St. Joseph's College of Commerce

(Autonomous)

163, Brigade Road, Bengaluru - 560 025

Accredited with 'A++' Grade (4th Cycle) by the National Assessment and Accreditation Council (NAAC)

Recognized by the UGC as "COLLEGE WITH POTENTIAL FOR EXCELLENCE"



Bachelor of Commerce (Analytics) Semester I & II

Syllabus as per Karnataka State Education Policy2024

Curriculum Framework w.e.f., 2024-2025

Academic Year 2024 - 2025

Batch 2024 - 2027

St. Joseph's College of Commerce (Autonomous) Affiliated to Bengaluru City University

St. Joseph's College of Commerce (SJCC) was formerly a part of St. Joseph's College, established in the year 1882. The Commerce Department was established in the year 1949 and it became an independent college with its own building in Brigade Road in the year 1972.

The college has in its Vision a model for higher education which encourages individuals to dreamof a socially just world and in its Mission a strategy to empower individuals in realizing that dream.

With an objective of imparting quality education in the field of Commerce and Management, the college has been innovating in all aspects of higher education over a long period of time. These innovations were further bolstered with the granting of autonomous status to the college by UGC in September 2005. From then on, the college has taken a lead in reforming curriculum and syllabus, examination and evaluation pattern and teaching and learning methods through the Board of Studies, the Academic Council and the Governing Council comprising of eminent academicians, industry representatives and notable alumni.

The college has undergone four cycles of NAAC accreditation starting from the year 2000 in which it secured 'five stars', next in the year 2007 an 'A' grade, in the year 2012 again an 'A' gradeand recently in February 2021 an 'A++'. It is one of the very few institutions in the country to have secured A++ grade in the fourth cycle under the Revised Accreditation Framework (RAF) and the first college in Karnataka to do so. The college was declared as a 'College with Potential for Excellence' in the year 2010. In 2011, SJCC was recognized as a Research Centre by Bangalore University. The college has been ranked 55th in the National Institutional Ranking Framework (NIRF) ratings of Ministry of Education, Government of India, in 2024 and it has been the only institution from Karnataka to make it consistently to the top 100 in the country.

The college offers diverse programmes in Commerce , Business Administration Arts and Science. Under Commerce Studies it offers B.Com, B.Com (Professional-International Accounting and Finance), B.Com (BPM- Industry Integrated), B.Com (Travel and Tourism), B.Com (Analytics), B.Com (Professional - Strategic Finance), M.Com (Finance & Taxation/ Marketing & Analytics), M.Com (International Business) & M.Com (Financial Analysis). Under Business Administration it offers BBA, BBA (Entrepreneurship) and BBA (Professional- Finance and Accountancy). Under Arts it offers BA (English, Communicative English and Psychology) and Under Science it offers B.Sc (Economics, Mathematics and Data Analytics). The college also offers five one-year Post Graduate Diploma programmes.

ABOUT THE DEPARTMENT

The B. Com Department of St. Joseph's College of Commerce has efficiently streamlined all its courses to reflect an interdisciplinary approach to understanding the contemporary business environment. Its aim is to construct a strong foundation in core subjects such as Accounting, Taxation, Economics, Statistics and Auditing along with a choice of Cost Accounting, Finance, Business Analytics, Marketing and Human Resources, studied in the fifth and sixth semester. The courses are challenging, yet, rewarding for students with high aspirations. Our students have been sought after by employers for their excellent knowledge, skills and attitude, giving them an edge over their peers from other institutions. The B.Com Programme of the college is rated amongst the top 10 in the country (India Today, AC Nielson Survey 2016).

OBJECTIVES OF THE B.COM PROGRAMME

- a. To provide conceptual knowledge and application skills in the domain of Commerce studies.
- b. To provide knowledge in all the areas of business to be able to meet expectations of Commerce, Trade and Industry.
- c. To sharpen the students' analytical and decision-making skills.
- d. To provide a good foundation to students who plan to pursue professional programmes like CA, ICWAI, ACS, CFA and MBA.
- e. To facilitate students to acquire skills and abilities to become competent and competitive in order to be assured of good careers and job placements.
- f. To develop entrepreneurship abilities and managerial skills in students so as to enable them to establish and manage their own business establishments effectively.
- g. To develop ethical business professionals with a broad understanding of business from an interdisciplinary perspective.

I. ELIGIBILITY FOR ADMISSION

Candidates who have completed the two-year Pre-University course of Karnataka State or its equivalent are eligible for admission into this Programme.

II. DURATION OF THE PROGRAMME

The duration of the programme is three (03) years of Six Semesters. A candidate shall complete his/her degree within five (5) academic years from the date of his/her admission to the first semester. Students successfully completing three (03) years of the course will be awarded Bachelor's Degree in Commerce.

III. MEDIUM OF INSTRUCTION

The medium of instruction shall be in English.

IV. ATTENDANCE

- **a.** A student shall be considered to have satisfied the requirement of attendance for the semester, if he/she has attended not less than 75% in aggregate of the number of working periods in each of the courses, compulsorily.
- **b.** A student who fails to complete the course in the manner stated above shall not be permitted to take the End Semester Examination.

V. TEACHING AND EVALUATION

M.Com/MBA/MFA/MBS/MTA/MA/M.Sc graduates with B.Com, B.B.A, B.B.S,BA and B.Sc as basic degree from a recognized university are only eligible to teach and to evaluate the courses including part – B courses of I and II semesters except languages, compulsory additional courses and core Information Technology related courses, Skill based, Value Based and Foundation courses, mentioned in this regulation. These courses shall be taught by the Post graduates as recognized by the respective Board of Studies.

VI. SCHEME OF EXAMINATION

ACADEMIC EVALUATION UNDER STATE EDUCATION POLICY (SEP) (EFFECTIVE FROM ACADEMIC YEAR 2024-2025)

The academic evaluation of both undergraduate (UG) and postgraduate (PG) programmes consists of two components: Continuous Internal Assessment (Formative Assessment) and End-Semester Examination (Summative Assessment).

Assessment for UG Students under SEP will be as follows:

Type of Assessment	Assessment Component	Allotted Marks			
	CIA I (Test)	10 Marks			
Continuous Internal Assessment / Formative Assessment	CIA II (Skill-basedAssessment)	10 Marks			
	Mid-Term Exam	20 Marks			
Total	40 marks (scaled down to 20 marks)				
End-Semester Examination / Summative Assessment	End-Semester Examination (For three hours duration)	80 Marks			
TOTAL		100 Marks			

A. Additional Details

- **Mid-Term Exam**: The mid-term exam covers at least 40-50% of the syllabus and has duration of one hour.
- Continuous Internal Assessment (CIA) Activities: CIA activities are designed with clear objectives, modalities, assessment rubrics, and outcomes.

B. CIA improvement

There is **no provision for enhancing CIA marks** for UG students once the semester ends.

Attendance requirement for taking ESE

- The University Grants Commission (UGC) mandates a minimum of 75% attendance in each course to be eligible to write the End Semester Examinations (ESE).
- There is no provision for condonation of attendance under the UGC Act.

VII. MINIMUM FOR A PASS

- **Minimum Pass Marks in Final Examination**: A minimum of 40 percent is required in each course in the End Semester Exams. The student must score at least 32 marks out of 80 in the End Semester Examination (ESE).
- Overall Pass Requirement: The aggregate of Continuous Internal Assessment (CIA) and End Semester Examination (ESE) should also be a minimum of 40 percent. Out of 100 marks, a student must secure at least 40 marks in each course to qualify as passed inclusive of minimum 32 marks out of 80 in End Semester Exam.

VIII. GRADING SYSTEM FOR CHOICE BASED CREDIT SYSTEM (CBCS)

The modalities and operational details are given below:

• **Grade Points**: The College adopts a ten-point grading system. The papers are marked in a conventional way for 100 marks. The marksobtained are converted to grade point according to the following table. If a student is absent for the paper the grade point assigned is 0.

