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8	The Deputy Registrar, Executive Authorities Section (EA) ea120@fort.mu.ac.in He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to the above circular.
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15	The Assistant Registrar, School of Engg. & Applied Sciences, Kalyan, ar.seask@mu.ac.in
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19	Director, Department of Lifelong Learning and Extension (DLLE), dlleuniversityofmumbai@gmail.com

Copy for information :-

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4	P.A to all Deans of all Faculties
5	P.A to Finance & Account Officers, (F & A.O), camu@accounts.mu.ac.in

To,

1	The Chairman, Board of Deans pvc@fort.mu.ac.in
2	Faculty of Humanities, Offg. Dean 1. Prof.Anil Singh Dranilsingh129@gmail.com Offg. Associate Dean 2. Prof.Manisha Karne mkarne@economics.mu.ac.in 3. Dr.Suchitra Naik Naiksuchitra27@gmail.com
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4	The Director, Board of Examinations and Evaluation, dboee@exam.mu.ac.in
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As Per NEP 2020

University of Mumbai



Syllabus for Major Vertical – 1 & 4

Name of the Programme – B.Com. (Accounting and Finance)		
Faulty of Commerce		
Board of Studies in Accountancy and Finance		
U.G. Second Year Programme	Exit Degree	U.G. Diploma in Accounting and Finance
Semester		III & IV
From the Academic Year		2025-26

University of Mumbai



(As per NEP 2020)

Sr. No	Heading	Particulars
1	Title of program O: _____	B.Com. (Accounting and Finance)
2	Exit Degree	U.G. Diploma in Accounting and Finance
3	Scheme of Examination R: _____	NEP 40% Internal 60% External, Semester End Examination Individual Passing in Internal and External Examination
4	Standards of Passing R: _____	40%
5	Credit Structure Sem. III – R: CU – 510 C Sem. IV– R: CU – 510 D	Attached herewith
6	Semesters	Sem. III & IV
7	Program Academic Level	5.00
8	Pattern	Semester
9	Status	New
10	To be implemented from Academic Year	2025-26

Sd/-
Sign of the BOS
Chairman
Prof. Dr. Arvind Luhar
Board of Studies in
Accountancy and
Finance

Sd/-
Sign of the
Offg. Associate Dean
Prin. Kishori Bhagat
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Associate Dean
Prof. Kavita Laghate
Faculty of
Commerce &
Management

Sd/-
Sign of the
Offg. Dean
Prin. Ravindra
Bambardekar
Faculty of
Commerce &
Management

**Under Graduate Diploma in Accounting and Finance
Credit Structure (Sem. III & IV)**

R: _____ C										
Level	Semester	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Cum. Cr. / Sem.	Degree/ Cum. Cr.
		Mandatory	Electives							
5.0	III	Financial Accounting – III (4)			2	VSC:2, Mutual Fund Distributor – I (2)	AEC:2	FP: 2 CC:2	22	UG Diploma 88
		Cost Accounting – I (4)								
	R: _____ D									
	IV	Financial Accounting – IV (4)		4	2	SEC:2 Mutual Fund Distributor – II (2)	AEC:2	CEP: 2CC:2	22	
		Cost Accounting – II (4)								
	Cum Cr.	28		10	12	6+6	8+4+2	8+4	88	

Exit option; Award of UG Diploma in Major and Minor with 80-88 credits and an additional 4 credits core NSQF course/ Internship OR Continuewith Major and Minor

[Abbreviation - OE – Open Electives, VSC – Vocation Skill Course, SEC – Skill Enhancement Course, (VSEC), AEC – Ability Enhancement Course, VEC – Value Education Course, IKS – Indian Knowledge System, OJT – on Job Training, FP – Field Project, CEP – Continuing Education Program, CC – Co-Curricular, RP –

Sem. - III

Vertical – 1 Major

Syllabus
B.Com. (Accounting and Finance)
(Sem.- III)

Title of Paper: Financial Accounting - III

Sr. No.	Heading	Particulars
1	Description of the course: Including but not limited to:	This course delves into the critical aspects of business restructuring and partnership accounting, equipping you with essential skills for today's dynamic financial landscape. It will explore amalgamations, dissecting merger and purchase accounting methods, and master purchase consideration calculations. The learners learn the intricacies of converting partnerships into limited companies using the realization method, and understand the legal and financial frameworks of Limited Liability Partnerships (LLPs), including their formation and financial disclosures. A key focus will be on accurately apportioning profits before and after incorporation, a vital skill for financial reporting. This knowledge opens doors to diverse career paths in corporate finance, auditing, taxation, and consulting. Through case studies and practical exercises, learners gain the confidence to navigate complex restructuring scenarios and contribute meaningfully to financial decision-making.
2	Vertical:	Major
3	Type:	Theory
4	Credit:	4 credits (1 credit = 15 Hours for Theory)
5	Hours Allotted:	60 Hours
6	Marks Allotted:	100 Marks

7	<p>Course Objectives:</p> <ul style="list-style-type: none"> • To understand the concepts and accounting treatments related to the amalgamation of firms, including mergers and purchases. • To analyze the process of converting a partnership firm into a limited company and an LLP, along with the necessary financial adjustments. • To evaluate the legal and financial aspects of Limited Liability Partnerships (LLPs) and their differences from other business structures. • To compute and apportion profits or losses between pre- and post-incorporation periods for newly formed companies.
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8	<p>Course Outcomes:</p> <ul style="list-style-type: none"> • The learners will be able to prepare accounting entries and financial statements for amalgamated firms using pooling of interest and purchase methods. • The learners will be able to apply the realisation method to convert a partnership firm into a limited company and prepare the new balance sheet. • The learners will be able to interpret the provisions of the LLP Act, 2008 and prepare final accounts for an LLP. • The learners will be able to calculate pre- and post-incorporation profits/losses and appropriately treat them in financial statements.
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9	Modules: - 04
	Module 1: Amalgamation of Firms
	<ul style="list-style-type: none"> • Introduction: Meaning, Concept and Case studies. • Types of amalgamation – merger and purchase. • Accounting for amalgamation – Pooling of interest method and purchase method. • Computation of Purchase consideration. • Journal/Ledger accounts of old firms • Preparing Balance sheet of new firm • Treatment of goodwill arising on amalgamation.
	Module 2: Conversion / Sale of a Partnership Firm into a Ltd. Company
	<ul style="list-style-type: none"> • Provisions related to Conversion/ Sale by use of Realisation method only. • Calculation of New Purchase consideration. • Preparation of Journal / Ledger Accounts of old firms. • Preparing Balance sheet of new company

Module 3: Accounting for Limited Liability Partnership

- Meaning of Term Limited Liability Partnership, its need, scope and advantages
- Relevant Definitions under Section 2 of the LLP Act, 2008
- Incorporation of LLP, Partners and their relations.
- Financial disclosures related to Limited Liability Partnership.
- Conversion of partnership business into Limited Liability Partnership
- Differences with other forms of organization
- Preparing Final Accounts of Limited Liability Partnership.

Module 4: Ascertainment and Treatment of Profit Prior to Incorporation

- Introduction to Pre and Post Incorporation.
- Basis of Apportionment between Pre and Post Incorporation Period.
- Computation of Pre and Post Incorporation Profit/ Loss
- Treatment of Pre and Post Incorporation Profit/ Loss

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Text Books:

1. Introduction to Accountancy by T.S. Grewal, S. Chand and Company (P) Ltd., New Delhi.
2. Advance Accounts by Shukla and Grewal, S. Chand and Company (P) Ltd., New Delhi
3. Advanced Accountancy by R.L Gupta and M. Radhaswamy, S. Chand and Company (P) Ltd., New Delhi
4. Modern Accountancy by Mukherjee and Hanif, Tata Mc. Grow Hill and Co. Ltd., Mumbai

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Reference Books:

1. Financial Accounting for Management by Dr. Dinesh Harsalekar, Multi-Tech. Publishing Co. Ltd., Mumbai
2. Financial Accounting by P.C. Tulsian, Pearson Publications, New Delhi
3. Indian Accounting Standards, Ashish Bhattacharya, Tata Mc. Grow Hill and Co. Ltd., Mumbai
4. Financial Accounting by V. Rajasekaran, Pearson Publications, New Delhi

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Internal Continuous Assessment: 40%

**External, Semester End Examination
60% Individual Passing in Internal
and External Examination**

13

Continuous Evaluation through:

	Assessment/Evaluation	Marks
1	Class Test during the	20

**Semester End External – 60 Marks
Time – 2 Hours**

Attempt any 4 out of 6 questions

	(Physical/ Online mode). (Short notes/ MCQ's/ Match the Pairs/ Answer in one sentence/ puzzles)	
2	Participation in Workshop/ Conference/Seminar, Assignment & Viva. (Physical/Online mode)	10
3	Participation in Case Study/ Field Visit /Certificate Course. (Physical/Online mode)	10

Question No.	Questions	Marks
Q.1	Practical/ Theory	15
Q.2	Practical/ Theory	15
Q.3	Practical/ Theory	15
Q.4	Practical/ Theory	15
Q.5	Practical/ Theory	15
Q.6	Practical/ Theory	15

Note

1. Equal Weightage is to be given to all the modules.
2. 15 marks question may be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given however, it is not mandatory.
3. Use of simple calculator is allowed in the examination.
4. Wherever possible more importance is to be given to the practical problem.

Syllabus
B.Com. (Accounting and Finance)
(Sem.- III)

Title of Paper Cost Accounting – I

Sr. No.	Heading	Particulars
1	Description of the course: Including but not limited to:	<p>This course is designed to equip specialized learners of accounting and finance with the essential skills to navigate the intricate world of cost analysis and management decision-making. In today's competitive business landscape, understanding cost structures and implementing effective management accounting practices is crucial for organizational success. This course will delve into the fundamental concepts of cost accounting, including material, labor, and overhead analysis, and explore advanced topics like activity-based costing (ABC). By mastering these principles, learners will be prepared to provide valuable insights for strategic planning, performance evaluation, and profitability enhancement. This course will bridge the gap between theoretical knowledge and practical application, ensuring learners are well-equipped to excel in roles that demand accurate cost information and sound financial judgment.</p>
2	Vertical:	Major
3	Type:	Theory
4	Credit:	4 credits (1 credit = 15 Hours for Theory)
5	Hours Allotted:	60 Hours
6	Marks Allotted:	100 Marks

7	<p>Course Objectives:</p> <ul style="list-style-type: none"> • To explain the fundamental concepts, objectives, and importance of cost and management accounting. • To analyze material storage and record systems, and <i>prepare</i> stock ledger accounts using FIFO and weighted average methods. • <i>To evaluate</i> the methods of employee cost control and <i>apply</i> wage payment and incentive systems. • To assess the impact of overhead allocation on product costing and <i>justify</i> the selection of appropriate absorption methods..
8	<p>Course Outcomes:</p> <ul style="list-style-type: none"> • Learners will be able to compare and contrast cost accounting, financial accounting, and management accounting, and apply activity-based costing (ABC) to solve practical problems. • Learners will be able to calculate the Economic Order Quantity (EOQ) and demonstrate the preparation of stock ledger accounts. • Learners will be able to compute employee costs under various wage systems and calculate labour turnover using replacement and separation methods. • Learners will be able to apply absorption costing methods to allocate overheads in different scenarios.

9	Modules: - 04
	Module 1: Introduction to Cost and Management Accounting
	<ul style="list-style-type: none"> • Meaning, objective and importance of Cost and Management Accounting • Functions and role of Cost Accounting Department in an organization • Installation of Cost Accounting System in an organization • Differentiate between Cost Accounting, Financial Accounting and Management Accounting. • Various elements and classifications of cost and methods of costing. • Need for Activity Based Costing (ABC) • Practical problems of Activity Based Costing (ABC)
	Module 2: Material Cost
	<ul style="list-style-type: none"> • Meaning, need for and importance of material • Material Storage and Records: Bin Cards, Stock Control Cards and Store

- Preparation of Stock Ledger Account using FIFO and Weighted Average Method.
- Computation of Economic Order Quantity (EOQ).

