handling & resolution, delivery of reliable service, process for continuous customer service improvement, significance of teamwork in meeting the expectations of customers, CRM systems and their uses.	
Unit IV (7 Hours)	Customer Services: Processes and practices of customer engagement, providing customer service in B2C and B2B retail environment, how to handle customer service concerns, best practices followed in resolving customer complaints, decision-making processes in addressing customer service problem, addressing customer grievances, Customer Redressal System & strategies.	
Textbooks / Reference Books:	1. Retail Management – Functional Principles & Practices 5th edition by Dr Gibson Vedamani Published by Pearson 2. Retail Sales Associate & Retail Team Leader – RASCI Course Material 3. Consumer Behaviour: The Indian Context (Concepts and Cases) Second Edition By Pearson – S Ramesh Kumar 4. "Retailing: Integrated Retail Management" by Pradip Sinha Publisher: Oxford University Press 5. Retail Management: A Strategic Approach" by Barry Berman, Joel R. Evans, and Patrali Chatterjee, Publisher: Pearson	
Evaluation Pattern:		
Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs based on each unit OR 12 VSAQs based on each unit (3 MCQs OR 3 VSAQs Per Unit, best 10 will be evaluated.) (10 × 2 OR 10 × 2 = 20 Marks)	CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / VIVA-VOCE (carry 20 Marks)

Handwritten signatures and initials at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAVSC4)
Semester V (VSC- Oracle SQL)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

For reference: PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

\$

Shandak

Shandak

Shandak



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM5CAVSC4
Course Name	Oracle SQL
No. of Credits	02 (Theory-1, Practical -1)
Teaching Hours	15 + 30 = 45
Evaluation Scheme	60 (End Semester Examination -Min passing marks 30) + 40 (Practical Examination - Min passing marks 20) = 100 marks (Min passing marks 50)
Group under NEP scheme	VSC (Vocational Skill Course)
Pre-requisites for the course	Basic Knowledge of Database Management System

Course Outcomes: *The students will be able to:*

CO 1	Use DDL and DML commands to access and manipulate the database
CO 2	Apply various SQL commands and operators to manage database operations.
CO 3	Evaluate different data constraints for maintaining integrity of the given database.
CO 4	Communicate with databases using SQL

Syllabus:	Contents
Unit I (5 Hours)	Structured Query Language: Table fundamentals, DDL Commands: Creating Table, modifying the structure of tables, drop table and truncating table. DML Commands: Insert data into table, updating the contents of a table, viewing data in the tables, delete operations
Unit II (5 Hours)	DRL Command: Select statement, Eliminating duplicate rows when using a select statement, where clause, Grouping data from tables in SQL.
Unit III (5 Hours)	Data Constraints, Types of data constraints, defining different constraints on a table, ORACLE functions, Date conversion functions, Data functions, Miscellaneous functions, Grouping data from tables in SQL, Sub queries, Joins, concatenating data from table columns, using the UNIONS, INTERSECT and MINUS clause.

Handwritten signatures and marks at the bottom of the page.



Textbooks / Reference Books:	TEXT BOOK: 1. Ivan Bayross, SQL, PL/SQL, BPB Publications. 2. DBMS and Oracle, S. B. Kishor	
Evaluation Pattern:		
Sr. No	Theory (60 marks)	Practical (40 marks)
1	30 MCQ based on each unit. (10 MCQs from each unit) (30 × 2 = 60 marks)	Practical 1 = 10marks Practical 2 = 10marks Practical File = 10marks Presentation / Viva –Voce = 10marks
	Total: 60 marks	Total: 40 marks

PRACTICAL LIST (30 Hours)

1 Create the following tables.

Table Name:-CUST

-CUST

FIELDS	DATATYPE	CONSTRAINT
CUST_ID	VARCHAR2(3)	NOT NULL
L_NAME	VARCHAR2(15)	
F_NAME	VARCHAR2(15)	
AREA	VARCHAR2(2)	
PHONE_NO	NUMBER(8)	

Table Name:-MOVIE

FIELDS	DATATYPES	CONSTRAINT
MV_NO	NUMBER(2)	NOT NULL
TITLE	VARCHAR2(25)	
TYPE	VARCHAR2(10)	
STAR	VARCHAR(25)	
PRICE	NUMBER(8,2)	

Table Name:-INVOICE

FIELDS	DATATYPES	CONSTRAINT
INV_NO	VARCHAR2(3)	NOT NULL

Handwritten signatures and marks at the bottom of the page.



MV_NO	NUMBER(2)	
CUST_ID	VARCHAR2(3)	
ISSUE_DATE	DATE	
RETURN_DATE	DATE	

2. Insert the following data into the created tables.

Table Name:-CUST

CUST_ID	L_NAME	F_NAME	AREA	PHONE_NO
A01	BHIMA	ISHWAR	SA	6125467
A02	SAWAI	VIJAY	MU	5560379
A03	JAISWAL	PRAMOD	DA	4563891
A04	NEWARE	BASU	BA	6125401
A05	SREEDHARAN	RAVI	VA	
A06		RAJESH	GH	5125274

Table Name: MOVIE

MV_NO	TITLE	TYPE	STAR	PRICE
1	BLOODYVENGEANCE	ACTION	JACKIECHAIN	180.95
2	THEFIRM	THRILLER	TOMCRUISE	200
3	PRETTYWOMEN	ROMANCE	RICHARDGERE	150.55
4	HOMEALONE	COMEDY	MACAWAYCULLUIN	150
5	THEFUGITIVE	THRILLER	HARRISONFORD	100
6	COMA	SUSPENCE	MICHAELDOUGLAS	200
7	DRACULA	HORROR	GRAYOLDMAN	150.25
8	QUICKCHANCE	COMEDY	BILLMURRAY	100
9	GONE WITHTHEWIND	DRAMA	CLARKGABLE	200
10	CARRYONDOCTOR	COMEDY	LESLIEPHILLIPS	100

Table Name:-INVOICE

INV_NO	MV_NO	CUST_ID	ISSUE_DATE	RETURN_DATE
I01	4	A01	23-JUL-93	25-JUL-93
I02	3	A02	12-AUG-93	15-AUG-93
I03	1	A03	10-AUG-93	18-AUG-93
I04	6	A04	05-SEP-93	13-SEP-93
I05	7	A04	05-AUG-93	08-AUG-93
I06	2	A04	18-SEP-93	21-SEP-93
I07	9	A05	07-JUL-93	10-JUL-93
I08	9	A01	11-AUG-93	14-AUG-93
I09	5	A03	06-JUL-93	09-JUL-93
I10	8	A06	03-SEP-93	06-SEP-93

Handwritten signatures and marks at the bottom of the page.