%	95 -	90 -	85 -	80 -	75 -	70 -	65 -	60 -	55 -	50 -	45 -	40 -	Below
Marks	100	94	89	84	79	74	69	64	59	54	49	44	40
Grade	10	9.5	9	8.5	8	7.5	7	6.5	6	5.5	5	4.5	0
Point													

Credits: Credits are assigned to courses based on the following broad classification:

Courses Category	Instruction Hours/week	Credits
Languages	3 Hours	3
Major Core	4 Hours	4
Skill Enhancement Courses	1-4 Hours	1-4
Compulsory Courses	1-2 Hours	1-2

Grade point calculation

 Semester Grade Point Average (SGPA): The SGPA is calculated as the sum of the product of the credits and the grade pointsscored in all courses, divided by the total credits.

SGPA = Total of (Credits Earned X Grade Points) ÷ Total of Corresponding Credits

- Minimum SGPA required for a pass is 4.5.
- If a student has not passed in all courses or is absent, the SGPA is not assigned.
- Cumulative Grade Point Average (CGPA): The CGPA is the weighted average of all the courses taken by a student across all semesters of a programme.

CGPA = \sum Total Credits in the Semester × SGPA ÷ Total Credits of the Courses

Note: SGPA and CGPA will be rounded off to two decimal places.

Interpretation of SGPA/CGPA and Classification of Final Result

Grade Points	% of Marks	Grade	Result/Class Description
9.00-10.00	85 - 100	0	Outstanding
8.00-8.99	75 - 85	A+	First Class Exemplary
7.00-7.99	65 - 75	A	First Class Distinction
6.00-6.99	55 – 65	B+	First Class
5.50-5.99	50 -55	В	High Second Class
5.00-5.49	45 - 50	С	Second Class
4.50 -4.99	40 - 45	Р	Pass Class
Below 4.5	Below 40	RA	To Re-Appear

IX. PATTERN OF ESE QUESTION PAPER UNDER SEP

The End Semester Examination (ESE) question paper under SEP will include questions that assess both Lower Order Thinking Skills (LOTS) and Higher Order Thinking Skills (HOTS). The difficulty level of the question paper will be distributed as follows: 40% easy, 30% difficult, and 30% very challenging.

Duration: 3 Hours Maximum Marks: 80

The question paper pattern will be as follows:

Sections	Marks perQuestion	Number of Questions	Total Marks
SectionA	2 marks	5 questions (out of 7)	10 Marks
SectionB	5 marks	4 questions (out of 6)	20 Marks
SectionC	12 marks	3 questions (outof 5)	36 Marks
SectionD	14 marks	1 question (Case Study)	14 Marks
Total			80 Marks

X. REVALUATION AND RETOTALING

Requests for **revaluation**, **retotaling**, and **photocopies of the answer book** for the End-Semester Examination (ESE) must be submitted to the Controller of Examination along with the prescribed fee within two weeks from the declaration of results.

XI. ABSENCE DURING END SEMESTER EXAMINATION

If a student misses the End Semester Examination, they will be marked as "Absent" and will be required to take the supplementary examination for that course during the next available opportunity only.

XII. MALPRACTICE

Students will be dealt severally in case if they are found guilty of any malpractices during examination. The college has zero tolerance towards any kind of foul-means adopted to secure marks in the exams.

Outcome Based Education (OBE)

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Our B. Com (Analytics) program willproduce graduates who will:

PE 01	Be competent, creative and highly valued professionals in industry,
	academia, or government.
PE 02	Adapt to a rapidly changing environment with newly learnt and applied
	skills and competencies, become socially responsible and value driven
	citizens, committed to sustainabledevelopment
PE 03	Act with conscience of global, ethical, societal, ecological and commercial awareness with sustainable values as is expected of professionals contributing to the country.
PE 04	Able to continue their professional development by obtaining advanced degrees in accounting and other professional fields.

PROGRAMME OUTCOMES (POS)

After the completion of the **B. Com** (Analytics) Programme, the student will be able to:

PO 1	Disciplinary and Inter-disciplinary Knowledge: Demonstrate the understanding
	of relevant business, management and organization knowledge, both academic and
	professional, in line with industry standards
PO 2	Decision Making Skill: Apply underlying concepts, principles, and techniques of analysis, both within and outside the discipline to generate all the possible solutions
	and pick one that shows their understanding of the problem and the outcomes.
PO 3	Integrated Problem-Solving and Research: Analyze how parts of a whole interact
	with each other to produce overall outcomes in complex systems by analyzing key
	managerial issues in a particular industry or company and propose appropriate
	managerial solutions to the situation
PO 4	Critical Thinking Skill: Evaluate evidence, arguments, claims and beliefs by using
	right type of reasoning as appropriate to the situation and Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems.
PO 5	Creative Thinking Skill: Develop, implement and communicate new and
	worthwhile ideas using both incremental and radical concepts to make a real and
	useful contribution to their work
PO 6	Usage of Modern Technology and Tools: Use tools and technologies of digital
	nature, communication/networking tools and social networks appropriately to
	access, manage, integrate, evaluate and create information to successfully function
	in a knowledge economy.

PO 7	Leadership and Team Work: Develop a vision, translate that vision into shared
	goals, and effectively work with others to achieve these goals
PO 8	Ethical Conduct: Act responsibly and sustainably at local, national, and global
	levels.
PO 9	Collaboration: Work collaboratively and respectfully as members and leaders of
	diverse teams.
PO 10	Self-Directed and Life-Long Learning: Create goals and monitor progress toward
	them by developing an awareness of the personal, environmental and task-specific
	factors that affect the attainment of the goals.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

PO 11	Developing analytical model
	Develop models to identify and evaluate complex business challenges by analysing data using analytical techniques and visualising tools.
PO 12	Application of analytical model
	Apply appropriate analytical methods into the core business operations and to leverage data to cultivate and nourish informed decision-making.

	2	PROGRAMM	B.COM (Analytics) - E MATRIX AS PER		N POLICY		
Course Category	I	п	ш	IV	v	VI	TOTAL
			Part A : Lar	nguages			
Language	Lan 1	Lan 1	Lan 1	Lan 1	*		
3 Hrs/3 Crs	Lan 2	Lan 2	Lan 2	Lan 2		(2)	1
I	6 Crs	6 Crs	6 Crs	6 Crs	3	1.0	24
	9	P	art B: Discipline Spe	ecific Core Courses	3	(i)	72
	Financial Accounting	Corporate Accounting	Financial Management	Cost Accounting	Management Accounting	Operations Research	
Major Core Courses 4 Hrs/4 Crs	Business Statistics I	Business Statistics II	Programming for Analytics	Business Statistics with R Programming	Income Tax I	Income Tax II	
	Mathematics	Business Economics	Human Resource Management	Principles & Practices of Auditing	Data Visualisation	Text Mining	
	Principles of Management	Business Law	Marketing Management	Theory & Practice of Banking	NIL	Goods and Service Tax	
Major Elective Courses 4 Hrs/4 Crs					Multivariate Data Analysis	Data Mining with R	
	16	16	16	16	16	20	100
		Part C : Sl	cill Enhancement Co	urses/Activities			
Skill Based Courses			Decision making using Spreadsheets 2Crs	Data Visualisation through Power BI 2Crs	Research Methodology (4 Crs)	Internship 4Crs	
/activities	1	MOOCs / Certificate Course 1 Cr	20	MOOCs / Certificate Course 1 Cr	Project (4Crs)		
Value Based Activities	·	Extracurricular Activities 1 Cr		Extracurricular Activities 1 Cr		Extension Activities 1 Cr	
П		2 Crs	2 Crs	4 Crs	8 Crs	5 Crs	21
		Pa	t D: Foundation C	ourse - Value Based		(a)),	10.
Foundation Courses	Psychological Well being 1 Cr		2	821	1 <u>2</u> 0		
2 Hrs/2 Crs	Constitutional Value I 2 Crs	Constitutional Value II 2 Crs					
Ш	3 Crs	2 Crs					5
	W WILLIAM	- 910	1	1	1	1	10.50