Module 3: Employee Cost

- Meaning and importance of Employee (Labour) cost in an organisation
- Employee (Labour) cost control: Functions, Factors and Procedures
- Idle Time: Causes, Treatment and computation of Effective hourly cost of employee.
- Over Time: Causes and Treatment
- Systems of Wage Payment and Incentives: Calculation of wages/salary/employee cost based on Time Rate System, Piece Rate System and Premium Bonus Method (Halsey Premium Plan and Rowan Premium Plan)
- Employee (Labour) Turnover: Meaning and Calculation based on Replacement Method and Separation Method.

Module 4: Overheads – Absorption Costing Method

- Meaning of Overheads-Classification: Production, administrative and selling and distribution.
- Classification of overheads into fixed and variable.
- Meaning and methods of allocation of overheads to various departments.
- Apportionment and absorption of overheads.

Reference Books:

- Cost Accounting Theory and Practice by B.K. Bhar, Tata Mc. Grow Hill and Co. Ltd., Mumbai
- Cost Accounting Principles and Practice by M.N. Arora, Vikas Publishing House Pvt. Ltd., New Delhi
- Advanced Cost and Management Accounting: Problems and Solutions by V.K. Saxena and C.D. Vashist, S. Chand and Company (P) Ltd., New Delhi
- Cost Accounting by S.P. Jain and K.L. Narang, Kalyani Publishers, Ludhiana
- Modern Cost and Management Accounting by M. Hanif, Tata McGraw Hill Education Pvt. Ltd., New Delhi Lectures on Costing by Swaminathan: S. Chand and Company (P) Ltd., New Delhi
- Cost Accounting by C.S. Rayudu, Tata Mc. Grow Hill and Co. Ltd., Mumbai
- Cost Accounting by Jawahar Lal and Seema Srivastava, Tata Mc. Grow Hill and Co. Ltd., Mumbai
- Cost Accounting by Ravi M. Kishore, Taxman Ltd., New Delhi

- Principles and Practices of Cost Accounting by N.K. Prasad, Book Syndicate Pvt. Ltd., Calcutta

11 Internal Continuous Assessment: 40%

**External, Semester End Examination
60% Individual Passing in Internal
and External Examination**

Continuous Evaluation through:

	Assessment/Evaluation	Marks
1	Class Test during the lectures. (Physical/ Online mode). (Short notes/ MCQ's/ Match the Pairs/ Answer in one sentence/ puzzles)	20
2	Participation in Workshop/ Conference/Seminar, Assignment & Viva. (Physical/Online mode)	10
3	Participation in Case Study/ Field Visit /Certificate Course. (Physical/Online mode)	10

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**Semester End External – 60 Marks
Time – 2 Hours
Attempt any 4 out of 6 questions**

Question No.	Questions	Marks
Q.1	Practical/ Theory	15
Q.2	Practical/ Theory	15
Q.3	Practical/ Theory	15
Q.4	Practical/ Theory	15
Q.5	Practical/ Theory	15
Q.6	Practical/ Theory	15

Note

- Equal Weightage is to be given to all the modules.
- 15 marks question may be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given however, it is not mandatory.
- Use of simple calculator is allowed in the examination.

VSC

Syllabus
B.Com. (Accounting and Finance)
(Sem.- III)

Title of Paper: Mutual Fund Distributor – I

Sr. No.	Heading	Particulars
1	<p>Description of the course:</p> <p>Including but not limited to:</p>	<p>This course provides a foundational understanding of investment principles and the functioning of mutual funds, equipping learners with the knowledge to make informed financial decisions. The first module explores the investment landscape, covering financial goals, asset classes, risk assessment and behavioral biases that influence investment choices. Learners will learn risk profiling techniques and asset allocation strategies to build optimal portfolios.</p> <p>The second module focuses on mutual funds, explaining their concept, types and their role in wealth creation. It examines the growth of India's mutual fund industry, regulatory frameworks and how mutual funds cater to diverse investor needs. Through practical insights and case studies, learners will evaluate fund performance, costs (expense ratios, loads) and alignment with financial objectives.</p> <p>Designed for aspiring investors, finance professionals and wealth advisors, this course bridges theory with real-world applications, preparing participants to navigate financial markets confidently. With India's growing mutual fund industry and increasing retail participation, this knowledge is invaluable for careers in investment advisory, financial planning and asset management.</p>
2	<p>Vertical:</p>	<p>VSC</p>
	<p>Types:</p>	<p>Theory:</p>

4	Credit:	2 credits (1 credit = 15 Hours for Theory)
5	Hours Allotted:	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives: <ul style="list-style-type: none"> To analyze the investment landscape by evaluating different asset classes, risk-return trade-offs, and behavioral biases affecting investment decisions. To understand the structure, functioning, and role of mutual funds in wealth creation, along with their classification and growth in the Indian market. 	
8	Course Outcomes: <ul style="list-style-type: none"> The learners will be able to assess investment risks, apply risk management strategies, and create suitable asset allocation plans based on individual risk profiles. The learners will be able to evaluate various types of mutual funds and prepare investment plan for an individual. 	
Modules: - 02		
Module 1: Investment Landscape & Concept and Role of a Mutual Fund		
9	A. Investment Landscape <ul style="list-style-type: none"> Investors and their Financial Goals Savings or Investments?: Meaning and Importance. Different Asset Classes: Real Estate; Commodities; Fixed Income; Equity; Hybrid asset classes: Characteristics and Present Indian and Global Scenarios. Different Types of Risks: Investment Risks, Inflation Risk; Liquidity Risk; Credit Risk; Interest Rate Risk; Market Risk and Price Risk Risk Measures and Management Strategies Behavioural Biases in Investment Decision Making Risk Profiling of Individuals: Case Studies Understanding Asset Allocation: Case Studies B. Concept and Role of a Mutual Fund <ol style="list-style-type: none"> Concept of Mutual Fund <ul style="list-style-type: none"> Role of Mutual Funds Investment Objectives of Mutual Funds 	

- Important Concepts in Mutual Funds
- Advantages of Mutual Funds for Investors
- Limitations of Mutual Fund

2. Classification of Mutual Funds

- By the structure of the fund
- By the management of the portfolio
- By the investment universe
- Mutual fund scheme categorization and SEBI regulation: Equity Schemes, ii. Debt Schemes, iii. Hybrid Schemes, iv. Solution Oriented Schemes , v. Other Schemes

3. Growth of the mutual fund industry in India

Module 2: Legal Structure of Mutual Funds in India & Net Asset Value, Total Expense Ratio and Pricing of Units

A. Legal Structure of Mutual Funds in India

- Structure of Mutual Funds in India
- Key Constituents of a Mutual Fund: a. Sponsors, b. Board of Trustees, c. Mutual Fund Trust, d. Asset Management Company, e. Custodian
- Organization Structure of Asset Management Company
- Role and Support function of Service Providers
- Role and Function of Association of Mutual Funds in India.

B. Net Asset Value, Total Expense Ratio and Pricing of Units

- Fair Valuation Principles
- Computation of Net Assets of Mutual Fund Scheme and NAV (Practical sums): a. Net Assets of Scheme, b. Net Asset Value, c. Mark to Market, d. Total Expenses in Mutual Fund Scheme
- Dividends & Distributable Reserves
- Concept of Entry and Exit Load and its impact on NAV (Practical sums)
- Key Accounting and Reporting Requirements
- NAV, Total expense ratio and pricing of units for the Segregated Portfolio (Practical sums)

Reference Books:

- Mutual Fund Foundation by National Institute of Securities Markets
- Mutual Fund Distributor by National Institute of Securities Markets
- How to Make a Fortune Through Mutual Funds: Hunt with the Hounds by Ashu Dutt

- Bogle On Mutual Funds: New Perspectives for The Intelligent Investor by John C. Bogle
- Indian Mutual Funds Handbook 5th Edition: A Guide for Industry Professionals and Intelligent Investors by Sundar Sankaran
- Common Sense on Mutual Funds: New Imperatives for the Intelligent Investor by John C. Bogle
- Mutual Funds-Ladder to Wealth Creation by Vivek K Negi
- A Guide to Indian Mutual Fund Investment by Dr. Susanta Kumar Mishra
- Mutual Funds Made Easy! by Gerard W. Perritt
- Mutual Funds for Dummies by Eric Tyson

11

Internal Continuous Assessment: 40%

**External, Semester End Examination
60% Individual Passing in Internal and External Examination**

Continuous Evaluation through:

	Assessment/Evaluation	Marks
1	Class Test during the lectures. (Physical/ Online mode). (Short notes/ MCQ's/ Match the Pairs/ Answer in one sentence/ puzzles)	10
2	Participation in Workshop/ Conference/Seminar, Assignment & Viva. (Physical/Online mode)	5
3	Participation in Case Study/ Field Visit /Certificate Course. (Physical/Online mode)	5

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**Semester End External – 30 Marks
Time – 1 Hour**

Attempt any 2 out of 3 questions

Question No.	Questions	Marks
Q.1	Practical/ Theory	15
Q.2	Practical/ Theory	15
Q.3	Practical/ Theory	15

Note

1. Equal Weightage is to be given to all the modules.
2. 15 marks question may be subdivided into 8 marks + 7 marks, 10 marks + 5 marks and 5 marks + 5 marks + 5 marks. Internal options may be given however, it is not mandatory.
3. Use of simple calculator is allowed in the examination.
4. Wherever possible more importance is to be given to the practical problem.

AC – 28/03/2025

Item No. – 7.9 (N) (4ab) Sem. III & IV

As Per NEP 2020

University of Mumbai



Syllabus for Minor Vertical 2

Faculty of Commerce & Management

Board of Studies in Business Management

Second Year Programme in Minor - Fundamentals of Business and Financial Analysis -II

Semester

III & IV

Title of Paper

Sem.

Total Credits 4

I) Fundamentals of Business and Financial Analysis -II

III

4

Title of Paper

Credits

I) Fundamentals of Business and Financial Analysis - III

IV

4

From the Academic Year

2025-26

Sem. - III

Syllabus
B.Com. (Business Management)
(Sem.- III)

Title of Paper :) Fundamentals of Business and Financial Analysis -II

Sr. No.	Heading	Particulars
1	<p>Description the course :</p> <p>Including but Not limited to :</p>	<p>Introduction: This course is designed to provide students with a comprehensive understanding of financial analysis techniques, focusing on critical areas such as cash flow statements, profitability analysis, ratio analysis, and financial reporting. It also covers growth evaluation and sustainable earnings, with special emphasis on Price-to-Book (P/B) and Price-to-Earnings (P/E) ratios. The course builds upon fundamental financial concepts and equips students with analytical tools essential for business decision-making.</p> <p>Relevance: Financial analysis is a cornerstone of business decision-making. This course is highly relevant as it enables students to assess a company's financial health, profitability, and sustainability. It provides them with insights into financial performance, which is crucial for managers, investors, analysts, and regulators.</p> <p>Usefulness: The course equips students with practical skills in:</p> <ul style="list-style-type: none"> • Interpreting cash flow statements to assess liquidity and operational efficiency. • Evaluating profitability metrics to determine business performance. • Using ratio analysis to benchmark financial health against industry standards. • Writing financial reports that communicate insights effectively to stakeholders. • Assessing growth and sustainable earnings through P/B and P/E ratios, aiding investment decisions. <p>Application: The concepts learned in this course are applicable in various real-world scenarios, such as:</p> <ul style="list-style-type: none"> • Corporate financial management – Decision-making on resource allocation. • Investment analysis – Evaluating stocks and investment opportunities.