◆ E1

1. Print the entire CUST table.
2. Calculate the average price of all the movies.
3. Count separately the number of movies in the 'Comedy' and 'Thriller' types.
4. Find the customer's name and area for invoice number 'I10'.
5. Change the area of cust_id 'A03' to 'VS'.

◆ E2

1. Retrieve the list of first name (fname) and area of all customers.
2. Count the number of movies having price ≥ 150 .
3. Find the number of movies in each type.
4. Find the names and movie numbers of all customers who have been issued movies.
5. Change the issue date of cust_id 'A01' to 24/07/93.

◆ E3

1. Find the names of all customers.
2. Count the total number of customers.
3. Calculate the average price for each type that has a maximum price of 150.
4. Display the movie number and the day on which customers were issued movies.
5. Change the telephone number of 'Pramod' to 466389.

◆ E4

1. List the various movie types available from the MOVIE table.
2. Calculate the total price of all the movies.
3. Print the type and average price of each movie.
4. Find the movie number which has been issued.
5. Change the price of 'Gone with the Wind' to Rs. 250.00.

◆ E5

1. Find the last names of all customers that begin with 'H' or 'J'.
2. Count the number of movies having price ≥ 150 .
3. Calculate the average price of all movies where type is 'Comedy' or 'Thriller' and price ≥ 150 .
4. Find the title and type of movies issued to 'Vijay'.
5. Delete the record with invoice number 'I08' from the INVOICE table.

◆ E6

1. Find the list of all customers staying in area 'DA', 'MU', or 'GH'.
2. Determine the maximum and minimum movie price.
3. Find the number of movies in each type.

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature



4. Find the names of customers who have been issued movies of type 'Drama'.
5. Delete all records having return date before 10th July 1993.

◆ E7

1. Find movies with price > 150 and ≤ 200 .
2. Count the total number of customers.
3. Count separately the number of movies in 'Comedy' and 'Thriller' types.
4. Find customers who have been issued movie number '9'.
5. Change the return date of invoice number 'I08' to 16-08-93.

◆ E8

1. Calculate the square root of the price of each movie.
2. Calculate the average price of all movies.
3. Calculate the average price of movies where type is 'Comedy' or 'Thriller' and price ≥ 150 .
4. Find the names of movies issued to 'Vijay' and 'Ishwar'.
5. Change the issue date of cust_id 'A01' to 24/07/93.

◆ E9

1. Find the names of customers having 'a' as the second letter in their first name.
2. Calculate the total price of all movies.
3. Print the type and average price of each movie.
4. Find the first name and last name of customers who have been issued movies.
5. Change the price of 'Gone with the Wind' to Rs. 250.00.

◆ E10

1. Find customers staying in areas whose second letter is 'a'.
2. Determine the maximum and minimum movie price.
3. Count the average price for each type that has a maximum price of 150.
4. Select title, cust_id, and movie number for all issued movies.
5. Change the telephone number of 'Pramod' to 466389.

◆ E11

1. Find movies with price > 150 and ≤ 200 .
2. Calculate the average price of all movies.
3. Count the average price for each type that has a maximum price of 150.
4. Check if a movie starring 'Tom Cruise' is issued and print the cust_id.
5. Change the price of 'Gone with the Wind' to Rs. 250.00.

◆ E12

1. Find movies of type 'Action' and 'Comedy'.

Handwritten signatures and marks at the bottom of the page.



2. Count the number of movies having price ≥ 150 .
3. Calculate the average price of movies where type is 'Comedy' or 'Thriller' and price ≥ 150 .
4. Find customer names and phone numbers who were issued movies before August.
5. Change the area of cust_id 'A03' to 'VS'.

◆ E13

1. Find movies with price > 150 .
2. Calculate the total price of all movies.
3. Find the number of movies in each type.
4. Find the type and movie number issued to cust_id 'A01' and 'A02'.
5. Delete the record with invoice number 'I08' from the INVOICE table.

◆ E14

1. Divide the cost of movie 'Home Alone' by the difference between its price and 100.
2. Count the number of movies having price ≥ 150 .
3. Print the type and average price of each movie.
4. List the movie number and movie name issued to all customers.
5. Change the issue date of cust_id 'A01' to 24/07/93.

◆ E15

1. List movies in sorted order of their title.
2. Calculate the total price of all movies.
3. Find the number of movies in each type.
4. Find the date 15 days after the current date.
5. Change the telephone number of 'Pramod' to 466389.

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM5CAFP1)
Semester V (FP 1 - Field Project)
(To be implemented from 2026 - 27)

(02 Credits for 100 Marks)

**[A-2] EVALUATION REPORT OF FIELD PROJECT/COMMUNITY
ENGAGEMENT PROJECT**

Bachelor of Commerce in Computer Application (BCCA) (Major Subject) Examination,

Name of Student: _____

FP/CEP Title: _____

Roll No. _____ Semester _____ Max. Marks: 100

CRITERION	Parameters	Score
Continuous internal Evaluation (CIE)	Regularity, punctuality, sincerity, and overall feedback from the supervisor and community <i>(To be evaluated by the internal teacher)</i>	out of 50
Description UN SDG Related to FP/CEP*	Detailed description of United Nations Sustainability Development Goals (SDGs) related to FP/CEP undertaken by the student. The degree and extent of such related SDGs should be clearly mentioned	out of 10
Description of Respondent Profile/Community Profile & Listing of goals/objectives/ Outcomes of FP/CEP*	A detailed description (Including Statistical Data) of the respondents / community where the FP/CEP is being undertaken. Clear Mention of issues/problems under study to be included. Comprehensive Listing of goals/objectives/Outcomes of FP/CEP	out of 10

\$ chandak Jatin



Application of theoretical Knowledge*.	Details of the work done or project implemented during FP/CEP is documented in detail. The theoretical basis is used to identify the various issues related to the problem under consideration	out of 10
Conclusions and Recommendations *	Specific Conclusions based on empirical evidences. Recommendations based on practical feasibility	out of 10
Feedback from concerned organization/ Community Head*	An authentic Company Certificate of completion /appreciation clearly classifying the performance of the student as Excellent / Above Average or Good/ Average or Satisfactory /below average .	out of 10
* Based on the Report submitted by the student, evaluated by the external examiner		Total Marks Scored out of 100
Name and Signature of Internal Examiner		Name and Signature of External Examiner