B. Com (Analytics)

Course Structure

Semester I

Course Code	Title of the Course	Category	Lecture Hours per week	CIA	ESE	Credit s
C5 24 GE 101	General English	Language 1	3	20	80	3
C5 24 KN 101	Kannada	Language 2	3	20	80	3
C5 24 HN 101	Hindi					
C5 24 AE 101	Additional English					
C5 24 MC 101	Financial Accounting	Major Core	4	20	80	4
C5 24 MC 102	Business Statistics I	Major Core	4	20	80	4
C5 24 MC 103	Mathematics	Major Core	4	20	80	4
C5 24 MC 104	Principles of Management	Major Core	4	20	80	4
UG 24 FC 101	Psychological wellbeing	Compulsory course	1	25	-	1
UG 24CC 101	Constitutional Values I	Compulsory Course	2	10	40	2
	Total cre	155	520	25		

Department of Commerce										
		Programme: I	3. Com (Anal	ytics)						
Semester	Course	Course Title	Course	Course	Teaching	Credits				
	Code		Duration	Type	Hours Per					
					week					
I	C5 24	Financial	60 House	Maior	4 II 04440	4				
1			60 Hours	Major	4 Hours	4				
	MC 101									
Course	The course aims to equip the students with the conceptual knowledge									
Objectives:	and skills required to prepare and evaluate financial statements of									
	different business organizations.									
Course	CO1	Describe the co	oncepts, con	ventions, a	and Terms o	f Financial				
Outcomes		Accounting as	per the fram	ework of l	nd AS and II	FRS.				
	CO2	Prepare Journa	al, Ledger a	nd trial ba	lance and re	ectification				
		of errors as per	Ind AS8 an	d 10.						
	CO3	Construct final	ncial Staten	nents of S	ole Propri	etorship				
		and Partnershi	ip incorporat	ing all the	necessary ad	justments.				
	CO4	Apply the form	nat of the p	resentation	of Financial	Statement				
		as per Ind AS to	o the Compa	nies Act, 20	013 (Amende	d till date).				
	CO5	Prepare Cash flow statements as per old and new methods.								
	CO6	Evaluate firm	n's Profita	bility a	nd Liqui	dity by				
		using Ratio	analysis and	Trend An	alysis.	, , , , , , , , , , , , , , , , , , ,				
Module 1	Conceptu	ıal Framework	<u>-</u>		-	10 Hours				

Introduction to Ind AS, IFRS, Challenges in implementation, Accounting Concepts - Accrual concept, Going Concern Concept, Business Entity Concept, Consistency Concept, Elements – Assets, Liabilities, Incomes, Expenditure and Equity for Sole proprietor, Partnership firm and Company. Four Pillars of accounting and Accounting Equation. Applicability of Ind AS – Voluntary Adoption and Mandatory Applicability – Phase I, II, III and IV. Role of accountant – Ethical values – Integrity, Objectivity, Professional competence and care, confidentiality, Professional behaviour.

Module 2	Accounting Process						
Accounting Pr	ocess - Journal (including transactions covering GST on n	urchases					

Accounting Process – Journal (including transactions covering GST on purchases and sales), Ledger, and Trial Balance, Rectification of Errors (Journal entry problems

Module 3 Financial Statements 15 Hours

Preparation of Financial statements- Profit & Loss statement and Balance Sheet. Adjustments for Ongoing transactions- Goods & cash withdrawn by proprietor, goods lost by fire, goods issued as free sample, Prepaid expenses, Outstanding expenses, Interest oncapital, Interest on drawings, Interest on loan, Provision for Bad debts and Doubtful debts, Depreciation, Commission payable before and after charging such commission. (Sole proprietor and Partnership Firm)

Company Financial Statements – Objectives, Format of the presentation of Financial Statement as per Ind AS to the Companies Act, 2013 (Amended till date).												
Module 5 Preparation and Presentation of Cash flow Statement 10 Hours												
Meaning of Cash flow, Classification of Activities - Operating, Investing and												
Financing (Simple problems on identification of activities).												
Module 6 Basic Financial Statement Analysis 10 Hours												
Introduction to Ratios - Computation of ratios based on liquidity, Solvency, Activity & Profitability [problems based on calculation of ratios] - Trend Analysis												
Skill Development:												
1 Generate financial statements using Tally												
2 Prepare and present a summary on a company's published annual report												
which includes profitability analysis, financial position, cash												
position and accounting policies. Compute the profitability ratios, turnover ratios and solvency ratios on												
the published financial statement of a company of your choice.												
4 Compare and analyse the profitability ratios, solvency ratios between												
two companies using published financial statements.												
5 Analyse a cash flow statement with from published annual report.												
Book for Reference:												
Jain, S. P., & Narang, K. L. (2022). Advanced Accounts (12th ed.).												
Kalyani Publishers.												
2 Maheshwari, S. N. (2022). Advanced Accountancy (5th ed.). Vikas												
Publishing House.												
Sehgal, A., & Sehgal, D. (2022). <i>Advanced Accounting</i> (2nd ed.). Taxmann.												
4 Shukla, M., & Grewal, T. (2022). Advanced Accountancy (11th ed.).												
Sultan Chand & Sons.												
5 Banka, A. (2022). <i>Comprehensive guide to IND AS Implementation</i> (2nd ed.).												
Taxmann.												
International Accounting Standards Board (IASB). (2023). IFRS												
publications. IASB. Mapping of CO and PO												
CO/PO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12												
CO1 H H M M L L L												
CO2 L M L H H M L												
CO3 L M L H H M L												
CO4 M H H M L L L												
CO5 L M L H H M L												
CO6 L H H M L M L												

Department of Commerce											
	T	Programme:	B. Com (Ana								
Semester	Course Code			Teaching Hours Per week	Credits						
I	C5 24 MC 102	BUSINESS 60 Hours Major Core S -I			4						
Course Objectives:	The course aims to create the awareness of the basic concept of Statistics and scope of its application in business decision making using various tools.										
Course Outcomes		Explain the bas application in b	ousiness dec	cision mak	ing.						
		Choose an appanalyze the give	_			-					
		Justify the apparailyze the good phenomenon.	-		_						
		Show the statis Diagrammatic a			_	ehend in					
	CO5	Use the concept the type of dist	of Skewne	ess and K	urtosis to						
Module 1	Introduct	ion				10 Hours					
Definition - Need for Statistics - Scope - Limitations - Definition of Research - Scope - Types - Objectives - Steps in Research. Ethics to be followed by a statistician and role of statistics in sustainable development. Classification of data - Formation of Statistical Series - Frequency Distribution (univariate and bivariate) and Tabulation. Population - Sample - Types of Data - Primary and Secondary Data: Qualitative - Quantitative - Cross Sectional - Time Series - Variables and Attributes - Discrete and Continuous Variables - Types of Scales- nominal, ordinal, ratio and interval. Module 2 Measures of Central Tendency 15 Hours											
_	Meaning of Central Tendency – Definition – Types of Averages – Arithmetic Mean(Simple, Weighted and Combined). Median – Mode (excluding missing										
	roblems) -	- Quartiles - De	•		•						
Module 3		of Dispersion				12 Hours					