- **Risk assessment** – Identifying financial risks and mitigating them.
- **Strategic planning** – Using financial insights to drive business growth.
- **Consulting and advisory services** – Providing financial recommendations to businesses.

Interest: Students with an interest in finance, business strategy, and investment management will find this course particularly engaging. It combines **quantitative analysis** with **strategic decision-making**, offering both numerical rigor and practical insights.

Connection with other courses: This course is closely related to:

- **Financial Accounting** – Understanding the basics of financial statements.
- **Corporate Finance** – Applying financial analysis for investment and funding decisions.
- **Investment Management** – Using valuation ratios for stock analysis.
- **Strategic Management** – Aligning financial decisions with business strategies.
- **Business Analytics** – Leveraging financial data for predictive modeling.

Demand in the Industry: Financial analysis skills are in high demand across industries such as:

Banking and financial services – Credit assessment, investment research.

Consulting firms – Financial advisory services.

Corporate sector – Business planning and budgeting.

Investment firms – Stock market and portfolio analysis.

Government and regulatory bodies – Financial compliance and policy-making.

Job prospects: Completion of this course prepares students for various career opportunities, including:

- **Financial Analyst** – Evaluating business performance and investment opportunities.
- **Investment Analyst** – Assessing stock valuations and growth potential.
- **Corporate Finance Manager** – Managing a company's financial planning.
- **Risk Analyst** – Identifying financial risks in investment and business operations.

		<ul style="list-style-type: none"> • Equity Research Analyst – Analyzing financial statements for stock recommendations. • Management Consultant – Advising businesses on financial strategy.
2	Vertical :	Minor
3	Type :	Theory / Practical
4	Credit:	4 credits (1 credit = 15 Hours in a semester)
5	Hours Allotted :	60 Hours
6	Marks Allotted:	100 Marks
7	Course Objectives: <ol style="list-style-type: none"> 1. Develop Financial Analysis Skills 2. Enhance Ratio Analysis Proficiency 3. Improve Financial Report Writing 4. Evaluate Growth and Sustainable Earnings 5. Apply Analytical Techniques to Real-World Scenarios 	
8	Course Outcomes: Upon successful completion of the course, students will be able to: <ol style="list-style-type: none"> 1. Analyse and interpret cash flow statements to assess a company's liquidity, operational efficiency, and financial stability. 2. Use profitability and ratio analysis techniques to evaluate a company's financial performance and compare it with industry benchmarks. 3. Prepare structured financial reports that effectively communicate key insights to stakeholders. 4. Assess company valuation and growth potential using P/B and P/E ratios, aiding in investment and strategic decision-making. 5. Apply financial analysis techniques in real-world business situations, including corporate finance, investment analysis, and risk assessment. 	

9 Modules: -

Module 1: Financial Analysis -Cash flow Statement

No. of Hours(15)

1. Introduction to Cash Flow

- Definition and significance of cash flow in financial management.
- Importance of liquidity and cash flow over profitability.

2. Structure of a Cash Flow Statement

- Components: Operating, Investing, and Financing Activities.
- Differences between the cash flow statement and the income statement.

3. Preparation of a Cash Flow Statement

- Preparation of Cash flow statement using Direct Method- Explanation, format and solved problems.
- Preparation of Cashflow statement using Indirect Method by adjusting net income to cash flow and solved problems.

Module 2: Financial Analysis- Analysis of profitability

(No. of Hours(15))

1. Understanding Profitability analysis

- Concepts- Profitability analysis
- Why Profitability analysis is conducted.
- Factors affecting Profitability
 - Internal factors: Cost management, pricing strategies, and operational efficiency.
 - External factors: Market conditions, competition, and regulatory impacts.
- Profitability in Different Business Scenarios
 - a. Comparing profitability across industries. (Solved problems)
 - b. Analysis of small businesses vs. large corporations

2. Vertical analysis of Profitability

- Income statement as a percentage of sales.
- Identifying cost drivers and their impact on profitability.

3. Horizontal Analysis of Profitability

- Trends in profitability over time. (Solved problems)
- Year-on-year comparisons and implications.

Module 3: Financial Analysis – Ratio analysis and Report writing

1. Ratio Analysis

Meaning, Objectives, importance & limitation of ratio analysis

2. Balance sheet ratios & Revenue statement ratios

Balance Sheet ratio

- Current Ratio
- Liquid Ratio
- Proprietary Ratio
- Debt equity Ratio
- Cap gearing Ratio

- Revenue statement ratio
- Gross profit Ratio
 - Net Profit Ratio
 - Operating profit Ratio
 - Stock turnover Ratio

3. Combined ratios

- Net worth Ratio
- Debtors turnover Ratio
- Creditors turnover Ratio
- Return on Equity share capital
- Return on Assets
- Earnings per share
- Price Earnings ration

Module 4 Growth, Sustainable Earnings: Evaluation of P/B Ratios and P/E Ratios (No. of Hours(15)

1. Sustainable Earnings

- Concept & Meaning of Sustainable earnings
- Importance of assessing risk and uncertainty.

2. Sensitivity and Scenario Analysis

- Conducting sensitivity analysis: Impact of changes in assumptions.

3. Evaluation of sustainable earnings

- Understanding P/B Ratios and P/E Ratios
- Evaluation of P/B Ratios and P/E Ratios (Solved problems)

10 Reference Books:

1. Basic Financial Management: M.Y. Khan and P.K. Jain, New Delhi, TMH 2000.
2. Financial Management: I.M. Pandey., Vikas Publishing House
3. Financial Management: Theory and Practices- Prasanna Chandra, McGraw Hill Education India
4. Financial Management: Khan and Jain. McGraw Hill Education India
5. Valuation measuring and managing the value of companies: Thomas Copeland-Wiley
6. Financial Management: Ravi Kishore, Taxmann
7. Financial Management Module, ICAI- Intermediate.
8. Corporate Accounting & Financial Management Module, ICSI- Executive
9. Financial Management & Data Analytics Module, ICMAI- Intermediate

11 Internal Continuous Assessment: 40%

**External, Semester End Examination 60%
Individual Passing in Internal and
External Examination**

12

Class Tests (Physical/ Online mode)
(Short notes/ MCQ's/ Match the Pairs/
Answer in one sentence)

QUESTION PAPER PATTERN

CONTINUOUS EVALUATION: INTERNAL (40 MARKS)

Q. No	Questions	Total
	Assessment/ Evaluation	40
1	Class Test during the lectures. (Physical/ Online mode) (Short notes/ MCQ's/ Match the Pairs/ Answer in one sentence/ Puzzles)	20
2	Case Studies: Assign real-world case studies for analysis. Assign tasks where students analyze and present a company's profitability trends. Or Group presentations analyzing profitability in selected companies, with each group focusing on a different sector and presenting their findings on selected companies within that sector. Or Participation in workshop/ Conference/Seminar/ Case Study/Field Visit/Certificate Course. (Physical/Online mode)	20

(**External**)

Format of Question Paper: for the final examination

Time: 2 hrs.

Total Marks: 60

Q. No	Questions	Total
Q1	a. b. (Practical/ Theory)	15
Q2	a. b. (Practical/ Theory)	15
Q3	a. b. (Practical/ Theory)	15
Q4	a. b. (Practical/ Theory)	15

Q5	a. b. (Practical/ Theory)	15
Q6	a. b. (Practical/ Theory)	15

Note

Questions may be set from any module

Equal weightage is to be given to all the modules.

Sem. - IV

Syllabus
B.Com. (Business Management)
(Sem.- IV)

Title of Paper Fundamentals of Business and Financial Analysis -III

Sr. No.	Heading	Particulars
1	<p>Description the course :</p> <p>Including but Not limited to :</p>	<p>Introduction: This course provides an in-depth understanding of key financial concepts essential for decision-making in business and financial management. It covers crucial topics such as the cost of capital, marginal costing, break-even analysis, financial modelling for project appraisal, and working capital management. By integrating theoretical concepts with practical applications, the course equips students with analytical skills necessary for financial assessment and planning.</p> <p>Relevance: In today's dynamic business environment, financial decision-making plays a pivotal role in determining organizational success. The concepts of cost of capital, marginal costing, and financial modelling are fundamental to evaluating financial performance, investment opportunities, and strategic business planning. This course aligns with modern financial practices and is essential for students aspiring to enter corporate finance, investment analysis, and financial consultancy.</p> <p>Usefulness: The course provides practical knowledge to:</p> <ul style="list-style-type: none"> • Analyse the cost of capital and make informed investment decisions. • Utilize marginal costing techniques to assess profitability. • Apply financial models for project appraisal and capital budgeting. • Manage working capital efficiently to ensure financial stability and growth. <p>Application: The course applies to various business functions such as financial management, investment decision-making, cost control, and project evaluation. It helps students develop skills in:</p> <ul style="list-style-type: none"> • Estimating and analysing the cost of capital. • Conducting break-even analysis for business profitability. • Developing financial models for evaluating project

feasibility.

- Efficiently managing working capital to optimize cash flow.

Interest: Students with an interest in finance, business strategy, investment analysis, and corporate decision-making will find this course highly engaging. It offers real-world applications and problem-solving opportunities that enhance financial acumen and strategic thinking.

Connection with other courses: This course complements subjects such as Financial Analysis, Corporate Finance, Investment Analysis, Managerial Accounting, and Strategic Financial Management. It provides a strong foundation for advanced financial courses, making it an essential part of the finance curriculum.

Demand in the Industry: The demand for professionals with expertise in financial modeling, cost management, and capital planning is consistently high across industries. Organizations seek individuals who can analyze financial data, assess risks, and make strategic financial decisions.

Job prospects: Upon completion of this course, students can explore various career opportunities, including:

- Financial Analyst
- Investment Banker
- Corporate Finance Manager
- Risk Analyst
- Management Accountant
- Business Consultant
- Project Finance Analyst

2 **Vertical :**

Minor

3 **Type :**

Theory

4 **Credit:**

4 credits (1 credit = 15 Hours for in a semester)

5 **Hours Allotted :**

60 Hours

6 **Marks Allotted:**

100 Marks

7	Course Objectives: <ol style="list-style-type: none"> 1. To Understand the concept of cost of capital and its significance in financial decision-making. 2. Assess the role of cost of capital in investment appraisal and capital structure decisions. 3. Identify cost behavior patterns and their implications for financial planning 	
8	Course Outcomes: <ol style="list-style-type: none"> 1. Apply cost of capital concepts to real-world financial scenarios, including project evaluation and strategic planning. 2. Make informed recommendations for optimizing a firm's capital structure based on cost considerations 3. Evaluate short-term decision-making scenarios such as pricing, make-or-buy, and product mix using marginal costing. 4. Perform margin of safety and profit-volume ratio analysis to evaluate business performance. 5. Learn to build financial models for evaluating the viability of projects. 	
9	Modules: -	
	Module 1: Cost of Capital	No. of Hours (15)
	<ol style="list-style-type: none"> 1. Meaning, utility of cost of capital & components of cost of capital 2. Weighted average cost of capital 3. Risk Return Analysis (Solved problems on Cost of Capital) 	
	Module 2 Marginal costing and Break-Even Analysis	(No. of Hours(15))
	<ol style="list-style-type: none"> 1. Cost-Volume Profit Analysis 2. Application of Marginal costing 3. Break-Even Analysis (Solved problems on Marginal costing)	
	Module 3 Financial Modelling for Project Appraisal	(No. of Hours(15))
	<ol style="list-style-type: none"> 1. 1 Project Appraisal <ul style="list-style-type: none"> • Meaning & Purpose of Project Appraisal • Key components: Technical, economic, and financial feasibility. • Role of financial modelling in project appraisal 2. Essential Financial Concepts for Modelling -I <ul style="list-style-type: none"> • Time value of money (TVM). • Discounted cash flow (DCF) methodology • Solved problems 3. Essential Financial Concepts for Modelling -II 	