As per the guidelines of FP applicable to all UG Program under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]



SEMESTER VI

Computer Application (Semester VI)				Teaching Scheme / Total Hours Per Week			Examination Scheme								
Sr · No	(Bachelor of Commerce)	Cours e Type	Course Code	Theory	Practical	Total	Max. Marks (SEE Theory)	Min. Mark (SEE Theory)	Max. Marks (SEE Practical)	Min. Marks (SEE Practical)	Max. Marks (CIE)	Min. Mark (CIE)	Total	Min. Marks	Credit
1	PYTHON	Major	BCOM6CAM9	2	4	6	40	20	20	10	40	20	100	50	4
2	AI & ML	Major	BCOM6CAM10	4	-	4	60	24	-	-	40	16	100	40	4
3	Core JAVA	Major Elective	BCOM6CAM E2A	2	4	6	40	20	20	10	40	20	100	50	4
	C#.NET		BCOM6CAM E2B												
4	Business Laws	Minor	BCOM6CAMI 6A	3	-	3	60	24	-	-	40	16	100	40	3
	Retail Management		BCOM6CAMI 6B												
	NBFC and Micro Finance		BCOM6CAMI 6C												
5	Field Project	FP	BCOM6CAFP 2	-	4	4	-	-	60	30	40	20	100	50	2
6	On-the-Job Training	OJT	BCOM6CAOJ T1	-	8	8			60	30	40	20	100	50	4
			Total	11	20	31	200	88	160	80	240	112	600	280	21

Minimum Passing Marks for theory 40% i.e. 40 & Minimum Passing Marks for Practical 50% i.e. 50
Course Type: Major, Minor, VSC, SEC, VEC, IKS, AEC, OJT/RP/CEP/Internship, OE.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAM9)
Semester VI (Major-Python)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Program-Code

BCOMCA

Handwritten signatures and initials at the bottom of the page.



Program Name	B. Com (Computer Application)
Course Code	BCOM6CAM9
Course Name	Python
No. of Credits	04 (Theory-2, Practical-2)
Teaching Hours	30 + 60 =90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 marks (Min passing marks – 50)
Group under NEP scheme	Major
Pre-requisites for the course	Basic Knowledge of Programming
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand why Python is a useful scripting language for developers.
CO 2	Apply the methods to create and manipulate Python programs by utilizing the data structures like lists, dictionaries, tuples and sets
CO 3	Understand and express proficiency in the handling of strings and functions.
CO 4	Perform transaction using database.
CO5	Create a software application using the Python programming language
Syllabus: Contents	
Unit I (8 Hours)	Getting Started -Introducing python, Installing*python on windows, Installing python on Linux, Meeting the interpreter, Writing your first program, Employing variables, Obtaining user input, Correcting Errors. Performing operations-Doing arithmetic, Assigning values, Comparing Values, Assessing logic. , Examining Conditions, Setting precedence, casting data types, Manipulating bits. Making statements - Writing lists, Manipulating lists, Restricting lists, associating list elements, Branching with if, Looping while true, Looping over items, Breaking out of loops.
Unit II (8 Hours)	Defining Functions-Understanding scopes, Supplying arguments, Returning Values, Using callbacks, Adding placeholders, producing generators, Handling exceptions, Debugging assertions. Importing Modules -Storing functions, Owing function names, Interrogating the system, Performing mathematics, Calculating decimals, Telling the time, Running a timer, Matching patterns.
Unit III (7 Hours)	Managing strings -Manipulating strings, Formatting strings, Modifying strings, Accessing files, Reading and writing files, Updating file strings, Pickling data Programming objects, Encapsulating data,* Creating instance objects, Addressing class attributes, Examining built-in attributes, Collecting garbage, Inheriting features, Overriding base methods, Harnessing polymorphism.



Unit IV (7 Hours)	Python GUI & CGI Programming and Python database connectivity. Python GUI Programming (Tkinter): Tkinter Programming example, Tkinter widges, standard attributes, geometry management Python CGI Programming: CGI Architecture, First CGI Program, HTTP Header, CGI Environment Variables, GET and POST Methods, Simple FORM Example: Using GET Method, Passing Information Using POST Method Python database connectivity: Establishing connection, insert, retrieve, delete, and rollback and commit operations.		
Textbooks / Reference Books:	Text Book: 1. Mike McGrath, Python in easy steps, McGraw-Hill. 2. Core Python Programming Wesley J. Chun Publisher: Prentice Hall PTR First Edition Reference Books: 1. Charles Dierbach, Introduction to Computer Science using Python, Wiley. 2. Laura Cassell& Alan Gauld, Python Projects, Wrox A Wiley Brand. 3. Allen B. Downey, Think Python, Shroff Publishers, O'Reilly. 4. Paul Greis, Jennifer Campbell, Jason Montojo, Practical Programming – An Introduction to Computer Science using Python, Shroff Publishers.		
Evaluation Pattern:			
Sr. No.	Theory (40 Marks)	Practical (20 marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	Practical 1 - 05marks Practical2 -05 marks Practical File -5 marks Viva- Voce - 5 marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) CIE 3 - Assignment 1,(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / Viva-Voce (carry 20 Marks)
	Total: 60 Marks	Total: 20 marks	Total: 40 Marks

PRACTICAL LIST (60 Hours)

1. Write a Python program to convert the given temperature from Fahrenheit to Celsius and vice versa depending upon user's choice.
2. Write a Python program to input any 10 numbers and display the unique numbers in sorted order after removing the duplicate entries.

[Handwritten signature]

Chandak

[Handwritten signature]

[Handwritten signature]



3. Write a Python program to calculate total marks, percentage and grade of a student. Marks obtained in each of the three subjects are to be input by the user. Assign grades according to the following criteria:

Grade A: Percentage ≥ 80

Grade B: Percentage ≥ 70 and < 80

Grade C: Percentage ≥ 60 and < 70

Grade D: Percentage ≥ 40 and < 60

Grade E: Percentage < 40

4. Write a Python program to find the area of rectangle, square, circle and triangle by accepting suitable input parameters from user using user-defined function.

5. Write a Python program to input any 10 numbers and find out the second largest number without using sort function.

6. Write a program to demonstrate the concept of method overriding in python.

7. Write a program to demonstrate the concept of inheritance in python.

8. Write a program to create three buttons labeled as red, green and blue respectively. Background color of the window should be change accordingly when user click on the button.