Meaning - Definition - Importance of Dispersion - Range - Quartile Deviation Mean Deviation - Standard Deviation - Variance - Coefficient of Variation (applications, importance, merits and demerits). Module 4 Diagrammatic and Graphical Representation of Data 10 Hours Need for representation of Data in Diagrams and Graphs -One Dimensional - Line, Bar, Simple, Sub-Divided, Percentage Bar, Multiple Bar Diagram, Deviation Bar Diagram, Two Dimensional Bar Diagrams (by using rectangles) - Pie Diagram. Ogives (less than and more than) -Histogram -Smoothed Frequency Curve - Frequency Polygon. Skewness and Kurtosis Module 5 13 Hours Skewness - Meaning - Definition - Difference between Dispersion and Skewness - Measures of Skewness: Karl Pearson's and Bowley's Coefficient of Skewness - Moments (about mean and arbitrary point)- Coefficient of Skewness based on Moments. Kurtosis - Meaning - Need - Measure of Kurtosis Coefficient of Skewness based on Moments **Skill Development:** 1 Analyse and compute the different measures of central tendencies for business variables and to identify that which measure of central tendency suits the data. 2 Analysis of data by applying descriptive statistics for the purpose of finding actionable insights pertaining to a given data set. 3 Prepare a Visual presentation of a company's financial statements using diagrams and graphs for finding year to year changes. 4 Compute skewness and kurtosis of a data and identify potential challenges for further analysis. **Book** for Reference: 1 Croxton, F. E., Cowden, D. J., & Kelin, S. (1973). Applied General Statistics. Prentice-Hall of India. 2 Black, K. (2019). Business Statistics (3rd ed.). Wiley. Gupta, S. C., & Kapoor, V. K. (2020). Fundamentals of Mathematical Statistics 3 (12th ed.). Sultan Chand & Sons. 4 Sarma, K. V. S. (2020). Statistics Made Simple: Do it yourself on PC (2nd ed.).Prentice-Hall of India. 5 Bhat, B. R., Srivenkatramana, T., & Rao, M. K. S. (2020). Statistics: A Beginner's Text (Vol. II). New Age International. 6 Veerarajan, T. (2019). Probability, Statistics, and Random Processes (4th ed.). Tata McGraw-Hill Mapping of CO and PO CO/PO PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | **PO12**

CO1	Н	Н	M	L	L			L	M	
CO2	Н	M	M	L	L		L		Н	
CO3	L	Н	M	L	Н		L			M
CO4	M	L	Н	L	Н			L		M
CO5	M	M	Н	L	L		L			Н

			nt of Comme B. Com (Ana							
Semester	Course Code	ourse Course Title Cou		Course Type	Teaching Hours Per week	Credits				
I	C5 24 MC 103	Mathematics	60 Hours	Major Core	4	4				
Course Objectives:	This course aims to provide students with a firm grasp of key matrix algebra, differential and integral calculus, and mathematical modelling. Through theoretical learning and practical applications, students will develop essential problem-solving skills relevant to mathematical analysis in addressing real-world problems in Commerce and Economics.									
Course Outcomes		Explain and app Algebra, integ differential equa making.	gral calculu	ıs, Differ	ential calc	ulus and				
		Formulate cost, same using max			ons and op	otimize the				
		Model and ad Business and Eco								
	CO4 Dit	Develop a compre es practical appl roblems in vari cience.	hensive unde lications, ena	rstanding of bling them	differential o	alculus and ptimization				
	e b	olve both theoret quipping them w usiness-related p nd finance	vith the tools	necessary fo	or analyzing	and solving				
		apply the theory and solve practica				s to model				
Module 1		Determinants an				15 Hours				

Matrices: Review of fundamentals: Definition of matrix, order, Types of matrices, Determinant: Value of determinant of order 2x2 and 3x3, minors, cofactors, adjoint, row operations, inverse using formula method and row operations (2x2 and 3x3 matrices only). System of linear equations, augmented matrix, row operations, row echelon form, reduced row echelon form, existence and uniqueness of the solution, Gauss - Elimination method, Cramer's and matrix methods (2x2 and 3x3 matrices only).

Applications – Linear systems: Investment Problems, Traffic Flow, and Balancing the Chemical equations, and data encryption and decryption using a matrix and its inverse.

Module 2 | Algebra

10 Hours

Equations, Degree, Roots of an equation (Including complex roots), Solving Linear and Quadratic equations, Cubic Equations, Synthetic Division Method, Bi-quadratic equations, Nature of the roots, Binomial Theorem (statement and expression only), and Partial Fractions.

Module 3 Eigen values and Eigenvectors

10 Hours

Definition, Characteristic equation, Eigen values, Eigen vectors (2x2 and 3x3 matrices only). Cayley Hamilton theorem (Only statement), verification of Cayley Hamilton theorem (only 2x2 and 3x3 matrices), using the same finding the powers of A and Inverse of a Matrix using Cayley Hamilton theorem.

Module 4 Differential Calculus

15 Hours

Functions, Limits and Continuity, Differentiability (concepts only), Derivative of a function, derivatives of the standard functions (excluding trigonometric functions), Rules of Differentiation: addition/subtraction, scalar multiplication, product, quotient, chain, Differentiation of Parametric functions, Partial Derivatives, Maxima and Minima, Applications: Cost minimization and Revenue and Profit maximization, Break Even Point, Marginal Cost, Marginal Revenue, and price elasticity of demand.

Module 5 Integral Calculus

15 Hours

10 Hours

Introduction, Indefinite Integration, Standard Integrals (excluding trigonometric functions), Rules of Integration: addition/subtraction and scalar multiplication, Integration by Substitution, Integration by Parts, Integration by resolving into Partial Fractions, Applications of Integration in business (finding cost, revenue functions from marginal cost and marginal revenue functions)

Module 6 Mathematical modelling through Differential Equations

First order Linear Ordinary Differential Equations, Homogeneous and Non-Homogeneous Differential Equations. Applications- Exponential Growth model (Continuous compounding of an invested money) and Logistic Growth model (Business applications: fishery, rabbits, piggery etc.)

Skill Development:

Solve and visual system of linear equations with 3 variables on GeoGebra website (Math visualizer platform)

2	Represent the functions graphically and identify the roots on a math visualizer software.
3	Understand maxima – minima procedure graphically through a math visualizer software.
Book for Ref	erence:
1	Arora, P. N., & Arora, S. (2021). <i>Mathematics</i> (2nd ed.). S. Chand Publishing.
2	Agarwal, D. R. (2022). <i>Comprehensive Mathematics</i> (6th ed.). Tata McGraw-Hill Education.
3	Sharma, A. (2021). Business Mathematics and Analytics. Wiley.
4.	Goel, A., & Goel, A. (2021). <i>Mathematics and Statistics</i> . Laxmi Publications.
5	Singh, J. K. (2021). <i>Business Mathematics</i> (3rd ed.). Tata McGraw-Hill Education.
6	Stall, R. R. (2015). <i>Linear Algebra and Matrix Theory</i> (2nd ed.). Jones & Bartlett Learning.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1				L	L	Н	M				M	Н
CO2	L			L			M		Н		Н	M
CO3	L			L		M	Н				Н	M
CO4	L				M	M					Н	Н
CO5	L		L			M	Н				Н	М
CO6	L		L	L				Н		M	M	Н

	Department of Commerce Programme: B. Com (Analytics)											
Semester	Course Code	Course Title	Course Duration	Course Type	Teaching Hours Per week	Credits						
I	C5 24 MC 104	Principles of Management	60 hours	Major Core	4	4						
Course Objectives:	The course content is designed with a view to acquaint students with the concepts and principles of management required for a successful business entity.											
Course Outcomes	CO1	Explain the prir a Manager.	nciples of Ma	anagement	and role ar	nd skills of						
	CO2	Integrate the process of a give			with decision	on making						
	CO3	Relate the functi of their effort on	on of organi	zing with s	taffing in co	nsideration						
	CO4	Identify the ra controlling tools				ecting and						
	CO5	Illustrate the raccoordination available				nethods of						
	CO6	Describe the factors affecting ethical practices in Business and social responsibilities of management towards all the stakeholders and identify the recent trends in the application of technology in Management.										
Module 1	Introducti Thought	on to Manageme	nt and Histor	y of Manag	gement	12 Hours						

Introduction: Meaning – Nature and Characteristics of Management – Scope and Functional Areas of Management – Management as an Art, Science or Profession – Management and Administration – Principles of Management (scientific principles, Fayol's 14 principles)- Roles and skills of managers.

Evolution of Management Thought: Pre-scientific Management (introduction to classicalthoeries) – Taylor's Scientific Management

Module 2 Planning Forecasting and Decision Making 10 Hours

Planning: Nature - Planning Process - Objectives - Types of plans - MBO (Peter Drucker)& MBE

Forecasting: Meaning and purpose of forecasting - Techniques of forecasting - Qualitative and quantitative.