- Net Present Value (NPV) (Solved problems)
- Payback period and profitability index. (Solved problems)

Module 4 Module 4: Working Capital

(No. of Hours(15))

1. Working Capital

Meaning, Types of Working Capital, Factoring Affecting working capital

2. Quantum of working capital

Advantages of adequate working capital, Problems of inadequate working capital

Operating working cycle for a trading concern

Operating working cycle for a service concern

3. Estimating working capital

Format

Solved problems

10

Reference Books:

1. Basic Financial Management: M.Y. Khan and P.K. Jain, New Delhi, TMH 2000.
2. Financial Management: I.M. Pandey., Vikas Publishing House
3. Financial Management: Theory and Practices- Prasanna Chandra, McGraw Hill Education India
4. Financial Management: Khan and Jain. McGraw Hill Education India
5. Valuation measuring and managing the value of companies: Thomas Copeland-Wiley
6. Financial Management: Ravi Kishore, Taxmann
7. Financial Management Module, ICAI- Intermediate.
8. Corporate Accounting & Financial Management Module, ICSI- Executive
9. Financial Management & Data Analytics Module, ICMAI- Intermediate

11

Internal Continuous Assessment: 40%

**External, Semester End Examination
60% Individual Passing in Internal and
External Examination**

12

Continuous Evaluation through

Class Tests (Physical/ Online mode)
(Short notes/ MCQ's/ Match the Pairs/
Answer in one sentence)
(at least 3)

QUESTION PAPER PATTERN (External and Internal)

For 2 Credits paper of 50 Marks

PAPER PATTERN- EXTERNAL

Time: 1 hr

Total Marks: 30

Any 2 out of 3 Questions

Q.No	Questions	Total
Q1	a. b.	15
Q2	a. b.	15
Q3	a. b.	15

Note

- A) Questions can be set from any module
- B) Equal weightage is to be given to all the modules.

PAPER PATTERN- INTERNAL

	Assessment/ Evaluation	Marks
1	Class Test during the lectures. (Physical/ Online mode) (Short notes/ MCQ's/ Match the Pairs/ Answer in one sentence/ Puzzles)	10
2	Participation and paper presentation in Workshop/ Conference/Seminar, Assignment	5
3	field visit, case study, group discussion, presentation, Certificate Course	5

Continuous Evaluation: Internal (20 marks)

Sd/-
Sign of the BOS
Chairman
Dr. Megha Somani
Board of Studies in
Business
Management

Sd/-
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Offg. Associate Dean
Prin. Kishori Bhagat
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Associate Dean
Prof. Kavita Laghate
Faculty of Commerce
& Management

Sd/-
Sign of the
Offg. Dean
Prin. Ravindra
Bambardekar
Faculty of
Commerce &
Management

AC – 20/05/2025
Item No. – 6.18 (N) (2a) Sem. III

As Per NEP 2020

University of Mumbai



Syllabus for Basket of OE	
Faculty of Science	
Board of Studies in Computer Science	
UG Second Year Programme	
Semester	III
Title of Paper	Credits 2
I) Cyber & Digital Safety	2
From the Academic Year	2025 – 2026

Name of the Course: Cyber & Digital Safety

Sr. No.	Heading	Particulars
1	Description the course:	<p>Introduction:</p> <p>With the rapid rise in digital connectivity, individuals are increasingly vulnerable to online threats. This course introduces students to essential concepts of digital safety, privacy, and responsible online behavior. It provides practical knowledge to protect personal data, secure digital devices, and navigate the internet safely.</p> <p>Relevance:</p> <p>In today's digital age, everyone is a digital citizen. Whether you're a student, professional, or homemaker, digital safety is vital for safeguarding identity, finances, and mental well-being. This course addresses the urgent need to educate individuals in navigating online spaces securely.</p> <p>Usefulness:</p> <p>The course empowers learners with practical knowledge on how to stay safe online—be it managing privacy settings on social media, identifying phishing emails, or using strong passwords. These skills are useful in daily digital activities across personal, academic, and professional spaces.</p> <p>Application:</p> <p>Students can immediately apply the concepts learned—from using secure Wi-Fi and avoiding fake news to setting up two-factor authentication and protecting children's online experiences. It also helps in developing a safety-first approach to technology use.</p> <p>Interest:</p> <p>This course connects to the everyday digital life of learners—making it highly relatable. It explores topics like deepfakes, social media responsibility, digital detox, and cyberbullying, which resonate with students from all disciplines and age groups.</p> <p>Connection with Other Courses:</p> <p>While not technical, this course complements subjects in Media Studies, Psychology, Communication, Law, and even Business. It strengthens digital literacy, a valuable</p>

		<p>soft skill, and supports courses related to digital ethics, digital marketing, and online communication.</p> <p>Demand in the Industry:</p> <p>Digital awareness is considered a critical life skill by employers. Companies value employees who understand safe digital practices, especially in remote and hybrid work environments. With increasing data breaches and cybercrime, demand for digitally responsible professionals is rising.</p> <p>Job Prospects:</p> <p>Although not a technical specialization, this course adds weight to any resume by demonstrating digital literacy. It prepares students for roles in education, administration, customer service, journalism, HR, and more—where safe technology use is expected and respected.</p>
2	Vertical:	Open Elective
3	Type:	Theory
4	Credits:	2 credits
5	Hours Allotted:	30 hours
6	Marks Allotted:	50 Marks
7	<p>Course Objectives (CO):</p> <p>CO 1. To introduce the foundational concepts of cyber safety and digital privacy.</p> <p>CO 2. To create awareness of common online threats and best practices for digital hygiene.</p> <p>CO 3. To equip students with skills for safe usage of social media, devices, and the internet.</p> <p>CO 4. To develop a mindset for ethical digital behavior and responsible technology use.</p> <p>CO 5. To explore emerging cyber risks including AI, deepfakes, and the role of legislation.</p>	
8	<p>Course Outcomes (OC):</p> <p>After successful completion of this course, students would be able to -</p> <p>OC 1. Understand key concepts in cyber security and differentiate between threats and risks.</p> <p>OC 2. Apply safe browsing practices and protect their digital identity across platforms.</p> <p>OC 3. Identify and avoid common cyber scams, phishing attacks, and fake news.</p> <p>OC 4. Safeguard personal devices, use secure communication tools, and manage passwords.</p>	

	OC 5. Understand the ethical concerns and emerging trends in AI-driven cyber threats.
9	<p>Modules:</p> <p>Module 1: Fundamentals of Digital Safety & Online Behavior</p> <p>Introduction to Digital Safety and Cyber Security: What is Digital Safety?, Everyday importance of staying safe online, Cyber Security vs. Digital Safety, Ethical and responsible use of technology</p> <p>Common Online Threats and How to Avoid Them: Types of online threats: viruses, phishing, scams, Understanding social engineering and digital fraud, Case examples of real-world cyber attacks</p> <p>Safe Internet and Social Media Use: How to browse safely: HTTPS, safe websites, online shopping tips, Social media privacy settings, Digital identity and managing your online presence, Deepfakes and misinformation, Screen time, mental health, and digital well-being</p> <p>Online Safety for Children and Teenagers: Common risks for young users, Using parental controls and safe browsing tools, Identifying and addressing cyberbullying, Teaching children responsible internet use</p> <p>Module 2: Personal Device Security, Privacy & Emerging Trends</p> <p>Securing Devices and Networks: How to keep your phone and laptop safe, Safe use of public Wi-Fi and VPNs, Protecting smart devices (IoT) at home, Backing up your data securely</p> <p>Building Good Digital Habits (Cyber Hygiene): Creating strong passwords and using multi-factor authentication, Keeping software updated and avoiding unsafe downloads, Spotting fake news and online hoaxes</p> <p>Understanding Data Privacy: What is personal data and why it matters, Data protection laws in simple terms (like GDPR), Using privacy-friendly tools (browsers, search engines, messaging apps), What to do if a data breach happens</p> <p>Cyber Safety at Work and Emerging Technologies: Staying safe while working online or remotely, Secure email and workplace communication, How AI is used in cyber security – the good and the bad, Deepfakes, AI-based scams, and how to stay alert, Introduction to how blockchain can help in digital security</p>
10	<p>Text Books</p> <ol style="list-style-type: none"> 1. Security in the Cyber Age: An Introduction to Policy and Technology, John E. Savage, Derek S. Reveron, Cambridge University Press, 2023 2. Cyber Security and Personal Data Awareness: Leverage Personal Data safety in Cyber Threat environment, Selvaraj G, Notion Pres, 2024 3. Cyber and Digital Safety: Fundamentals and Best Practices, Maurya R K, SYBGEN Learning, 2025
11	<p>Reference Books</p> <ol style="list-style-type: none"> 1. Cyber Safety for Everyone: A comprehensive guide to online safety,

	JaagoTeens, BPB Publications, 3rd Edition, 2024 2. The Basics of Cyber Safety: Computer and Mobile Device Safety, John Sammons (Author), Michael Cross MD, Syngress, 2016 3. Cybersecurity for Everyone, David B. Skillicorn, Routledge, CRC Press, 2022 4. Cybersecurity for Dummies, Joseph Steinberg, Wiley, 2020																		
12	Internal Continuous Assessment: 40%	Semester End Examination: 60%																	
13	Continuous Evaluation through: Class Test on Module 1: 10 marks Class Test on Module 2: 10 marks <hr/> Average of 2 Class Tests: 10 marks Assignment on Module 1: 5 marks Assignment on Module 2: 5 marks <hr/> Total of 2 Assignments: 10 marks Total: 20 marks	Evaluation through: A Semester End Theory Examination of 1 hour duration for 30 marks as per the paper pattern given below. <hr/> Total: 30 marks																	
14	Format of Question Paper: Total Marks: 30 Duration: 1 Hour <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Question</th> <th style="width: 25%;">Based On</th> <th style="width: 25%;">Options</th> <th style="width: 25%;">Marks</th> </tr> </thead> <tbody> <tr> <td>Q. 1</td> <td>Module 1</td> <td><i>Any 2 out of 4</i></td> <td>10</td> </tr> <tr> <td>Q. 2</td> <td>Module 2</td> <td><i>Any 2 out of 4</i></td> <td>10</td> </tr> <tr> <td>Q. 3</td> <td>Module 1 & 2</td> <td><i>Any 2 out of 4</i></td> <td>10</td> </tr> </tbody> </table>			Question	Based On	Options	Marks	Q. 1	Module 1	<i>Any 2 out of 4</i>	10	Q. 2	Module 2	<i>Any 2 out of 4</i>	10	Q. 3	Module 1 & 2	<i>Any 2 out of 4</i>	10
Question	Based On	Options	Marks																
Q. 1	Module 1	<i>Any 2 out of 4</i>	10																
Q. 2	Module 2	<i>Any 2 out of 4</i>	10																
Q. 3	Module 1 & 2	<i>Any 2 out of 4</i>	10																

Name of the Course: Web Designing

Sr. No.	Heading	Particulars
1	Description the course:	<p>Introduction:</p> <p>This course offers a comprehensive exploration of web development, covering essential technologies such as HTML, CSS, JavaScript, and PHP. Students will gain practical skills and knowledge necessary to create dynamic and visually appealing websites.</p> <p>Relevance:</p> <p>In today's digital age, web development skills are in high demand across various industries. Understanding HTML, CSS, JavaScript, and PHP is crucial for anyone interested in pursuing a career in web development or related fields.</p> <p>Usefulness:</p> <p>The skills acquired in this course are highly transferable and applicable in a wide range of professional settings. Whether students aim to become web developers, designers, or entrepreneurs, proficiency in web development technologies is invaluable.</p> <p>Application:</p> <p>Students will learn to apply their knowledge of HTML, CSS, JavaScript, and PHP to develop interactive websites and web applications. Through hands-on projects and exercises, they will gain practical experience in building real-world solutions.</p> <p>Interest:</p> <p>The course content is designed to engage students with a passion for technology and creativity. From creating visually appealing designs to implementing dynamic functionality, students will find ample opportunities to explore and express their interests.</p> <p>Connection with Other Courses:</p> <p>This course serves as a foundation for further studies in web development and related disciplines. It complements other technology courses by providing essential skills and knowledge that can be applied across various domains.</p>