9. Write a program for gender selection using radio button. When the user clicks on submit button it should display the selected gender on a label.

10. Write a program to select a course from list box. When the user clicks on submit button, it should display the message about selected course.

11. Write a program that allows the user select the items using checkbox. When the user clicks on submit button it should display the selected items name.

12. Write a program to print first 10 prime numbers.

13. Write a program to connect with database and store record of employee and display records.

14. Write a program to connect with database and search employee number in table employee and display record, if empno not found, display appropriate message

15. Write a program to connect with database and update the employee record of entered empno. Program to connect with database and delete the record of entered employee number.

Handwritten signatures and marks at the bottom of the page.



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAM10)
Semester VI (Major-AI and ML)
(To be implemented from 2026 -27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

[Signature]

Chandak

[Signature]

[Signature]



Program Code	BCOMCA
Program Name	B. Com (Computer Application)
Course Code	BCOM6CAM10
Course Name	AI and ML
No. of Credits	04
Teaching Hours	60
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (<i>Min passing marks - 40</i>)
Group under NEP scheme	Major
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Use the obtained knowledge to differentiate between different computing paradigms.
CO 2	Understand the ways to develop and deploy the cloud fundamentals programs.
CO 3	Classify various service delivery models of a cloud computing architecture and management of cloud.
CO 4	Describe the cloud service Model and understand the importance of its service providers.
CO5	Summarize the cloud available platform for business in industry perspective
Syllabus:	Contents 15 Hours Per Unit
Unit I	Introduction to AI: What is AI? History & Applications, Intelligence System: What is Intelligence? Types of Intelligence, what is Intelligence Composed of AI? Artificial Intelligence vs. Human Intelligence. Research Areas of AI: Speech and Voice Recognition, Working of Speech and Voice Recognition Systems, Real Life Applications of Research Areas, Task Classification of AI. Agents and Environments: What are Agent and Environment? The Structure of Intelligent Agents, The Nature and properties of Environments.
Unit II	Fuzzy Logic Systems: What is Fuzzy Logic? Why Fuzzy Logic? Fuzzy Logic Systems Architecture, Application Areas of Fuzzy Logic, Advantages and Disadvantages of FLS. Expert Systems: Characteristics of ES, Capabilities, Components, what is Knowledge? Inference Engine, User Interface, Limitations, benefits and Applications of Expert System, Development of Expert Systems: General Steps. Robotics: What is Robotics? Difference in Robot System and Other AI Program, Robot Locomotion, Components of a Robot, Computer Vision, Application Domains of Computer Vision, Applications of Robotics.



Unit III	Introduction to Machine Learning: Human learning & its types, Machine learning and its categories (Supervised, unsupervised, reinforcement), Algorithms for Supervised Learning- k-Nearest Neighbours, Decision Trees, Naive Bayes, Logistic Regression, Support Vector Machines, Algorithms for Unsupervised Learning- k-means clustering, Cluster Identification, Comparison- Supervised, unsupervised, reinforcement, Machine learning using deep learning-black box approach, duration of development, application of deep learning. Problems not to be solved using Machine Learning, Applications of Machine learning, Tools in Machine Learning, Issues in Machine Learning.
Unit IV	Preparing to Model: Machine-learning activities, Basic types of data in machine Learning, exploring structure of data (Numerical data, Categorical data), Data quality and remediation, Data Preprocessing-Dimensionality Reduction, Feature Subset Selection. Machine learning using Neural Networks-Introduction of ANN, architecture of ANN-Single layer feed forward network, Multi-layer feed forward ANN's, Competitive network, Recurrent Network, Learning Process in ANN-Number of layers, Direction of single flow, Number of nodes in layers.
Textbooks / Reference Books:	Text Book: 1. E.Rich and K. Knight, Artificial Intelligence, Tata McGraw Hill, 2008, 2.Machine Learning by Subramanian Chandramouli, Saikal Dutt, Amit Kumar Das Reference Book: 1. S, Russell and P. Norvig, Artificial Intelligence: A Modern Approach, 3rd edition, Pearson Education, 2015. 2. Introduction to Machine Learning by Dr. Nilesh Shelke, Dr, Narendra. V.Choudhary, Dr. Gopal Sakarkar, Das Ganu Publications

Evaluation Pattern:

Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs based on each unit OR 12 VSAQs based on each unit (3MCQs OR 3 VSAQs Per Unit, best 10 will be evaluated.)(10×2 OR $10 \times 2 = 20$ Marks)	CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / VIVA-VOCE (carry 20 Marks)
	Total: 60 Marks	Total: 40 Marks

[Signature]

Chandale

[Signature]

[Signature]

[Signature]



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAME2A)
Semester VI (Major Elective-Core Java)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM6CAME2A
Course Name	Core Java
No. of Credits	04 (Theory- 2, Practical –2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination– <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 marks (Min passing marks – 50)
Group under NEP scheme	Major Elective
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Learn basic concepts Java Programming Language.
CO 2	Acquire knowledge of control structures.
CO 3	Apply object-oriented programming techniques to building classes, creating objects
CO 4	Analyze different forms of inheritance.
CO5	Develop multithreaded applications with synchronization.
Syllabus: Contents	
Unit I (8 Hours)	Java History and Introduction - Java history, Java features How java differs from C and C++, Java and internet, Java and world wide web, Java environment. Simple Java programs, Java program structure, Java tokens, Java virtual machine, Command line arguments. Variables, Data Types and Simple I/O – Variables, Data Types, Scope of variables, Symbolic constants, Type casting, Getting Simple User Input. Operators in java-Introduction, Arithmetic operators, Relational operators, Logical operators, Assignment operators, Increment and decrement operators, Conditional operators, Bitwise operators, Special operators
Unit II (8 Hours)	Decision Making and Branching –If...Else statement, Nesting of If...Else statement, the switch statement, The? : Operators. Decision Making and Looping – Introduction, The while statement, the do statement, for statement, Jumps in loops, Labeled loops. Arrays, Strings – One Dimensional Array, Two Dimensional Array, Strings.
Unit III (7 Hours)	Classes, Objects and Methods – Introduction, Defining a class, Methods declaration, Creating objects, Accessing class members, Constructors, Method overloading, Static members, Inheritance: Extending a class, Overriding methods, Final variables and methods, Final classes, Finalizer methods, Abstract methods and classes, Visibility Controls. Interfaces: – Introduction, Defining interfaces, Implementing interfaces, Accessing interface variables.