Decision Making - Types of decisions -phases of Decision Making - Steps indecision making - Delegation and Principles of delegation.

Module 3 Organizing and Staffing

10 Hours

Organizing: Nature and Purpose of Organization – Principles of Organization–Organization structure and types – Departmentation – Committees – Centralization vs. Decentralization of Authority – Span of Control – Meaning - Factors affecting span. Staffing: Importance and Process of Staffing.

Module 4 Leadership, Directing and Controlling

10 Hours

Leadership: Meaning – Leadership styles – Theories of leadership. Directing: Meaning –Principles and techniques of directing.

Controlling: Meaning and definition – Features – Steps in controlling and methods of establishing control. Techniques of controlling – Budgetary and non-budgetary.

Module 5 Co-ordination and Motivation

12 Hours

Co-ordination: Meaning – steps and methods of co-ordination.

Motivation: Meaning - Theories of motivation - Carrot & Stick approach - Maslow's - Mc Gregor's - Herzberg's - ERG - Mc Clelland's - Vroom's Expectancy - William Ouchi's theory Z.

Module 6 Business Ethics and Recent trends in Management

6 Hours

Meaning – Need and importance - Principles of ethics - profits and ethics – Factors affecting ethical practices in Business Social Responsibilities of Management – Meaning, Social responsibilities of business towards various groups.

Recent Trends in Management - Continuing digitization in the business world, ArtificialIntelligence in various functions of management, importance of data and analytics in management

Self-Learning Topics: (If Applicable)

1	Module 1: Scientific principles, Fayol's 14 principles, Classical Theories
2	Module 3: Importance and Process of Staffing.

Skill Development:

	-
1	Evaluate the innovate concepts of Principles of Management laid on HenryFayol in different industries.
2	Examine the impact of strategic partnerships with market research firms
3	Analyze the impact of expansion from product to channel & customer profitability analysis.
4	Application of Predictive accounting & business intelligence on EnterprisePerformance Management.

5	Pr	esent	the Se	ven C	attribu	ıtes sh	ared b	y expe	erts of	Covid 1	9 pand	emic in
	H	Harvard School Business Working Knowledge. Analyse these attributes										
	an	and their applicability in the Indian Corporate Scenario.										
Book for Reference:												
1	Va	asishth	, N., &	v Vasis	hth, V	. (2019)). Princ	iples of	Manag	gement:	Text & 0	Cases
	(51	thed.).	Taxm	nann P	ublica	tions.						
2	Ro	Robbins, S. P., Coulter, M., & Fernandez, A. (2019). Management (14th									14th	
	ed	l.).Pea	rson E	Educat	ion.							
3	Dı	urai, P	. (2018). Prin	ciples o	f Mana	gement	(2nd	ed.). Pe	earson I	ndia.	
4	M	cShane	e, S. L.	, & Vo	n Glin	ow, M	. A. (20	007). Pi	rinciple	s of Mar	nagemen	t (1st
	ed	McShane, S. L., & Von Glinow, M. A. (2007). <i>Principles of Management</i> (1st ed.). McGraw-Hill Education.										
Mapping	Mapping of CO and PO											
CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

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CO1

Н

M

CO2	Н	Н	M	M	L		L			L
CO3	Н	M	Н	M	L		L		L	
CO4	Н	M	M	L	Н				L	L
CO5	M	Н	M	L	Н		L		L	
CO6	M	M	Н	M	Н	L	L		L	

	Department of Commerce Programme: B. Com Analytics							
Semester	Course Code	Course Title	Course Duration	Course Type	Teaching Hours Per week	Credits		
I	UG 24 FC 101	Psychological Well-being	30	Compulsory Course	2	2		
Course Objectives:	skills an	his course aims to nurture self-awareness and meaningful relationship kills and to help in the development of emotional quotient and interersonal skills.						
Course	CO1	Develop a better emotional quotient.						
Outcomes	CO2	Formulate a hea	althier sense	of self throug	h self-aware	eness.		
	CO3	Build more mea	aningful rel	ationships.				
	CO4	Display an imp	rovement i	n inter-person	al skills.			
	CO5	Modify though	t and belief	f patterns.				
	CO6	Understand and o	deal the grie	f in various situ	ations.			
Module 1	Introduc	tion				3 Hours		
		ing – Myths and Iselling – Normal						
Module 2	Intra-per	sonal and Inter-p	ersonal Awa	reness		10 Hours		

Meaning of self-esteem - Factors that influence self-esteem - Importance of self- esteem -Effects of low self-esteem - Qualities seen in people with high vs. low self- esteem - How to improve self-esteem - Self-awareness activity Meaning of peer pressure - Different kinds of peer pressure - Resisting peer pressure -Confronting peer pressure - Group sharing activity Meaning of relationships - Types of relationships - Healthy relationship dynamics -Personal Rights in a relationship - Components of a healthy relationship - Types of abuse in a relationship - Intimacy and understanding our needs - Boundaries Module 3 **Understanding Emotions** 4 Hours Meaning of emotions - Role of emotions in our lives - Beliefs regarding emotions Harmful effects of suppressing emotions - Signs of emotional suppression - Handling emotions in ahealthy manner - Self-assessment activity 5 Hours Module 4 Anger management Meaning of anger - Physical and Emotional symptoms of anger - Different ways that people express anger - Expression and experience of anger - What makes us angry and what it means when we're angry - Dealing with anger - Guided visualization and art activity Module 5 Managing Anxiety/Fear 4 Hours Meaning of fear - Types of fear - Physical and Emotional symptoms of fear - Different reactions to fear - Overcoming fear - Art work followed by group sharing activity Module 6 Dealing with Loss and Grief **Hours** Understanding loss and grief - Form of loss - Stages of grief - Dangers of not grieving-Dealing with grief - Ways to help others in grief Skill Development: 2 3 4 5 6 **Book for Reference:** Jones, R. N. (2023). Theory and Practice of Counselling and Therapy (5th ed.). 1 SAGE South Asia Ryff, C. D., & Singer, B. (2008). Know thyself and become what you are: A 2 Eudaimonic approach to psychological well-being. In J. D. Wright (Ed.), International Encyclopedia of the social sciences (2nd ed., Vol. 8, pp. 143-148). Macmillan. Seligman, M. E. P. (2011). Flourish: A New Understanding of Happiness and Well-3 being – and how to achieve them. Free Press 4 Lyubomirsky, S. (2007). The How of Happiness: A Scientific Approach to getting the life you want. Penguin Press. Neff, K. D. (2011). Self-Compassion: The proven power of being kind to yourself. 5 William Morrow. 6 Gilbert, P. (2010). The Compassionate Mind: A new approach to life's challenges. Constable.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1												
CO2												
CO3												
CO4												
CO5												
CO6												

			Department		e		
Semester		Course Code	B. Com (A Course Title	nalytics) Course Duration	Course Type	Teaching Hours Per week	Credits
I		UG 24 CC 101	Constitutional Values I	30 Hours	Compulsory Course	2	2
Course Objectives: This course aims to provide a comprehensive understanding constitutional values in India, focusing on the foundation principles, evolution, and practical application of the Constitutional rigidity.							dational titution.
			in shaping de			_	-
		-	onalism in upho		_		
Course Out	com	ies					T levels
CO1		nalyze and explain the significance of constitutional T4 gidityand flexibility in the context of democratic values.					
CO2		aluate the contributions of key figures like Dr. B.R. T5					
			Jehru, and Pat	el in the	making of t	the Indian	
602		onstitution.		True do ma	natal Dialeta	Dinastina	T-0
CO3	Pr	inciples, a	the impact of nd Fundamen , and integrity i	tal Duties			
Module	1	Introducti Assembly,	on - Constitutio	nof India, (Constituent		10 Hrs
i.The Mak	ing	of the Cor	nstitution of Ind	lia: Evoluti	ion, National	list Movem	nent,
Composit	ion	of the Cor	stituent Assem	bly, Comm	nittees of the	Constitue	nt
			the Constitution				
		•	y: Role of Dr B.I	R. Ambedl	kar, Javaharla	al Nehru,	
		abhai Pate		** 1		.1 -5 - 1	•
	iii. Preamble of the Indian Constitution – Values enshrined in the Preamble; Sovereign, Secular, Socialistic, Democratic, Republic, Justice, Liberty, Equality						
	ı, Se	ecular, Soci	anstic, Democra	itic, Kepub	nic, Justice, L	iberty, Equ	iality
and							
Fraternity. Module		Fundamen	tal Rights and I	Outies			10 Hrs
i.Salient F	i.Salient Features of Indian Constitution and Basic Structure						

ii.Fundamental Rights and how these Rights are safeguarding individual

iv. Fundamental Duties

Module 3 Union Legislature, Executive and Judiciary

Liberal-Intellectual.