		<p>Demand in the Industry:</p> <p>The demand for skilled web developers continues to grow as businesses and organizations increasingly rely on their online presence. Graduates of this course will be well-equipped to meet this demand and contribute effectively in the industry.</p> <p>Job Prospects:</p> <p>Completion of this course opens up numerous job opportunities in web development, design, digital marketing, e-commerce, and more. With the skills acquired, students can pursue roles such as front-end developer, web designer, full-stack developer, or freelance web developer.</p>
2	Vertical:	Open Elective
3	Type:	Practical
4	Credits:	2 credits (1 credit = 30 Hours of Practical work in a semester)
5	Hours Allotted:	60 hours
6	Marks Allotted:	50 Marks
7	<p>Course Objectives (CO):</p> <p>CO 1. Familiarize students with core web development technologies such as HTML, CSS, JavaScript, and PHP.</p> <p>CO 2. Develop students' skills in creating structured and visually appealing web pages using HTML and CSS.</p> <p>CO 3. Enable students to add interactivity and dynamic behavior to web pages using JavaScript.</p> <p>CO 4. Introduce students to basic web design principles and best practices.</p> <p>CO 5. Provide practical experience through hands-on exercises and projects.</p>	
8	<p>Course Outcomes (OC):</p> <p>After successful completion of this course, students would be able to -</p> <p>OC 1. Demonstrate proficiency in HTML markup and CSS styling to create well-structured and visually appealing web pages.</p> <p>OC 2. Implement interactivity and dynamic behavior on web pages using JavaScript and PHP.</p> <p>OC 3. Apply basic web design principles to create user-friendly and aesthetically pleasing websites.</p> <p>OC 4. Analyze and solve problems related to web development, including troubleshooting code and debugging errors.</p> <p>OC 5. Develop basic web applications and prototypes using HTML, CSS, JavaScript, and PHP.</p> <p>OC 6. Collaborate effectively in a team environment on web development projects.</p>	

9	<p>Modules:</p> <p>Module 1: Basics of Web Development (HTML and CSS) (30 hours)</p> <hr/> <p>Understanding the Internet and World Wide Web:</p> <p>Introduction to the Internet and its applications. Overview of email, Telnet, FTP, e-commerce, and e-business. Basics of Internet infrastructure: ISPs, DNS, URLs, and HTTP.</p> <p>HTML5 Fundamentals:</p> <p>Basic Elements of HTML: Introduction to HTML tags for creating the structure of web pages.</p> <p>Formatting Text: Applying basic text formatting using HTML tags.</p> <p>Organizing Content: Using lists and headings to organize content.</p> <p>Creating Links: Making hyperlinks to connect web pages.</p> <p>HTML Tables: Structuring data using HTML tables for better presentation and organization.</p> <p>Working with Multimedia and Forms:</p> <p>Adding Images: Inserting images onto web pages and understanding image formats.</p> <p>Colors and Styling: Applying colors and basic styles to web elements.</p> <p>Forms and User Input: Creating interactive forms for user input and data submission.</p> <p>Styling with CSS</p> <p>Introduction to CSS: Understanding the role of Cascading Style Sheets in styling web pages.</p> <p>Selectors and Properties: Using CSS selectors and properties to style HTML elements.</p> <p>Background and Fonts: Applying background styles and working with fonts.</p> <p>Positioning Elements: Understanding CSS properties for positioning elements on a web page.</p> <hr/> <p>Module 2: JavaScript and Dynamic Web Content (30 hours)</p> <hr/> <p>JavaScript:</p> <p>Integrating JavaScript: Using JavaScript code within HTML documents for interactivity.</p> <p>Programming Basics: Understanding JavaScript variables, operators, and control flow.</p> <p>Functions and Events: Defining functions and handling events for user interaction.</p> <p>Working with Forms: Validating form data and handling user input with JavaScript.</p>
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	<p>Dynamic content with PHP</p> <p>Basics of Server-side Scripting: Understanding the role of PHP in server-side scripting.</p> <p>Variables and Data Types: Declaring variables, working with data types, and type coercion in PHP.</p> <p>Control Structures: Implementing conditional statements and loops in PHP scripts.</p> <p>Sessions and Cookies: Introduction to managing user sessions and using cookies for data storage.</p> <p>Working with Databases: Connecting to databases, executing SQL queries, and processing query results.</p>	
10	<p>Text Books</p> <ol style="list-style-type: none"> 1. HTML 5 Black Book, Covers CSS 3, JavaScript, XML, XHTML, AJAX, PHP and jQuery, 2ed, Dreamtech Press, 2016 2. Web Programming and Interactive Technologies, scriptDemics, StarEdu Solutions India, 2018 3. PHP: A Beginners Guide, Vikram Vaswani, TMH 	
11	<p>Reference Books</p> <ol style="list-style-type: none"> 1. HTML, XHTML, and CSS Bible Fifth Edition, Steven M. Schafer, WILEY, 2011 2. Learning PHP, MySQL, JavaScript, CSS & HTML5, Robin Nixon, O'Reilly, 2018 3. PHP, MySQL, JavaScript & HTML5 All-in-one for Dummies, Steve Suehring, Janet Valade Wiley, 2018 	
12	Internal Continuous Assessment: 40%	Semester End Examination: 60%
13	<p>Continuous Evaluation through:</p> <p>Class Test on Module 1: 10 marks</p> <p>Class Test on Module 2: 10 marks</p> <hr/> <p>Average of 2 Class Tests: 10 marks</p> <p>Assignment on Module 1: 5 marks</p> <p>Assignment on Module 2: 5 marks</p> <hr/> <p>Total of 2 Assignments: 10 marks</p> <p>Total: 20 marks</p>	<p>Evaluation through:</p> <p>A Semester End Theory Examination of 1 hour duration for 30 marks as per the paper pattern given below.</p> <hr/> <p>Total: 30 marks</p>

14	Format of Question Paper:			
	Total Marks: 30		Duration: 1 Hour	
	Question	Based On	Options	Marks
	Q. 1	Module 1	<i>Any 2 out of 4</i>	10
	Q. 2	Module 2	<i>Any 2 out of 4</i>	10
Q. 3	Module 1 & 2	<i>Any 2 out of 4</i>	10	

Sd/-

Sign of the BOS Chairman
Dr. Jyotshna Dongardive
 Ad-hoc BOS (Computer
 Science)

Sd/-

Sign of the Offg.
Associate Dean
Dr. Madhav R. Rajwade
 Faculty of Science & Technology

Sd/-

Sign of Offg. Dean
Prof. Shivram S. Garje
 Faculty of Science &
 Technology

AC – 20/05/2025
Item No. – 5.45 (N) Sem-III 2(a)

As Per NEP 2020

University of Mumbai



Syllabus for Marathi - AEC	
Board of Studies in Marathi	
UG Second Year Programme	
Semester	III
Title of Paper	लेखन कौशल्ये -२ (महाजालावरील लेखन)
Credits	2
From the Academic Year	2025-26

Syllabus
B.A. (Marathi AEC)
(Semester - III)

Title of Paper : लेखन कौशल्ये - २ (महाजालावरील लेखन)

Sr. No.	Heading	Particulars
1.	अभ्यासक्रमाचे वर्णन : (Description of the Course)	<p>राष्ट्रीय शैक्षणिक धोरण - २०२० विद्यार्थ्यांच्या सर्वांगीण विकासावर (Wholistic Development) भर देते. या धोरणात सर्वांगीण विकासाचा भाग म्हणून क्षमता वर्धन अभ्यासक्रम (Ability Enhancement Course) या स्तंभांतर्गत भाषिक कौशल्य अभ्यासक्रमाचा समावेश करण्यात आला आहे. कला, वाणिज्य व विज्ञान या विद्याशाखांमध्ये अध्ययन करणाऱ्या विद्यार्थ्यांना तिसऱ्या सत्रामध्ये 'आधुनिक भारतीय भाषां'चे अध्ययन अनिवार्य करण्यात आले आहे. सदर क्षमता वर्धन अभ्यासक्रमाचे स्वरूप प्रामुख्याने भाषाकेंद्री असावे, असेही राष्ट्रीय शैक्षणिक धोरणात नमूद करण्यात आले आहे. विद्यार्थ्यांना विविध प्रकारच्या भाषिक कौशल्यांचा तपशीलवार परिचय करून देणे, तसेच ती कौशल्ये आत्मसात करण्याची संधी विद्यार्थ्यांना उपलब्ध करून देणे, ही या अभ्यासक्रमाची महत्त्वाची उद्दिष्टे आहेत. ही उद्दिष्टे लक्षात घेऊन 'लेखन कौशल्ये - २ (महाजालावरील लेखन)' (श्रेयांकने २) या अभ्यासपत्रिकेची आखणी करण्यात आली आहे.</p> <p>आंतरमहाजाल हे एकविसाव्या शतकातील अत्यंत प्रभावी साधन आहे. जगभरातील संगणक एकमेकांशी जोडले जाऊन त्यांचे जाळे तयार झाले आहे. विविध सामाजिक माध्यमस्थळांवर स्वतःचे खाते (अकाउंट) तयार करणे आणि त्यावर मराठी भाषा व देवनागरी लिपीतून लिहिणे, ही समकालीन संपर्क व्यवहारातील आवश्यक बाब झाली आहे. यास अनुसरून आपल्या अभिव्यक्तीला व्यासपीठ मिळवून देणारी अनुदिनी (ब्लॉग) तयार करणे, विकिपीडियावर भोवतालातील भाषा, साहित्य, संस्कृतीशी निगडित माहितीपर व विश्लेषणात्मक नोंदी लिहिणे, सामाजिक माध्यमस्थळांवरील आपल्या खात्यावर सातत्याने अभ्यासपूर्ण लेखन करणे, स्वक्षमतेशी निगडित समाजगट / आभासी कट्टे (कम्युनिटी ग्रुप) तयार करणे, या बाबींसाठी आवश्यक सामाजिक माध्यमस्थळ साक्षरता आणि मराठी भाषा व देवनागरी लिपीतून लिहिण्याची क्षमता 'लेखन कौशल्ये - २ (महाजालावरील लेखन)' (श्रेयांकने २) या अभ्यासपत्रिकेच्या अध्ययनातून विद्यार्थ्यांमध्ये निर्माण होईल.</p>

2.	Vertical	Ability Enhancement Course
3.	Type	Theory
4.	Credit	2 Credits (1 Credit = 15 Hours for Theory or 30 Hours of Practical Work in a Semester)
5.	Hours Allotted	30 Hours (AEC या स्तंभांतर्गत शिकविल्या जाणाऱ्या अभ्यासपत्रिकांच्या कार्यभारासंबंधी मुंबई विद्यापीठाच्या दिनांक २३ जुलै, २०२४ च्या NO.AAMS_UGS/ICC/2024-25/19 या परिपत्रकाचा आधार घ्यावा.)
6.	Marks Allotted	50 Marks
7.	अभ्यासक्रम उद्दिष्टे (Course Objectives) : १. महाजालावरील लेखन कौशल्याचे स्वरूप समजावून सांगणे. २. महाजालावर प्रभावी लेखन करण्यासाठी आवश्यक असणाऱ्या तंत्रांचा परिचय करून देणे. ३. नेहमीच्या पठडीतील लेखन व महाजालावरील लेखन यांमधील साम्य-भेद स्पष्ट करणे. ४. विविध सामाजिक माध्यमस्थळांवर लेखन करण्यासाठी आवश्यक कौशल्ये व क्षमता विकसित करणे.	
8.	अभ्यासक्रम निष्पत्ती (Course Outcomes) : १. विद्यार्थ्यांना महाजालावरील लेखन कौशल्याचे स्वरूप समजेल. २. विद्यार्थ्यांना महाजालावर प्रभावी लेखन करण्यासाठी आवश्यक तंत्रांचा परिचय होईल. ३. विद्यार्थ्यांना नेहमीच्या पठडीतील लेखन व महाजालावरील लेखन यांमधील साम्य-भेद स्पष्ट होईल. ४. विद्यार्थ्यांमध्ये विविध सामाजिक माध्यमस्थळांवर लेखन करण्यासाठी आवश्यक कौशल्ये व क्षमता विकसित होतील.	
9.	अभ्यासघटक (Module) :	
	घटक - १ : सामाजिक माध्यमस्थळांवर मराठी भाषा व देवनागरीतून लेखन (भाग - १)	
	अ) अनुदिनी (ब्लॉग) लेखन आ) विकिपीडियावरील लेखन (६० मिनिटांच्या १५ तासिका, श्रेयांकन १) (सूचना : विद्यार्थ्यांमध्ये उपरोक्त सामाजिक माध्यमस्थळांवर लेखन करण्यासाठी आवश्यक कौशल्ये व क्षमता विकसित होतील या दृष्टीने शिक्षकांनी सराव करून घ्यावा.)	