\$

Shandale

J.B. Singh

J.B. Singh



Unit IV (7 Hours)	Packages:- Introduction, Java API Packages, Using system packages, Naming conventions, Creating packages, Accessing a package, Using a package. Introduction to Thread - Creating threads, Life cycle of thread. Managing Errors and Exceptions – Introduction, Types of errors, Exceptions, Syntax of exceptions handling code, catch statements, using finally statements, throwing our own exceptions.
Textbooks / Reference Books:	Text Book: 1. E. Balagurusamy, Programming with Java, McGraw-Hill. Reference Books: 1 Java Programming for the absolute beginner, PHI, Joseph P. Russel 2. Schildt, The Complete Reference Java 2, McGraw-Hill. 3. Rashmi Kanta Das, Core Java for Beginners, Vikas Publishing. 4. Joel Murach, Murach's Java Programming, Shroff Publishers. 5. Mike Mcgrath, Java in Easy Steps, McGraw-Hill

Evaluation Pattern:

Sr. No.	Theory (40 Marks)	Practical (20 marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	Practical 1 - 5marks Practical2 -5 marks Practical File -5 marks Viva- Voce-5 marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 Marks	Total: 20 marks	Total: 40 Marks

PRACTICAL LIST (60 Hours)

1. Write an algorithm, draw a flowchart and develop a Java program to accept a number from the user and print its factorial.
2. Write an algorithm, draw a flowchart and develop a Java program to accept three numbers from the user and print the largest number.
3. Write an algorithm, draw a flowchart and develop a Java program to print first 10 prime numbers.
4. Write an algorithm, draw a flowchart and develop a Java program to print the following designs –



**

5. Write an algorithm, draw a flowchart and develop a Java program to accept any 10 numbers from the user to store it in an Array and print the largest of all.
6. Write an algorithm, draw a flowchart and develop a Java program to accept 10 names from the user to store them in array of string and print them in Alphabetical order.
7. Write an algorithm, draw a flowchart and develop a Java program to demonstrate multilevel inheritance.
8. Write an algorithm, draw a flowchart and develop a Java program to demonstrate object references.
9. Write an algorithm, draw a flowchart and develop a Java program to declare abstract class student having methods get Name(), show Name() and define these methods in another class B and access them.
10. Write an algorithm, draw a flowchart and develop a Java program to accept any digit number from the user and print its reverse.
11. Write an algorithm, draw a flowchart and develop a Java program to demonstrate method overriding and method overloading.
12. Write an algorithm, draw a flowchart and develop a Java program to find area of rectangle, square, cylinder using the concept of method overloading.
13. Write an algorithm, draw a flowchart and develop a Java program to accept a number from the user and search that number in array of numbers.
14. Create a class named EmpAccDetails, add a method getEmpAccDetails to accept Account Details of Employee such as Income tax paid, gross salary, basic salary, HRA, Page 3 of 3 allowance. Add this class to a package EMP. Create another class called EmpDetails with method getEmpPerDetails, also access getEmpAccDetails in the same class by importing the EMP Package.
15. Write an algorithm, draw a flowchart and develop a Java program to handle the Exception using try and multiple catch blocks.

OR

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAME2B)
Semester VI (Major Elective-C#.NET)
(To be implemented from 2026 - 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES(PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]



Program Code	BCOMCA
Program Name	B.Com (Computer Application)
Course Code	BCOM6CAME2B
Course Name	C#.NET
No. of Credits	04 (Theory- 2, Practical –2)
Teaching Hours	30 + 60 = 90
Evaluation Scheme	40 (End Semester Examination – <i>Min passing marks - 20</i>) + 20 (Practical Examination – <i>Min passing marks - 10</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 20</i>) = 100 marks (Min passing marks – 50)
Group under NEP scheme	Major Elective
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understands the concept of .NET Framework and its architecture.
CO 2	Understand the basic concepts of C# programming language
CO 3	Implement OOPs concepts in C#.
CO 4	Develop applications using the .NET Framework,
CO5	Work with different databases, retrieve, manipulate and view data in different data controls using ADO.Net.
Syllabus: Contents	
Unit I (8 Hours)	The .NET Technology Introduction to .NET Framework, Architecture of .NET framework– BCL (Base Class Library), CLR (Common Language Runtime), NET Languages – introduction, Types of applications supported by .NET Technology, Managed code, compilation to intermediate language, Just-In-Time compilation, garbage collection, assemblies and the GAC
Unit II (8 Hours)	C# Basics: Data Types, Variables & Constants, Operators in C#, Arithmetic Operators, Prefix and Postfix notation, Assignment Operators, Relational Operators, Other Operators, Operators precedence, Flow Control and Conditional Statements if-else statement, switch statement, Loops in C#, for loop, do-while loop, Array in C#, for each Loop.
Unit III (7 Hours)	Object and Classes-I: Concept of a class, Objects, Fields, Methods, Instantiating the class, Accessing the members of a class, Access modifiers, Properties, Static members of the class, Constructors, Destructors, Overloading Constructors, Value types (out & ref keywords), sealed keyword, Inheritance, Polymorphism, Overriding the methods, the new keywords, Type casting, is and as keywords, Boxing and Un-boxing, Structures, Enumeration, Nested Classes, Abstract classes, Exception handling, Delegates & Events.



Unit IV (7 Hours)	ASP.NET – I Overview of ASP.NET framework, ASP.NET Page – layout, lifecycle, Stages in Web Forms Processing, Introduction to Server Controls, HTML Controls, Validation Controls, User control, Data Binding Controls, Configuration, Session State, Adding controls to a web form, Buttons, Text Box , Labels, Checkbox, Radio Buttons, List Box, etc, Master Pages, themes and skins ,Overview of ADO.NET, Benefits of ADO.NET, ADD.NET compared to classic ADO, ADO.NET architecture (Connected and Disconnected), State Management, Using Database connection. Working with Data Sets, Managed Providers, Data Binding, Typed Data Sets, Working with Data Reader, Transactions.
Textbooks / Reference Books:	Text Books: 1. Platt ,D S (2005), “Introducing Microsoft .Net”, Microsoft Press,PHI. 2. Simon et. al(2005), “ C# for Beginners”, Wrox Publications. 3. Simon et. al(2005), “Professional C#”, Wrox Publications. Reference Books Andrew Troelsen, Philip Japikse, : C# 6.0 and the .NET 4.6 Framework, Apress, 2017. Black Book: .NET 4.5 Programming (6-in-1),covers .NET 4.5 Framework, Visual Studio 2012, C#2012, ASP.NET 4.5, VB 2012, and F# 3.0, Dreamtech Press, 2013. Matthew MacDonald: Beginning ASP.NET 4.5 in C#, Apress, 2013. G. Andrew Duthie, “ASP.NET programming with Microsoft Visual C#.NET Step by Step”, version 2003, Prentice-Hall of India Schildt,H(2005), “The Complete Reference C #”,TMH.