liberties iii.Directive Principles of the State Policy; Socialist, Gandhian, and

10 Hrs

i.Union Legislature - Parliament; Lok Sabha, Rajya Sabha - Composition, powers, functions

ii. Union Executive – President, Vice – President, Prime Minister, Union Council of Ministry, powers and functions, Leadership and collective responsibility iii. Judiciary – Supreme Court, High Courts, powers and functions and Judicial Activism in India

Skill Development:

Make a chart of evolution of Constitution of India and the Preamble.

2	Identify a case/scenario and analyse the fundamental rights and duties of the parties involved.
2	
3	Make a chart of the powers and functions of Union
	legislature, executive and the judiciary.
Book for Refer	rence:
1	B. K. Sharma, Introduction to the Constitution of India, Prentice Hall of India, New
	Delhi, 2002.
2	Austin, G. (1999). The Indian Constitution: Cornerstone of a Nation. Oxford
	University Press.
3	P. M Bakshi, Constitution of India, Universal Law Publishing House, New
	Delhi,
	1999
4	D. D. Basu, Introduction to the Constitution of India, Prentice Hall of India, New
	Delhi, 1982.
5	D. C. Gupta, Indian Government and Politics, Vikas publishing House, New
	Delhi,
	1975
6	
	S. N. Jha, Indian Political System, Historical Developments, Ganga
	Kaveri
	Publishing House, Varanasi, 2005

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	Н	L	Н	L	M		M			L		
CO2	Н		Н	L	M		M	L		L		
CO3	Н	L	Н	L	M		M			L		

B. Com (Analytics) Course Structure Semester II

Course Code	Title of the Course	Category	Lecture Hours per week	Credits
C5 24 GE 201	General English	Language 1	3	3
C5 24 KN 201	Kannada			
C5 24 HN 201	Hindi	Language 2	3	3
C5 24 AE 201	Additional English			
C5 24 MC 201	Corporate Accounting	Major Core	4	4
C5 24 MC 202	Business StatisticsII	Major Core	4	4
C5 24 MC 203	Business Economics	Major Core	4	4
C5 24 MC 204	Business Law	Major Core	4	4
UG 24 SB XXX	MOOCs / Certificate Course	Skill Based Course		1
UG 24 VB XXX	Extracurricular Activities	Value Based Activities		1
UG 24 CC 201	UG 24 CC 201 Constitutional Values II		2	2
	Total c	redits		26

	I	Department of (
		B. Com (Ana	alytics)					
Semester	Course Code	Course Title	Course Duration	Course Type	Teachir g Hours Per weel	3		
II	C5 24 MC 201	Corporate Accounting	60 Hours	Major Core	4	4		
Course Objectives		The course is designed keeping in view the awareness level requirement of students with regard to Corporate Accounting concepts and techniques.						
Course Outo								
CO1	Construct the financial statements of company as per the frame work of Ind AS.							
CO2	Devise a plan for Redemption of Preference shares. T5				T5			
CO3	Reconstruct the capital company ltd. after m reconstruction.			-		Т5		
CO4	Construct the Balance with Amalgamation.		naking neces	ssary in con	nnection	Т5		
CO5	Construct the Balance sheet after making necessary in connection with Absorption.					T5		
CO6	Construct the Balance with external re-cons		naking neces	ssary in con	nnection	T5		
Module 1	Preparation and Pres	entation of Fina	ancial Staten	nents		20 Hours		

Preparation and Presentation of Financial Statements as per Ind AS Schedule III (Excluding Consolidated Financial Statement) Overall Comprehensive Income, Changes in Equity, Cash Flow, Profit & Loss Statement, Balance Sheet.

Treatment of Special Items – Depreciation calculated as per Schedule II, Interest on Debentures, Provision for Tax, Dividends-Interim dividend, final dividend, Unclaimed Dividend, Corporate Dividend Tax. Organisation for Economic Cooperation and Development (OECD) – Principles of

Corporate Governance – Six principles (concept only) – Global Reporting Initiative (GRI) - Sustainability reporting in preparation and presentation of financial statements.

Module 2 Redemption of Preference Shares 10 Hours

Meaning, Legal provisions as per section 55 of Companies Act 2013, Treatment of Premium received on issue of shares Section 52, Creation of Capital Redemption Reserve (CRR), Fresh issue shares, Arranging for cash balance for the purpose of redemption (Use of Equation for finding out minimum or sufficient number of shares to be issued to the public at the time of redemption of preference shares) Minimum number of shares to be issued for redemption, Issue of Bonus shares by using CRR account, Basics of Buy Back of Shares.

Module 3	Internal Reconstruction - Capital Reduction	10 Hours			
Meaning, Objective, Procedure, Form of Reduction, Reorganisation through surrender of					
Shares, Subdivision and consolidation of shares, Materialisation of Contingent Liability					

,		,	J
Module 4	Amalgamation		10 Hours

Meaning of Amalgamation, Types of Amalgamation, Merger and Purchase, Calculation of Purchase Consideration, Accounting entries in the books of Selling or Vendor Company, Ledgeraccounts in the books of Selling Company, Journal entries in the books of buying company and

Preparation of Opening Balance sheet of the Amalgamated Company, Calculation of Goodwill or Capital Reserve. Treatment of Intercompany debts, Intercompany Owings, Unrealised Profits,

Discharge of Debentures, Discharge of debenture holders to get same amount of interest in spite of change in rate of interest, Issue of new shares to raise additional capital.

Module 5 Absorption 6 Hours

Absorption According to Ind AS 103. Forms of Purchase consideration – Deferred and Contingentconsideration. Accounting Entries in the Books of Selling or Vendor Company, Ledger accounts in the books of Selling company, Journal entries in the books of Buying Company and preparation Balance Sheet of the buying company, Calculation of Goodwill or Capital Reserve, Treatment of – Intercompany debts, Intercompany Owings, Unrealised Profits, Discharge of debentures, Discharge of debenture holders to get same amount of interest

Module 6 | External Reconstruction

4 Hours

Reconstruction According to Ind AS 103. Meaning - Accounting in the books of Transferor Company. Accounting in the books of Transferee (based on relevant accounting standard); intercompany transactions (excluding inter-company share-holding).

Skill Development:

(These activities are only indicative, the Faculty member can innovate)

1	Prepare the Depreciation Schedule II of Companies Act with imaginary figures.
	U
2	Prepare a report for a case of mergers or acquisitions. State the reasons why
	the firms decided to do so and the benefits derived by both companies.
3	Analyse any 5 cases of amalgamations/ absorption of Joint stock
	companies with a brief description of each case - name of purchasing &
	selling companies, nature of merger/absorption and purchase consideration.
4	Analyse the impact of covid on published financial statements by comparing the statements before and after the pandemic.
5	Identify from a published annual report the disclosures regarding acquisition, purchase consideration, nature of acquisition etc.
6	Present the depreciation table, asset register from an annual report.