घटक -२ : सामाजिक माध्यमस्थळांवर मराठी भाषा व देवनागरीतून लेखन (भाग - २)	
<p>अ) फेसबुक, इन्स्टाग्राम, एक्स यांवरील लेखन आ) समाज गट (कम्युनिटी ग्रुप), आभासी कट्टे यांवरील लेखन (६० मिनिटांच्या १५ तासिका, श्रेयांकन-१)</p> <p>(सूचना : विद्यार्थ्यांमध्ये उपरोक्त सामाजिक माध्यमस्थळांवर लेखन करण्यासाठी आवश्यक कौशल्ये व क्षमता विकसित होतील या दृष्टीने शिक्षकांनी सराव करून घ्यावा.)</p>	
10.	पाठ्य ग्रंथ (Text books) : N. A.
11.	<p>संदर्भ ग्रंथ (Reference Books) :</p> <p>१. मराठी व्याकरण आणि लेखन, विनायक गंधे व मीरा जोशी, निराली प्रकाशन, पुणे, २०१२. २. उपयोजित मराठी, (संपा.) केतकी मोडक व अन्य, पद्मगंधा प्रकाशन, पुणे, २०१२. ३. मराठी भाषिक कौशल्य विकास, (संपा.) पृथ्वीराज तौर, अथर्व पब्लिकेशन्स, धुळे, २०१८. ४. व्यावहारिक मराठी, ल. रा. नसिराबादकर, भाषा विकास संशोधन संस्था, कोल्हापूर, २०२३. ५. <i>Aayushi International Interdisciplinary Research Journal</i> (ISSN 2349-638x) Peer Reviewed Journal www.aiirjournal.com</p>
12.	<p>Internal Continuous Assessment : 40%</p> <p>External, Semester End Examination : 60% Individual Passing in Internal and External Examination</p>
13.	<p>अंतर्गत सातत्यपूर्ण मूल्यांकन (Internal Continuous Assessment) : २० गुण</p> <p>अंतर्गत मूल्यांकनाचे स्वरूप (Format of Internal Assessment) :</p> <p>चाचणी परीक्षा / मौखिक परीक्षा / प्रकल्पलेखन / नियतकार्य (Assignment) / सादरीकरण / प्रश्नमंजूषा यांपैकी कोणत्याही पद्धतींचा अवलंब करून अंतर्गत मूल्यमापन करता येईल. (प्रत्यक्ष उपस्थिती किंवा ऑनलाईन)</p>

14. बहिरगत परीक्षा (External Examination) : ३० गुण (वेळ : एक तास)

बहिरगत परीक्षेच्या प्रश्नपत्रिकेचे स्वरूप (Format of Question Paper) :

१. प्रत्येकी १५ गुणांचे एकूण तीन प्रश्न विचारावेत. त्यांपैकी विद्यार्थ्यांनी कोणतेही दोन प्रश्न सोडवावेत.
२. पहिले दोन प्रश्न दीर्घोत्तरी स्वरूपाचे असावेत. दोन्ही घटकांवर आधारित १५ गुणांचे अंतर्गत पर्याय असलेले दोन प्रश्न विचारावेत.
३. तिसरा प्रश्न हा घटक क्रमांक एक व दोनवर आधारित १५ गुणांचा वस्तुनिष्ठ स्वरूपाचा असावा. प्रत्येक घटकावर दहा याप्रमाणे एकूण वीस प्रश्न विचारावेत. विद्यार्थ्यांनी कोणतेही पंधरा प्रश्न सोडवावेत.

Sd /-

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Syllabus for Basket of AEC Vertical 5	
Faculty of- HUMANITIES	
Board of Studies in HINDI	
Second Year Programme	
Semester	III
Title of Paper	Credits
I) हिंदी भाषा : व्यावहारिक प्रयोग	2
From the Academic Year	2025-26

Title of Paper- हिंदी भाषा:व्यावहारिक प्रयोग

Sr. No.	Heading	Particulars
1	Description of the course:	भाषा का जीवन में सदैव महत्व रहा है। जीवन और भाषा का चोली-दामन का संबंध है। जब हमारी भाषा मधुर और सार्थक होती है तो श्रोता पर विशिष्ट प्रभाव पड़ता है। भाषा का यदि सही और सार्थक रूप से प्रयोग किया जाए तो मनुष्य जीवन में कहीं भी असफल नहीं हो सकता है। इसी भाषा के माध्यम से हम सभी को अपनी ओर आकर्षित भी करते हैं। वर्तमान युग में रोजगार में बहुत से क्षेत्र भाषा से जुड़े हुए हैं, जिसके माध्यम से विद्यार्थी इनका लाभ ग्रहण कर सकते हैं। भाषाई क्षमता हमारे विचारों की संवाहक होती है। आज डिजिटल युग में अभिव्यक्ति के कई माध्यमों का प्रसार हुआ है, इन माध्यमों में भाषा ही सशक्त तत्व है जो आपकी अभिव्यक्ति को पूरे जगत को अवगत कराती है। भाषा का महत्व हर समय, हर माध्यम में रहा है, परंतु भाषा का सार्थक रूप का प्रयोग आज बहुत आवश्यक है। आज हिंदी अंतरराष्ट्रीय स्तर पर प्रयोग में लाई जा रही है, तकनीक, सूचना प्रौद्योगिकी सोशल मीडिया, राजनीति की भाषा हिंदी बन चुकी है। जीवन में कई क्षेत्रों में व्यावहारिक स्तर पर हमें अपनी भाषा के लिखित स्वरूप के कार्यों को करना होता है और ऐसे में कार्य-दक्षता महत्व रखती है। हिंदी भाषा में व्यावहारिक प्रयोग को केंद्र में रखकर और इन्हीं पहलुओं को ध्यान में रखते हुए इस पाठ्यक्रम का गठन किया गया है। हम हिंदी भाषा को सही और शुद्ध रूप में प्रयोग कर अभिव्यक्ति को सफल बनाएं और बिना व्याकरण के यह संभव नहीं है। इस दृष्टि से पाठ्यक्रम सर्वाधिक लाभकारी सिद्ध होगा।
2	Vertical:	AEC
3	Type:	Theory
4	Credit:	2 credits (1 credit = 15 Hours for Theory)
5	Hours Allotted:	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives:	1. विद्यार्थियों को राजभाषा हिंदी का विधिवत ज्ञान प्रदान करना।

	2. विद्यार्थियों को राजभाषा हिंदी के व्याकरण से परिचय करवाना। 3. विद्यार्थियों को संज्ञा आदि का ज्ञान प्रदान करना। 4. विद्यार्थियों को कारकों, वाक्य रचना एवं भाषिक चिह्नों आदि का ज्ञान प्रदान करना।	
8	Course Outcomes: 1. विद्यार्थियों को राजभाषा हिंदी का ज्ञान प्राप्त होगा, एवं दक्षता प्राप्त होगी। 2. विद्यार्थियों को राजभाषा हिंदी के व्याकरणिक प्रयोग की जानकारी प्राप्त होगी। 3. विद्यार्थियों को हिंदी-संज्ञा आदि का ज्ञान प्राप्त होने के साथ भाषा के शुद्ध, व्यावहारिक रूप का ज्ञान होगा। 4. विद्यार्थियों को कारकों, वाक्य रचना एवं भाषिक चिह्नों आदि का ज्ञान प्राप्त होगा।	
9	Modules (Per credit one module can be created)	
	इकाई-1	व्याख्यान-15
	क्रेडिट-01	
	1. हिंदी भाषा : सामान्य परिचय	
	2. राजभाषा हिंदी : संवैधानिक महत्त्व	
	3. वर्णमाला : स्वर एवं व्यंजन	
	4. शब्द भेद : सामान्य परिचय (संज्ञा आदि)	
	इकाई-2	व्याख्यान-15
	क्रेडिट-01	
	1. वाक्य : सामान्य परिचय	
	2. वर्तनी : शुद्धता का प्रयोग एवं सावधानियाँ	
	3. कारक एवं विराम चिह्न	
	4. पत्र लेखन : (बधाई, निमंत्रण, सुझाव, शिकायत, आभार, आवेदन, RTI लेखन)	
10	संदर्भ ग्रंथ- 1. बाबूराम सक्सेना- सामान्य भाषा विज्ञान, हिंदी साहित्य सम्मेलन, प्रयाग 2. कामताप्रसाद गुरु- हिंदी व्याकरण, लोकभारती प्रकाशन, इलाहाबाद 3. आचार्य देवेन्द्र नाथ शर्मा- भाषा विज्ञान की भूमिका, राधाकृष्ण प्रकाशन, दिल्ली 4. भाषा विज्ञान एवं भाषाशास्त्र- कपिलदेव द्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी 5. भोलानाथ तिवारी- भाषा विज्ञान, किताब महल, इलाहाबाद	
11	Internal Continuous Assessment : 40%	External : Semester End Examination : 60%
12	Continuous Evaluation through: <ul style="list-style-type: none"> ● रचनात्मक कार्य/प्रकल्प इत्यादि- 10 अंक ● प्रस्तुति/परिसंवाद सहभागिता इत्यादि- 05 अंक ● अकादमिक, व्यावसायिक एवं कौशल संवर्धन गतिविधियाँ- 05 अंक कुल 20 अंक	लिखित परीक्षा अंक : 30 समयावधि : 01 घंटा

13	Format of Question Paper: for the semester end examination अंक : 30	लिखित परीक्षा समयावधि : 01 घंटा
	निर्देश- 1. दोनों इकाइयों से प्रश्न पूछे जाएं। 2. तीन प्रश्न पूछे जाएं, किन्हीं दो प्रश्नों के उत्तर अपेक्षित हैं।	15x2 = 30 अंक कुलयोग- 30 अंक

Sd/-	Sd/-	Sd/-	Sd/-
Sign of the BOS Chairman Prof. Dr. Santosh Motwani Board of Studies in Hindi	Sign of the Offg. Associate Dean Dr. Suchitra Naik Faculty of Humanities	Sign of the Offg. Associate Dean Prof. Manisha Karne Faculty of Humanities	Sign of the Offg. Dean Prof. Anil Singh Faculty of Humanities

AC – 15/07/2025

Item No. – 5.3

As Per NEP 2020

University of Mumbai



Syllabus for Co- Curricular (CC)

Vertical - 6

Board of Studies in Extension Work	
UG Second Year Program – Co- Curricular Course	
Semester	III
Title of Paper	Extension Work
Credits	2
From the Academic Year	2025-26

Introduction

The National Education Policy (NEP) 2020 is a comprehensive framework introduced by the Government of India to revamp the country's education system. It has replaced the previous National Policy on Education, which has aim to ensure universal access to quality education from preschool to higher education, including vocational education. NEP 2020 emphasizes a more holistic, multidisciplinary, and flexible curriculum which lay emphasis on conceptual understanding rather than rote learning allowing students to choose subjects across disciplines without strict boundaries.