Evaluation Pattern:

Sr. No.	Theory (40 Marks)	Practical (20 marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	Practical 1 - 05marks Practical2 -05 marks Practical File -5 marks Viva- Voce-5 marks	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks) CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / Viva-Voce (carry 20 Marks)
	Total: 40 Marks	Total: 20 marks	Total: 40 Marks

PRACTICAL LIST (60 Hours)

1. Write an algorithm, draw a flowchart and develop a C#.Net console application to check whether the entered number is even or odd.
2. Write an algorithm, draw a flowchart and develop a C#.Net console application to develop Boxing and Unboxing concept.



3. Write an algorithm, draw a flowchart and develop a C#.Net console application to calculate the reverse of a number, to check the given number is palindrome or not.
4. Write an algorithm, draw a flowchart and develop a C#.Net console application to print array value using foreach statement.
5. Write an algorithm, draw a flowchart and develop a C#.Net console application to illustrate a simple inheritance.
6. Write an algorithm, draw a flowchart and develop a C#.Net console application to show application of constructors.
7. Write an algorithm, draw a flowchart and develop a C#.Net console application to show the implementation of multiple interface.
8. Write an algorithm, draw a flowchart and develop a C#.Net console application to show operator + overloading.
9. Write an algorithm, draw a flowchart and develop a C#.Net console application to use try and catch for exception handling.
10. Write an algorithm, draw a flowchart and develop a C#.Net console application to demonstrate the concepts of Polymorphism
11. Design an ASP.NET Webpage to work with Dropdown list and ListBox controls.
12. Design an ASP.NET Webpage to demonstrate the Label, Button and Textbox controls.
13. Write an algorithm, draw a flowchart and develop a C#.Net console application to convert feet to inches using Delegates
14. Write an algorithm, draw a flowchart and develop a C#.Net console application to combine two delegates.
15. Write an algorithm, draw a flowchart and develop a C#.Net console application to print the Following Pattern:

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

[Handwritten signatures and marks at the bottom of the page]



Nagpur Shikshan Mandal's
SHRI BINZANI CFTY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAMI6A)
Semester VI (Minor –Business Law)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.



Program Code	BCOMCA	
Program Name	B.Com. (Computer Application)	
Course Code	BCOM6CAMI6A	
Course Name	Business Law	
No. of Credits	03	
Teaching Hours	45	
Evaluation Scheme	60 (End Semester Examination – <i>Min passing Marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing Marks - 16</i>) = 100 Marks (Min passing Marks – 24 + 16 = 40)	
Group under NEP scheme	Minor	
Pre-requisites for the course	• Basic understanding of business concepts, commercial transactions, and general legal awareness, • Fundamental knowledge of agreements and financial instruments	
Course Outcomes: <i>The students will be able to:</i>		
CO 1	Understand the legal environment of business and explain the fundamental principles of the Law of Contract.	
CO 2	Analyze the essential elements of a valid contract, including offer, acceptance, consent, consideration, and capacity to contract.	
CO 3	Evaluate the performance, discharge, and remedies for breach of contracts in practical business situations.	
CO 4	Explain the concept, types, and legal provisions of negotiable instruments, including promissory notes, bills of exchange, and cheques	
CO 5	Understand the provisions of the Information Technology Act, 2000, including digital signatures, cyber laws, offences, and regulatory framework.	
Syllabus:	Contents	15 Hours Per Unit
Unit I (12 Hours)	Business and its Environment • Business and its Environment • Legal Environment of Business • Law of Contract • Introduction, • Meaning and Essentials of a Valid Contract • Proposal (or Offer) and Acceptance • Capacity to Contract • Consent and Free Consent • Consideration • Unlawful Consideration and Object	



	• Contingent Contracts • Quasi Contracts • Performance of Contracts • Different Modes of Discharge of Contracts • Remedies for Breach of Contracts • Freedom to Contract
Unit II (11 Hours)	Law of Negotiable Instruments • Introduction • Meaning and Definition of a Negotiable Instrument • Certain Important Concepts and Explanations of Certain Terms • Promissory Notes and Bills of Exchange • Cheques • Holder and Holder in Due Course • Negotiation of a Negotiable Instrument Presentment • Dishonor Crossing of Cheques • The Paying Banker • International Law of concerning Negotiable Instrument
Unit III (11 Hours)	Law of Sale of Goods • Introduction • Definition of Goods & their Classification • Meaning of Price Conditions & Warranties • Passing of Property in Goods • Transfer of Title by Non-Owners • Performance of a Contract of Sale of Goods • Unpaid Seller & his Rights • Sale by Auction
Unit IV (11 Hours)	The Information Technology Act, 200 • Introductory • Scope of the Act • Definitions • Digital Signature • Electronic Governance • Attribution, Acknowledgment and Dispatch of Electronic Records • Secure Electronic Records and Secure Digital Signatures • Regulation of Certifying Authorities • Digital Signature Certificates • Duties of Subscribers Penalties and Adjudication • Cyber Regulations Appellate Tribunal • Offences • Network Service Providers

Handwritten signatures and marks at the bottom of the page.