Book for Reference:

1	Jain, S. P., & Narang, K. L. (2022). Advanced Accounts (12th ed.). Kalyani Publishers.
2	Maheshwari, S. N. (2021). Advanced Corporate Accounting (3rd ed.). Sultan Chand
	& Sons.
3	Sehgal, A., & Sehgal, D. (2022). Advanced Accounting: Corporate Accounting (1st

- ed.). Taxmann Publications.
 Singhal, S., & Shankaraiah, R. (2021). Manual of Financial Accounting and Reporting. CCH India.
- 5 Gupta, R. L., & Grewal, J. (2021). Advanced Accounts (4th ed.). Sultan Chand & Sons.
- 6 Shukla, M. C. (2022). Advanced Accounts (14th ed.). Sultan Chand & Sons.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	M	Н	L	Н			L		L	M		M
CO2	M		Н	Н	L		L		L	M		M
CO3	M		Н	Н	L		L		L	M		M
CO4	M	Н	L	Н			L		L	M		M
CO5	M	Н	L	Н			L		L	M		M
CO6	M		Н	Н	L		L		L	M	L	M

		-	partment of (
Seme	ester	Course Code	B. Com (Ana Course Title	Course Duration	Course Type	Teac Hours we	s Per	Cre d its
	II	C5 24 MC 202	Business Statistics II	60 Hours	Major Core	4	CK	
Cours Objec	-	This course aims understanding of proincluding the ident assessing the likelil hypothesis testing me the use of advance ANOVA for different explore the applicate determine and and thereby enhancing determine and analysis.	obability an ification of nood of ounethods for distatisticant business ations of calyze relat	relevant patcomes. Stepsingle and left technique scenarios. A orrelation ionships between the scenarios or t	role in bustorobability udents witwo means so like Chi Additionall and regresetween m	iness to distri ll lear , as we -Squar y, the ssion ultiple	ransach bution n to ell as ell as cours analy	ctions ns for apply justify st and se wil rsis to iables
Cours	e Outcon	nes		.,			T Lev	vels
CO1	determ	ate the scope of Pro- nination of certainty text of business trans	of possible	_			Τ	Γ3
CO2	Detern of poss	nine the type of probable outcome of Busi	obability d ness event.	listribution	on the b	asis	Т	Γ 4
CO3	Use the appropriate test of hypothesis for single mean and two means.							Г3
CO4	hypoth	the application of esis in accordance wit	h merit of t	he case.			Τ	Γ5
CO5		ne the applicability a rmining the relations					Т	Γ 4
CO6	in dete	ne the applicability a rmining the cause an variables.					1	Γ4
Mod	ule 1	Introduction to Probal	oility				10 I	Hours
-		and Definition of Pr				-	-	
Even Proba	ts - Ad	vents - Mutually Exdition, and Multipl (simple application		-			_	
Mod		Probability Distributi	ons				15 I	Hours
		tribution (meaning a		tance) and	its Probab	oility		
		ribution (meaning an	-	,		-		
Den	sityI	oblems). Normal Dis Function of Normal D simple application ill	istribution	- Standard	-			•
Mod	<u> </u>	Parametric Tests	- / ·				13 I	Hours
Нуро Нуро	othesis - I othesisTe	Importance of Hypo Level of Significance - esting: t-test, z-test, to Means and One way	- Level of C est for Sing	Confidence -	Type I and	l Type	II Erı	rors -

Mod	lule 4	Non-I	arame	tric Tes	sts							7 Hours	
	square te					ditions	s for	Chi-sc	juare	Test a	l		
prob	olems - trations)												
	dule 5	Corre	ation A	Analys	is							7 Hou	S
	ning - De Pearson's												-
Mod	dule 6	Regre	ssion A	nalysi	s							8 Hour	:s
Regre	ssion - M ssion - Fi	tting m	ultiple	linear	regress	sion m	odels (involvi	_			-	
	Developm		. 1	(1 1	7 1,	1							
(These	activities a								. C 1.	1		.:1.1.	
	1				e or p ness e		ility a	1Str1DU	ition t	oasea (on poss	sible	
	2	driv	Compute Correlation and Regression for identifying the useful drivers of a particular driven phenomenon using tools available in MS Excel.										
	3		Present business data using scatter plot for identifying direction and magnitude of the connect between two phenomena.										
	4		Understanding of occurrence of happening of an event and its distribution in different business scenarios.										
	5									r and p	present	the tes	ting
Book	for Refere												
	1				wden, E of India.		Kelin, S	S. (2021	l). App	lied G	eneral S	tatistics	(2nd
	2				usiness		ics (8th	ed.). W	liley.				
	3				Kapoor,). Sultai				amenta	als of 1	Mathem	atical	
	4	Veer	arajan,	T. (20		obabili			and R	andom	Process	ses (4th	ed.).
	5						atistics	(4th ed.). Pears	on Edu	cation In	dia.	
	6	Вајр	ai, N. (2	2022). E	Busines	s Statis	tics (3r	d ed.). 1	Pearson	Educat	ion India	•	
Mapp	Mapping of CO and PO												
	CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	P
													O 1 2
	CO1	CO1	Н	L	L	M	L						Н
	CO2	CO2	Н	L	L	M	L						Н
	CO3	CO3	H	L	L	M	L						Н
	CO5	CO4	H	L	L	M	L						Н
	CO5 CO6	CO5	H H	L L	L L	M M	L L						H
	CO0		11	L	L	171	ᆫ		<u> </u>]	l	11

			Department o B. Com (A							
Semeste	er	Course Code	Course Title	Course Duration	Course Type	Teaching Hours Per week	Credits			
II		C5 24 MC 203	Business Economics	60 Hours	Major Core	4	4			
Course Objective	es	The objective of the Concepts of econor								
Course (Dute	comes					T Levels			
CO1	-	plain the Meaning siness economists in	-			nd role of	T2			
CO2		Illustrate the range of approaches to the study of consumer behavior and its implications.								
CO3		n demand product or	T4							
CO4		amine the law of action for determin			ions on p	oroduction	T4			
CO5		mpare and contr plications on Pricir			structur	e and its	T4			
CO6	imj	scribe the change plications on Mo cisionmaking.			•		T2			
Module	odule 1 Business Economics									
Meaning Objectiv	g-] es c	Definitions - Cha of Business Econon	racteristics-Sonics-goals of l	cope of Bus ousiness - M	siness Ecclicro & Ma	onomics <i>–</i> acro Econo	Uses and mics.			
Module	2	Consumer Behavior	ur				15 Hours			
Margina Consum	ıl U ıer S	s to the Study of (tility - Ordinal A _l Surplus: Meaning	pproach – Ind	lifference C	urve Anal	lysis - Pro	perties -			
Module	dule 3 Theory of Demand and Analysis									

Demand-Demand Determinants-Law of Demand-Characteristics- Exceptions- Elasticity of Demand - Price Elasticity - Types - Determining Factors-Change in Demand and Elasticity of Demand- Business Applications of Price Elasticity- Concepts of Income and Cross Elasticity of Demand - Price Elasticity of Demand Measurement By Total Outlay Method including mathematical problems- Survey of buyer's intention - Collective opinion - Trend projection - Economic Indicator. Demand forecasting methods for a new product including mathematical problems.

Module 4 **Production Function**

8 Hours

Law of Supply-Meaning-Determinants of Supply. Production Function: Equilibrium Though Isoquants and Isocosts -Types of Cost- relationship between different types of costs and breakeven analysis.