The National Education Policy (NEP) 2020 of India addresses the role of higher education institutions in fostering community engagement and extension work. It highlights the social responsibility of higher education institutions towards their communities. It encourages institutions to engage with local communities, address societal challenges, and contribute to sustainable development. The policy promotes the implementation of outreach programs by higher education institutions to disseminate knowledge, provide services, and support community development. These programs may include literacy campaigns, career development programs, social issues awareness programs, health and hygiene initiatives, skill development workshops, and technology-oriented activities. The policy suggests integrating extension work into the curriculum of higher education programs. This allows learners to gain practical experience, develop leadership skills, and contribute to community development while pursuing their studies. It recognizes incentives to encourage active engagement in community service and extension activities.

Overall, NEP 2020 recognizes the significant role of higher education institutions in promoting community engagement, social responsibility, and sustainable development through extension work. By integrating extension activities into their mission and operations, institutions can contribute to building inclusive and resilient societies.

Extension work in the context of education refers to the activities and programs conducted by educational institutions to engage with communities, address societal needs, and promote social development.

Aim of Extension Work under NEP:

- Extension work aims to identify and address the specific needs and challenges faced by communities. NEP 2020 encourages higher education institutions to engage with local

communities and contribute to their development by offering programs and services that address social needs, such as literacy programs, health awareness campaigns, and vocational training.

- Extension work aims to empower communities by providing them with the knowledge, skills, and resources they need to address their own requirements and improve their quality of life.

Key objectives of Extension Work under NEP:

- To ensure equal access to quality education and educational opportunities to aspirants.
- To support the government initiatives in achieving universal foundational literacy and numeracy as per sustainable development program.
- To organize remedial programs to address the learning breaches among the youth and provide unending education opportunities.
- To offer more holistic, multidisciplinary, and flexible curricular activities with an emphasis on conceptual understanding and personality development.
- To offer a wide range of activities & promote critical thinking, creativity, and innovation.
- To provide aspirants with multiple pathways for skill development and employment.
- To implement outreach programs to disseminate knowledge, provide services, and support community development.

Extension Work Activities:

Extension Work activities introduced by DLLE are a crucial aspect of the educational environment, offering multifaceted benefits that extend beyond academic learning. Many extension activities focus on social issues, sustainability, and environmental conservation. These activities educate the communities on sustainable practices which promote inclusivity and social justice. These activities focus especially on training women in various skills, including entrepreneurship and digital literacy through various vocational skill-oriented projects offered by the department. These activities have significantly contributed to skill development among community members, leading to improved employment opportunities and personality development. Learners participate in extension work activities as part of their curriculum, to gain practical experience and to contribute to community development. Thus, engaging in extension work fosters a sense of social responsibility and civic engagement among the learners and facilitators.

Given below are the activities / programs to be conducted by the colleges as a part of Extension Work as enlisted topics. The learner will focus on enlisted topics and participate in following activities during Semester III in this academic year.

ACTIVITIES FOR SEMESTER III = 2 Credits

Sr. No.	Unit	No. of Lectures
1.	<p><u>Organising & Participation in Training Session</u></p> <p>Every learner should attend the orientation / training session organised by their college for orientation of annual extension work program. Attendance is compulsory. In this session the learners will be oriented about the activities to be conducted during the semester followed by question-and-answer session. The learner must read resource material and guideline carefully and plan his / her activities for the semester during academic year.</p>	2 Lectures
2.	<p><u>Participation in Project /Activities</u> (as given below)</p> <p>In this session learners will be oriented about any 5 Topics selected by college (preferably which are not taken in Semester 1 and 2) for awareness under Extension Work. The college may select more than 5 topics if the enrolment of learners is more than 200. The learners will participate in activities based on these topics selected by college.)</p> <ol style="list-style-type: none"> 1. Election Literacy 2. Nasha Mukti 3. My Career. 4. Physical Education and Yoga. 5. Discipline and Civic Sense. 6. Sustainable Health Practices & Precautions. 7. Care for Senior Citizens 8. Palliative Care for patients. 9. Child Care 10. Stress Management 11. Positive Thinking. 	22 Lectures including guidance for practice session, preparations and actual conduct of program.

12. Communal Harmony
13. Book Reading Practices
14. Journalism and Media
15. Sustainable Natural Resources
16. Career Opportunities in NEP 2020
17. Indian Scientists and Their Contributions
18. Women Entrepreneurs & Leadership in India
19. Digital India and Technological Innovations
20. Stop Food Waste

Learners will be oriented and motivated to participate in minimum four activities given below based on above topics:

1. Seminar /conferences, discussion sessions, debate, rallies
2. Competitions (essay/creative writing, elocution, poster/ video/ rangoli making etc. – Minimum 2 competitions)
3. Extension Work group activities of other groups in the college.
4. Prepare your PPT, design your posters / charts.
5. Survey / short term academic courses / innovative programs.
6. Field visit / field work / case studies / developing innovative engineering models / projects
7. Participation in Street Plays
8. Event / hospitality / human resource management program /assignment
9. Novel formulation development (pharmacy),
10. Self-medication survey (pharmacy),

Learners are required to prepare short videos (duration 3-4 minutes) of the activity where the college will organize such competition.

The learners will be oriented about various career development opportunities in University of Mumbai, and schemes of student development by the Government.

Learners will be oriented and given an opportunity for:

- Script writing / Direction for street play.

	<ul style="list-style-type: none"> - Composing / Singing (Songs, Powada) - Playing Musical Instrument during the event. - Participation in various college and university level competitions. - Participate in Cultural Performance / Organising Committee for Festival / Programs / Event Management. 	
3	<p><u>Participation Video / Stage Performance / Assignment / Report Writing and submission</u></p> <ul style="list-style-type: none"> - Present your report / video during the college program. - All learners enrolled in Extension Work can make activity video or stage performance (3-4 minutes duration) creating awareness about any social issues / topics enlisted here followed by assignment / report writing as per format. - College will organise a program in the hall / classroom for all learners and give them an opportunity to present their assignment / report with PPT / video presentation followed by question answer session / test / interview by the college. 	6 Lectures including guidance for practice session, preparations and actual conduct of program.

Evaluation Pattern

Internal Assessment

Sr. No.	Assessment Criteria	Maximum Marks
1	Attendance, punctuality, completion of hours, participation in programs, presentations and feedback.	10
2	Proficiency in required skill sets, overall performance, submission of written report / assignments and expected development.	10
	Total	20 Marks

External Assessment

(Based on Extension Work guidelines and five enlisted topics chosen by the college.)

Question Paper Pattern

Time: 1.00 Hours

Total Marks 30

Instructions: 1. All questions are compulsory.

2. Figures to the right indicate maximum marks.

Q.1. Rewrite the following statement by choosing correct alternative given below. - 06 Marks
(6 statements. One mark each)

Q.2. Write short Notes On (Any Two out of Four) - 06 Marks

Q.3. Answer the following questions. (Any Three out of Five) - 18 Marks

References:

- Agricultural Extension: Principles and Methods" by "Ray V. Herren (2008)
- Agricultural Extension by G. S. R. Murthy (2010)
- Agricultural Extension in Developing Countries by R. W. Snapp (2012)
- 'Community Development: Theory and Practice' by Margaret Ledwith (2020)
- Extension Communication and Management by B. M. Panda (2016)
- Extension Education: Principles and Practice by Dahama and Bhatnagar (2017)
- Guidelines for Extension Work published by Department of Lifelong Learning and Extension, University of Mumbai.
- Introduction to Agricultural Extension by S. S. Acharya (2015)
- 'Innovation in India: Combining Economic Growth with Inclusive Development' edited by Sunil Mani and Henny Romijn.
- 'Participatory Extension Approaches for Sustainable Development' by Chambers and Guijt (2019)
- 'Rural Development and Extension Education' by Singh and Swanson (2018)
- 'Social Work and Community Development' by Pawar and Cox (2019)

Sd/-	Sd/-	Sd/-	Sd/-
Sign of the BOS Coordinator, Dr. Kunal Jadhav, Board of Studies in Extension work	Sign of the Offg. Associate Dean, Dr. Suchitra Naik Faculty of Humanities	Sign of the Offg. Associate Dean, Dr. Manisha Karne Faculty of Humanities	Sign of the Offg. Dean, Prof. Dr. Anil Singh Faculty of Humanities

AC – 20/05/2025

Item No. 8.47 (N) Sem III/IV 1(c)

As Per NEP 2020

University of Mumbai



Syllabus for CC

Ad- hoc Board of Studies in N.C.C./N.S.S./Sports Co-Curricular

UG First Year Programme - Co-Curricular Course

Semester	III & IV	
Title of Paper	Sem	Credits
Indian Theatre: Classical Roots and Contemporary Expressions	III	2
Integrated Theatre Production: Stage Craft, Costume, Music and Technology	IV	2
From the Academic Year		2025-26

Semester III As per NEP 2020

Indian Theatre: Classical Roots and Contemporary Expressions

Syllabus for Two Credits Programme

With effect from Academic Year 2025-2026

Aims and Objectives

- To understand the historical evolution of Indian theatre from Vedic to modern times.
- To analyze the core principles of Bharata's *Natyashastra* and their relevance in contemporary theatre.
- To examine major classical playwrights and evaluate the narrative and thematic aspects of their works.
- To explore and differentiate various streams of modern Indian theatre including commercial, experimental, and children's theatre.
- To develop a critical perspective on the sociopolitical role of street and one-act plays.
- To appreciate the interdisciplinary nature of performing arts by connecting theory with practical examples.

Learning Outcomes

The course will enable the learner to

- Describe the historical and cultural development of Indian theatre across different time periods.
- Interpret and apply the aesthetic principles from *Natyashastra* (such as Rasa and Abhinaya) in the analysis of theatrical performances.
- Critically evaluate classical Indian plays for their structure, themes, character development, and historical significance.
- Compare and contrast different forms of modern Indian theatre and assess their audience impact and staging methods.
- Demonstrate understanding of street theatre and one-act plays by creating outlines or performing excerpts reflecting real-world issues.
- Reflect on the role of performing arts in cultural preservation, education, and community engagement.

Modules at Glance

Semester III

Module No.	Unit	Content	No. of Hours
1	I	Indian Theatre: Historical Roots	07
	II	Bharata's <i>Natyashastra</i> and Theatrical Principles	08
2	III	Classical Playwrights and Dramatic Texts	07
	IV	Streams and Forms of Modern Indian Theatre	08
Total No. of Hours			30

Module No.	Unit	Content
1	I	<p>Indian Theatre: Historical Roots</p> <ul style="list-style-type: none"> History of Indian Drama, Origins: Historical development: From Vedic rituals to Sanskrit drama, medieval folk forms, colonial influences, and post-independence trends. Major periods: Ancient (Natyashastra era), Medieval (Bhakti and folk traditions), Modern (colonial and post-independence)
	II	<p>Bharata's <i>Natyashastra</i> and Theatrical Principles</p> <ul style="list-style-type: none"> In-depth analysis of <i>Natyashastra</i>, the foundational treatise on Indian dramaturgy Key concepts: <ul style="list-style-type: none"> Natyagriha (Ancient theatre architecture) Rasa Theory – the aesthetic experience and emotional flavors Bhava, Abhinaya, and their relevance in classical performance Influence of <i>Natyashastra</i> on later theatrical tradition
2	III	<p>Classical Playwrights and Dramatic Texts</p> <ul style="list-style-type: none"> Critical study of major classical dramatists and their works: <ul style="list-style-type: none"> Kalidasa – <i>Abhijnanasakuntalam</i>, <i>Malavikagnimitram</i> Bhasa, Sudraka, Bhavabhuti – Key themes and innovations. Analysis of plot structure, character portrayal, and cultural context in classical play.
	IV	<p>Streams and Forms of Modern Indian Theatre</p> <ul style="list-style-type: none"> Commercial Theatre: Characteristics, audience engagement, and production values Experimental Theatre: Alternative spaces, innovative storytelling, and non-linear narratives Amateur Theatre: Community participation, regional theatre groups, and resourceful staging Children's Theatre: Educational objectives, interactive methods, and imagination-centered content One-Act Plays: Structure, brevity, and intensity of narrative Street Theatre (Nukkad Natak): Origin, purpose, and

		socio-political engagement
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Scheme of Evaluation

The Scheme of Examination shall be of 50 marks. It will be divided into Internal Evaluation (20 marks) and Semester End Examination (30 Marks).