Textbooks / Reference Books:	1. Maheshwari, S. N., & Maheshwari, S. K. (Latest Edition). A Manual of Business Laws. Mumbai: Himalaya Publishing House.	
	2. Gulshan, S. S. (Latest Edition). Business Law (3rd ed.). New Delhi: Excel Books / S. Chand Publishing._	
Evaluation Pattern:		
Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 Marks OR 4 LAQs of 10 Marks each based on all four Units. (8 × 5 OR 10 × 4 = 40 Marks)	CIE 1(carry 5 Marks) CIE 2 (carry 5 Marks)
2.	12 MCQs based on each unit OR 12 VSAQs based on each unit (3 MCQs OR 3 VSAQs Per Unit, best 10 will be evaluated.)(10 × 2 OR 10 × 2 = 20 Marks)	CIE 3 - Assignment 1(carry 5 Marks) CIE 4 - Assignment 2(carry 5 Marks) CIE 5 - Class Activities / Presentation / VIVA-VOCE (carry 20 Marks)
	Total: 60 Marks	Total: 40 Marks

OR

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAMI6B)
Semester VI (Minor – Retail Management)
(To be implemented from 2026-27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire **strong foundational knowledge in commerce disciplines** such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop **analytical thinking, problem-solving ability, communication skills, and digital competence**, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate **ethical behavior, social responsibility, teamwork, and adaptability**, along with a commitment to **lifelong learning**, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO 2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

Handwritten signatures and initials at the bottom of the page.



Program Code	BCOMCA
Program Name	B. Com. Computer Application)
Course Code	BCOM6CAMI6B
Course Name	Retail Management
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing marks - 16</i>) = 100 marks (<i>Min passing marks - 24 + 16 = 40</i>)
Group under NEP scheme	Minor
Pre-requisites for the course	-
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Explain the fundamental concepts of retailing, retail mix, and the evolution of the retail industry.
CO 2	Classify and compare various retail formats, including store and non-store retailing models.
CO 3	Apply retail planning principles and analyze the impact of consumer behavior on retail decision-making.
CO 4	Evaluate retail strategies such as branding, pricing, CRM, and supply chain management.
CO 5	Demonstrate understanding of store management practices, including store design, customer service, and visual merchandising.
Syllabus: Contents	
Unit I (12 Hours)	Introduction to Retail Management: Meaning, Nature and Scope of Retailing; Evolution of Retail (Global & Indian context); Retail Mix (Product, Price, Place, Promotion, Presentation, Personnel); Growth of Retail Industry in India; Factors influencing retail development (economic, technological, social)
Unit II (11 Hours)	Retail Formats & Emerging Models: Store-based formats: Independent stores, Convenience stores, Supermarkets, Hypermarkets, Department stores, Discount stores, Shopping malls; Non-store formats: E-retailing, Direct selling, Tele-shopping, Catalogue retailing; Franchising and Multi-Level Marketing (MLM); Omni-channel and Multi-channel Retailing; Emerging Trends: Quick commerce, D2C brands



Unit III (11 Hours)	Retail Planning, Consumer Behaviour & Promotion: Retail Planning Process; Location Planning and Site Selection; Understanding Consumer Behaviour in Retail; Cultural, Social and Psychological influences Retail Promotion Strategies; Influencer Marketing in Retail Introduction to AI in Retail (recommendation systems, chatbots, personalization basics); Application of digital marketing tools in retail promotion (conceptual overview); Role of Digital Marketing in Retail – Social media marketing, influencer marketing, email marketing and personalization techniques.
Unit IV (11 Hours)	Retail Strategy & Store Management: Retail Branding and Positioning; Pricing Strategies in Retail; Customer Relationship Management (CRM); Basics of Retail Supply Chain Management; Store Operations Management; Store Design (Interior & Exterior Layout); Visual Merchandising & Retail Display Techniques; Customer Service and Store Profitability
Practical Activity	AI-Assisted Retail Promotion Analysis
Textbooks / Reference Books:	Reference Books: 1. Retail Management – Suja Nair, Himalaya Publishing House. 2. Retail Marketing Management – David Gilbert – Pearson Education. 3. Retailing Management – Levi Weitz- Tata McGraw Hill Publication 4. Retailing Management by Bajaj –Published by Oxford. 5. Retailing Management – Text & Cases – Swapna Pradhan - Tata McGraw Hill Publication

Evaluation Pattern:

Sr. No.	Theory (60 marks)	CIE (40 marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1(carry 5 marks) CIE 2(carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1(carry 5 marks) Assignment 2(carry 5 marks)
3.	NIL	Class Activities / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 marks	Total: 40 marks



AI-Based Practical Activity

Title: AI Suggestions for Better Retail Store

Objective: To help students understand retail concepts by using AI to suggest improvements for a store.

Tool Suggested: ChatGPT

Activity Description (Student Task):

Step 1:

Choose any nearby store (kirana shop / supermarket / mall shop).

Step 2:

Write a short description of the store:

Products sold

Store layout

Customer service

Pricing

Step 3:

Ask AI: "Suggest 5 ways to improve this retail store based on retail mix."

Step 4:

Students identify:

2 useful suggestions

1 suggestion that is not practical

Submission (1 page only):

- Store description
- AI suggestions (short)
- Student opinion (what is useful/not useful)

Evaluation (10 marks):

- Understanding of store – 4
- Use of AI – 3
- Student opinion – 2
- Presentation – 1

OR



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAMI6C)
Semester VI (Minor – NBFC and Micro Finance)
(To be implemented from 2026 – 27)

PROGRAM EDUCATIONAL OUTCOMES (PEOs):

PEO 1: Commerce Knowledge and Professional Competence

Graduates will acquire strong foundational knowledge in commerce disciplines such as accounting, finance, management, economics, and taxation, enabling them to perform effectively in business, trade, and service organizations.

PEO 2: Employability, Analytical, and Entrepreneurial Skills

Graduates will develop analytical thinking, problem-solving ability, communication skills, and digital competence, preparing them for employment, entrepreneurship, professional courses, competitive examinations, and higher education.

PEO 3: Ethical Values and Lifelong Learning

Graduates will demonstrate ethical behavior, social responsibility, teamwork, and adaptability, along with a commitment to lifelong learning, enabling them to respond effectively to dynamic business environments and societal needs.

PROGRAM OUTCOMES (POs)

PO 1: Critical Thinking

PO2: Effective Communication

PO 3: Social Interaction

PO 4: Effective Citizenship

PO 5: Ethics

PO 6: Environment and Sustainability

PO 7: Self-directed and Lifelong Learning

PROGRAM SPECIFIC OUTCOMES (PSOs): *The students will be able to*

PSO 1: Computer Application & Digital Business Skills

Graduates will acquire practical knowledge of computer applications such as office automation, accounting software, databases, and e-commerce tools to support business operations in a digital environment.

PSO 2: Data Management & Analytical Competence

Graduates will develop the ability to manage, analyze, and interpret business data using spreadsheets, database management systems, and basic programming concepts for effective decision-making.