Module 5	Market Structure	12 Hours
Element on Price Discr Monopolist	mpetition-Features-Price and Output Determination-Influence Price and Output-Monopoly- Features- Price and Output Determination- Price Output Determination Under Discriminating is Competition-Features-Price and Output Determination in Shor-Features of Duopoly and Oligopoly	rmination- Monopoly.
Module 6	Business Cycles	6 Hours
accelerator	ycles-Phases of Business cycle-Effects of Business Cycle- Mul theory - Keynesian theory- Measures to control the Business cycle policy- Inflation-Causes and Measures. pment:	-
(These activiti	es are only indicative, the Faculty member can innovate)	
1	Draft a diagrammatic representation of inflation rates for specific pr using secondary data from websites	oducts
2	Analyse and report the case studies that will have impact business decision-making in each chapter.	on
3	Conduct a survey report on the demand forecasting for a produ	ct.
4	Choose a product and apply price elasticity in real market co	onditions.
5	Prepare detailed charts on Consumer Surplus.	
6	Conduct minor survey to understand the consumption and savinof consumers in the last two years	ng pattern
Book for Ref		
1	Mithani, D. M. (2021). Business Economics (2nd ed.). Himalaya Publishing F	House.
2	Reddy, P. N., & Appanaiah, H. R. (2021). Essentials of Business Economics Penram International Publishing.	(2nd ed.).
3	Agarwal, S. (2022). Business Economics (3rd ed.). Taxmann Publications.	
4	Varshney, R. L., & Maheshwari, K. (2021). Managerial Economics (2nd ed.). S & Sons.	Sultan Chand
5	Seth, M. L. (2021). Textbook of Economic Theory (2nd ed.). Chand S Public	ations.
6	Reddy, G. S., & Reddy, M. S. (2021). Business Economics (2nd ed.). Vika House.	s Publishing

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	Н	Н	M	M	L	L					L	
CO2	Н	Н	M	M	L	L					L	
CO3	Н	L	M	M	L	Н					L	
CO4	Н	L	M	M	L	L						
CO5	Н	Н	M	M	L	L					L	
CO6	Н	Н		M	L	L					L	

			Department of Co B. Com (Analy							
Semeste	er	Course Code	Course Title	Course Duration	Course Type	Teaching Hours Pe week				
II		C5 24 MC 204	Business Law	60 Hours	Major Core	4	4			
Course Objectiv	es ar	obal law and their				ired for m	ercantile			
Course C	Outcon	nes					T Levels			
Explain the scope of Business Law and its implication on various Business transactions.										
CO2		rate the legal fran naking a valid con		Contract Ac	et and its	essentials	Т3			
CO3		nine the legal frame ffecting a transfer of		oods Act 193	35 and its	essentials	T5			
CO4	Exan	nine the legal frame	ework of Intellectu		Legislatio	on and its	T4			
CO5	Exan	nine the provision ing to consumer pro	s of Consumer P		et and its	practice	T5			
CO6										
Module		risprudence and Sc	ope				4 Hours			
		Law - Classificating and Scope of b					urein			
Module		dian Contract Act o					22 Hours			
of partie	s - Fre	ypes of contract – ee consent– Legalit Remedies for brea	ty of object and co	-						
Module	3 Sa	ale of Goods Act 193	30				8 Hours			
		of Goods – Co f contracts – Remed		arranties -	- Transfe	er of ow	nership -			
Module		tellectual Property					8 Hours			
WTOagr inventor	reemer - Pro	scope of Intellectuants: Background - C cedure for grant o hts to patentee - In	Objectives – Definit of Process and Pro	ion – Invent duct Patent	ions - Pate	entee – Tru	e and first			
Module	5 C	onsumer Protection	Act [COPRA]				8 Hours			
Consum Commis Impact o	er Pro sion a f unetl	Definition – Const tection Council – C nd National Comm hical practices in se the achievement of	Consumer Redressa dission. Key highlig Iling and consump	al Agencies - ghts of the C tion like adu	- District F Consumer I Iteration, I	Forum – Sta Protection noarding, b	ate Act, 2019			

(Responsible consumption and production)	

Module 6 Cyber Laws 1999 and Global Law 10 Hours

Information Technology Act, 2000 - Objectives - Definitions and salient features - Provisions pertaining to piracy and related offences and penalties.

Essential elements of legal systems- Business, political and International legalregulation and conflicts of laws Formation and constitution of business organizations -Agency law, Partnerships, corporations and legal personality, insolvency law and administration. Governance and ethical issues relating to business - Corporate fraudulent behaviour.

Behavioral ethics and justice: - Relationship between justice perceptions in employees and comparison of ethical and unethical behaviors like violation of conscience, failure to honor commitments, unlawful conduct, disregard of company law

Skill Development:

1	Analyse and prepare a report on the importance of Bankruptcy law.
2	Draft a 'rent agreement' incorporating all the essential features of a valid agreement
3	Draft an agreement to repay a loan borrowed from a bank on installmentbasis.
4	Analyse and prepare a report on Case laws 'involving points of law of contracts'
5	Draft a complaint against 'unfair trade practice' adopted by a businessman, to the consumer forum.
6	Prepare a report on the latest cases of both High Court and Supreme Court on Environmental issues with both facts and judgements [at least 2 cases].
7	Analyse and discuss examples of violation of Cyber Laws
8	Make a visit to the nearby Civil court, and present your observations of a case attended to the class
9	Develop Mock Court scenario in the class to present a latest popular case from the consumer court
10	Prepare and discuss the role and importance of Limited Liability Partnership in class.

Book for Reference:

1	Singh, A. (2022). Business Law (6th ed.). Pearson India.
2	Tuli, P. (2021). Business Law: Text and Cases (2nd ed.). McGraw-Hill Education.
3	Ashwathappa, K. (2021). Business Law (3rd ed.). Himalaya Publishing House.
4	Sen, S. (2020). Business law: Text and Cases (3rd ed.). Cengage Learning India.
5	Kapoor, N. D. (2021). Business Law (4th ed.). Sultan Chand & Sons.
6	Maheshwari, S. K. (2020). Business Law (2nd ed.). Vikas Publishing House.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	Н	Н	L	M	M			L		L		
CO2	Н	Н	L	M	M			L		L		
CO3	Н	Н	L	M	M			L		L		
CO4	Н	L		M	Н			L		L		
CO5	Н	L		M	Н			M		L		
CO6	Н	L	L	M	Н			M		L		

			Department of O B. Com (Ana		2						
Semeste	er	Course Code	Course Title	Course Durati on	Course Type	Teachin g Hours Per week	Credits				
II		UG 24 CC 201	Constitutional Values II	30 Hours	Compulsor y Courses	2	2				
Course Objective :		This course aims executive and High debates, and conte on governance and social equity.	h Court. Students	will expl	lore key cons	titutional p	provisions, enstitution				
Course C							T Levels T4				
CO1 Analyze the role of decentralization and cooperative federalism in strengthening the Indian political system.											
CO2 Discuss the effectiveness of constitutional provisions and affirmative actions in promoting social welfare, equality, and protection of vulnerable groups.											
CO3 Demonstrate the powers and functions of Election Commission in India.											
Module	1	State Legislature a	nd State Executive				10 Hours				
Module Democra Constitu Procedur	atic lationare in	Relations, Coopera Democratic Decent Decentralization; L al amendments, n India; Simple, S Indian Constitution Election Commissi	ralisation ocal Self-Governr contemporary contemporary contemporary contemporary contents on with special references.	nent, Urb hallenges cial with	an Governme - Constitut Concurrence	ional Am of States	endment - Basic				
Election Commiss	Cosion ST(23	mmission of Indi s; UPSC and State 3%),OBC(27%), EW	ia; Composition, Public Service Co	ommissior	n - Affirmativ	e Action; I	lic Service Reservation				
1		Make a chart of different profiles.	State Legislature	structure	and identify	y the peop	ole holding				
2		Analyse any of the observations.	election process co	nducted ir	n the previous	years and p	resent your				
3		Study the Keshava your observations.		ake a repo	ort and also pro	esent it in th	ne class with				
Book for	Ref	erence:									
1		Ambedkar, B. R. (194	8), The Constitution	of India, G	Government of In	ıdia.					
2	2 Basu, D. D. (2018). Introduction to the Constitution of India, LexisNexis.										
3			he Indian Constitut	ion: Corner	rstone of a Nati	on, Oxford	Iniversity				
	 Austin, G. (1999). The Indian Constitution: Cornerstone of a Nation, Oxford Univer Press. Sharma, B. K. (2021). Introduction to the Constitution of India. Prentice Hall. 										

5	Singh, M. P., & Saxena, R. (2008). Indian Politics: Constitutional Foundations and Institutional Functioning. PHI Learning.						
6	Khosla, M. (2012). The Indian Constitution, Oxford University Press						

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	Н	L	Н	L	M		M			L		
CO2	Н		Н	L	M		M	L		L		
CO3	Н	L	Н	L	M		M			L		