PSO 3: Professional Readiness & IT-Enabled Business Practices

Graduates will demonstrate technical proficiency, problem-solving skills, and ethical practices required for careers in IT-enabled commerce, digital accounting, business analytics, and entrepreneurship, or for pursuing higher education.

[Signature]

Shandale

[Signature]

[Signature]



Program Code	BCOMCA
Program Name	B.Com. (Computer Application)
Course Code	BCOM6CAMI6C
Course Name	NBFC and Micro Finance
No. of Credits	03
Teaching Hours	45
Evaluation Scheme	60 (End Semester Examination – <i>Min passing Marks - 24</i>) + 40 (Continuous Internal Examination – <i>Min passing Marks - 16</i>) = 100 Marks (<i>Min passing Marks – 24 + 16 = 40</i>)
Group under NEP scheme	Minor
Pre-requisites for the course	• Understanding of banks and financial institutions. • Basic knowledge of Indian financial system. • Awareness of government schemes and rural development programs
Course Outcomes: <i>The students will be able to:</i>	
CO 1	Understand the structure, functions, and regulatory framework of NBFCs.
CO 2	Analyze the role of NBFCs and Micro-finance in economic development.
CO 3	Evaluate different types of Micro-finance institutions and their functioning
CO 4	Examine issues, challenges, and sustainability aspects of Micro-finance.
CO 5	Apply knowledge of customer service, KYC norms, and recent financial sector developments.
Syllabus: Contents	
Unit I (12 Hours)	Overview of NBFCs • Introduction • Overview of NBFCs • Regulators of NBFCs • Types of NBFCs • Difference between Banks and NBFCs • Role of NBFC in Economic Development • Corporate Governance Norms in NBFCs

Chandana



	• Customer experience
Unit II (11 Hours)	Micro-Finance –Introduction • Objectives • Introduction • Concept of Micro-finance • Why Micro-finance? • Structure and Characteristics of Micro-finance • Banks as Micro-finance Providers • Types of Micro-finance Institutions • NGOs • SHG's Federations • Mutually Aided Cooperative Societies (MACS) • Non-Banking Financial Companies • NABARD and Micro-finance • SIDBI and Micro-finance • Rashtriya MahilaKosh (RMK)
Unit III (11 Hours)	Micro-Finance: Institutional Functioning • Functioning of Micro-finance • Exclusive Focus on Micro-finance Services • Micro-finance Services as One of their Major Objectives • Intermediary (or) Apex Institutions • Issues related with Micro-finance • Upscaling of the Program • Sustainability of SHGs • Capacity Building • Graduation from Micro-finance to Micro-enterprises • Issues being faced by the Micro-finance • Impact of Government Programs with Subsidy.
Unit IV (11 Hours)	Customer Service and Recent Trends • KYC and Anti-Money Laundering (AML): • PMLA Act regulations.

Handwritten signatures and initials at the bottom of the page.



	- Grievance Redressal: RBI Integrated Ombudsman Scheme for NBFCs. - Recent Initiatives: Small Finance Banks, Payment Banks, MUDRA loan
Textbooks / Reference Books:	1. Indian financial system Covers NBFCs, financial institutions, and regulatory framework in India. 2. Microfinance in India — K. G. Karmakar

Evaluation Pattern:

Sr. No.	Theory (60 Marks)	CIE (40 Marks)
1.	8 SAQs of 5 marks OR 4 LAQ of 10 marks each based on all four Units. (8×5 OR $10 \times 4 = 40$ marks)	CIE 1 (carry 5 marks) CIE 2 (carry 5 marks)
2.	12 MCQs of 2 marks OR 12 VSAQs of 2 marks each based on all four units. (3 MCQs or 3 VSAQs from each unit) (Best 10 will be evaluated) (10×2 OR $10 \times 2 = 20$ marks)	Assignment 1 (carry 5 marks) Assignment 2 (carry 5 marks)
3.	NIL	Class Activity / Presentation / Viva-Voce (carry 20 marks)
	Total: 60 Marks	Total: 40 Marks



Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)

Near Sakardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAFP2)

Semester VI (FP 2 - Field Project)

(To be implemented from 2026 - 27)

(02 Credits for 100 Marks)

**[A-2] EVALUATION REPORT OF FIELD PROJECT/COMMUNITY
ENGAGEMENT PROJECT**

Bachelor of Commerce in Computer Application (BCCA) (Major Subject) Examination,

Name of Student: _____ FP/CEP Title: _____

Roll No. _____ Semester _____ Max. Marks: 100

CRITERION	Parameters	Score
Continuous internal Evaluation (CIE)	Regularity, punctuality, sincerity, and overall feedback from the supervisor and community <i>(To be evaluated by the internal teacher)</i>	out of 50
Description UN SDG Related to FP/CEP*	Detailed description of United Nations Sustainability Development Goals (SDGs) related to FP/CEP undertaken by the student. The degree and extent of such related SDGs should be clearly mentioned	out of 10
Description of Respondent Profile/Community Profile & Listing of goals/objectives/ Outcomes of FP/CEP*	A detailed description (Including Statistical Data) of the respondents / community where the FP/CEP is being undertaken. Clear Mention of issues/problems under study to be included. Comprehensive Listing of goals/objectives/Outcomes of FP/CEP	out of 10
Application of theoretical Knowledge*.	Details of the work done or project implemented during FP/CEP is documented in detail. The theoretical basis is used to identify the various issues related to the problem under consideration	out of 10
Conclusions and Recommendations *	Specific Conclusions based on empirical evidences. Recommendations based on practical feasibility	out of 10



Feedback from concerned organization/Community Head*	An authentic Company Certificate of completion /appreciation clearly classifying the performance of the student as Excellent / Above Average or Good/ Average or Satisfactory /below average.	out of 10
* Based on the Report submitted by the student, evaluated by the external examiner	Total Marks Scored out of 100	
Name and Signature of Internal Examiner	Name and Signature of External Examiner	

As per the guidelines of FP applicable to all UG Program under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Nagpur Shikshan Mandal's
SHRI BINZANI CITY COLLEGE (AUTONOMOUS)
Near Sakkardara Square, Umrer Road, Nagpur- 24

Major in Computer Application (Course Code: BCOM6CAOJT1)
Semester VI (OJT – ON-the-JOB-TRANING)
(To be implemented from 2026 – 27)

(02 Credits for 100 Marks)

As per the guidelines of OJT applicable to all UG Program under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Chandak *JP Singh* *Shri* *Shri*