Semester III (50 Marks - 2 Credits)

Internal Evaluation (20 Marks)

Sr. No.	Particulars	Marks
1	Presentation OR Project OR Assignment	15
2	Participation in Workshop / Conference / Seminar (as decided by the Teacher) OR Participation in Online Workshop / Conference / Seminar (as decided by the Teacher) OR Field Visit OR Attendance	5

Semester End Examination (30 Marks)

Question No.	Particulars	Marks
1	Objective Type Questions (All Units)	06
2	Descriptive Question(s) on Unit I The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
3	Descriptive Question(s) on Unit II The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
4	Descriptive Question(s) on Unit III The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
5	Descriptive Question(s) on Unit IV The Question may be divided into sub questions: Attempt any 2 out of 4 (Each of 3 Marks)	06
Total		30

Reference Books

- *Ankur, D. R. (2021). Doosare Natyashastra ki Khoj (in Hindi). Vani Prakashan. ISBN: 978-9350004302.*
- *Bhatia, N. (Ed.). (2009). Modern Indian theatre: A reader. Oxford University Press.*
- *Brockett, O. G. (1991). History of the theatre (7th ed.). Allyn and Bacon.*
- *Brockett, O. G. (1987). Theatre: An introduction (5th ed.). Holt, Rinehart and Winston.*
- *Coulson, M. (Trans.). (2006). Plays of Kalidasa: Theatre of memory. Penguin Books.*
- *Dinkar, R. S. (1966). Sanskriti ke chaar adhyay (in Hindi). Udayachal. ISBN: 9788185341052.*
- *Dikshit, S. N. (2009). Bharat aur Bhartiya Natyakala (in Hindi). Rashtriya Sanskrit Sansthan.*
- *Fischer-Lichte, E. (2008). The transformative power of performance: A new aesthetics. Routledge.*
- *Fischer-Lichte, E., & Majumdar, R. (Eds.). (2010). Theatres of India: A concise companion. Oxford University Press.*
- *Gargi, B. (1991). Indian theatre. National Book Trust.*
- *Ghosh, M. (Trans.). (1951). The Natyashastra of Bharatamuni (Vol. I & II). Asiatic Society of Bengal.*
- *Goswamy, B. N. (2004). The theory of rasa in Sanskrit drama. [Publisher not listed].*
- *Karnad, G. (1995). Three modern Indian plays: Tughlaq, Hayavadana, Nagamandala. Oxford University Press.*
- *Mason, D. (Ed.). (2006). Performance traditions in India. Oxford University Press.*
- *Mathur, J. C. (2006). Paramparasheel natya (in Hindi). National School of Drama. ISBN-13: 9788181970756.*
- *Macdonell, A. A. (1900). A history of Sanskrit literature. D. Appleton and Company.*
- *Ranganathacharya, A. (1971). Indian drama. Sahitya Akademi.*
- *Shukla, B. (2009). Natyashastra (in Hindi). Chaukhamba Sanskrit Sansthan. ISBN: 978-81-208-2248-1.*
- *Sircar, B. (2009). Three plays: Evam Indrajit, Pagla Ghoda, and Bhoma. Oxford University Press.*
- *Solomon, R. H. (2004). New directions in Indian theatre. Seagull Books.*
- *Tendulkar, V. (2004). Collected plays in translation (Vol. 1). Oxford University Press.*
- *Tanvir, H. (2007). Charandas Chor and other plays. Seagull Books.*
- *Vatsyayan, K. (1980). Traditional Indian theatre: Multiple streams. National Book Trust.*
- *Vatsyayan, K. (1996). Indian poetics and Natyashastra. [Publisher not listed].*
- *Varadpande, M. L. (1987). A history of Indian theatre (Vols. 1–3). Abhinav Publications.*
- *Wales, H. W. (2010). Bharat ka pracheen natak: Vishwa sahitya aur theatre ke liye mulyon ka adhyayan (in Hindi). Motilal Banarsidass Publishing House. ISBN: 978-8120824522.*
- *Wilson, E., & Alvin, G. (2001). Theatre: The lively art (6th ed.). McGraw-Hill.*

As Per NEP 2020

University of Mumbai



Syllabus for CC

Ad- hoc Board of Studies in N.C.C./N.S.S./Sports Co-Curricular

UG First Year Programme – National Service Course

Semester	III & IV	
Title of Paper	Sem	Credits
Study of Indian Social Reformers	III	2
Youth and Disaster Management	IV	2
From the Academic Year		2025-26

UNIVERSITY OF MUMBAI

Semester III

(w.e.f. June, 2025)

Sub: - NSS- Study of Indian Social Reformers

Credits: 02

Lectures: 30

Marks:50

Unit Number	SEMESTER 3 Title of the Unit	No. of Lecture	No. of Credits
1	History of Social work in India	15	1
	Social Reformers: Definition, concept and Nature		
	History of Indian Social Reformers		
	Characteristics Indian Social Reformers - Pre-Post Independence		
	Skills for NSS volunteers:		
	Soft Skills for NSS Volunteers – Communication skills, Public speaking skills, Body Language, Content writing, Resume writing.		
	Life Skills – problem solving, Empathy, coping with emotions, self- Awareness and inter personal skills.		
2	Contributions of Social Reformers	15	1
	• Mahatma Gandhi		
	• Swami Vivekanand		
	• Sant Gadge Baba		
	• Mahatma Jyotiba Phule		
	• Rajshri Shahu Maharaj		
	• Baba Amte		
• RajaRam Mohan Roy			

References –

- 1) Fadake G. D., (Sampadak) – Mahatma FuleSamagraWangmaya.
- 2) Salunkhe P.B., (Sampadak) – Mahatma FuleGouravGranth.
- 3) NarkeHari,(Sampadak) -Mahatma Fule :ShodhachyaNavyaWata.
- 4) Bhosale S. S., (Sampadak) –KrantiSukte: RajarshiChhatrapatiShahu
- 5) PawarJaysingrao, (Sampadak) –RajarshiShahuSmarakGranth
- 6) Dr. BabasahebAmbedkarlekhaanaaniBhashanekhand 18, Bhag –1,2,3.
- 7) ToksalePrajecta -VyavysaikSamajkarya

- 8) Dr. V.C. Dande : National Service Scheme Review
- 9) Joshi V.N.-BhartiyTatvdnyanachabruhadItihas, Khand10
- 10) YadiIndumati -BharatratnaShendgeDipak (Anuwad) -MadarTeressa.
- 11) Marathi Vishwakosh, Khanda12.
- 12) Bhagat R.T. - Swami VivekanandTeAcharyaVinoba.
- 13) ShethPurushottam, KhambeteJayashri, Mane ShailajaRashtriyaSevaYojna
- 14) MishrAnupam - AajBhikharehaiTalab(Hindi)
- 15) ThotePurushottam–SamajkaryachiMultatve
- 16) Bhide G.L.,MaharashtratilSamajSudharanechaItihaas

AC – 20/05/2025

Item No. – 8.47 (N) Sem III& IV 1(b)

As Per NEP 2020

University of Mumbai



Syllabus for CC

Ad- hoc Board of Studies in N.C.C./N.S.S./Sports Co-Curricular

UG First Year Programme – CC- Sports

Semester	III & IV	
Title of Paper	Sem	Credits
Introduction to Sports Training & Tests and Measurement	III	2
Advanced Sports Training and Performance Evaluation	IV	2
From the Academic Year		2025-26

**Course (Optional): Introduction to Sports, Physical Literacy, Health & Fitness and
Yog**

CBCS (Choice Based Credit System)

Second Year- Semester III

Course Structure

Semester	Paper	Title of Paper	No of lecture (Theory)	Internal Evaluation (IE)	End Semester Evaluation	Total Marks	Credits
Third	CC	Introduction to Sports Training & Tests and Measurement	30	20	30	50	02
Total	-	-	30	20	30	50	02

UNIVERSITY OF MUMBAI

Semester III

(w.e.f. June, 2025)

Sub:- Introduction to Sports Training & Tests and Measurement

Preamble:

Sports play a vital role in fostering physical fitness, mental resilience, and holistic well-being. Understanding the intricacies of sports training and the science of test and measurement is essential for optimizing athletic performance and personal growth. Sports training encompasses systematic methods to enhance physical capabilities, skill development, and strategic planning, while test and measurement provide the tools to evaluate fitness levels, track progress, and refine training protocols. Together, these disciplines empower individuals to achieve their full potential, making them indispensable components of modern sports science and athletic excellence.

Aims and Objectives

Sports Training

- To understand the foundation and principles of sports training.
- To study various training methods and their applications.
- To explore the process of designing personalized and professional training plans.
- To analyze the role of training in achieving peak performance.

Tests and Measurement in Sports

- To understand the significance of test and measurement in sports.
- To learn about various types of tests and their applications.
- To comprehend the criteria for good testing and measurement methods.
- To explore the use of test and measurement data for performance analysis and improvement.

Learning Outcomes

Sports Training

The course will enable the learner to:

- Understand and apply the principles of sports training.
- Identify and differentiate between various training methods.
- Develop effective exercise plans and training schedules.
- Evaluate the impact of training on performance enhancement.

Tests and Measurement in Sports

The course will enable the learner to:

- Identify and explain the importance of test and measurement in sports.
- Apply various skill, fitness, and psychological tests.
- Evaluate test results to assess fitness and performance levels.
- Utilize test data to design targeted training and rehabilitation programs

UNIVERSITY OF MUMBAI

Semester – III

(w.e.f. June, 2025)

Sub:- Introduction to Sports Training & Tests and Measurement

Credits: 02

Lectures: 30

Marks:50

Module No.	Unit No	Title of the Unit	No. of Lectures	No. of Credits
1	I	<i>Introduction to Sports Training</i> Meaning, Definition, and Components/Elements of Sports Training <ul style="list-style-type: none">• Meaning• Definition• Components/Elements	2	1
	II	Principles of Sport Training <ul style="list-style-type: none">• FITT Principle (Frequency, Intensity, Time, Type)• Specificity• Progression• Overload• Reversibility• Tedium	5	
	III	Types of Training Methods <ul style="list-style-type: none">• Interval Training• Fartlek Training• Continuous Training• Weight Training• Circuit Training• Plyometric Training• Flexibility Training	5	
	IV	Basic Guidelines for Designing Exercise Plans and Training Schedules <ul style="list-style-type: none">• Current Health Status• Medical History• Level of Fitness• Training Load• Periodisation• Holistic/Integrated Approach• Person-Centred Approach• Training Intensity	3	
		Total	15	1

Sub:- Introduction to Sports Training & Tests and Measurement

Credits: 02

Lectures: 30

Marks:50

Module No.	Unit No	Title of the Unit	No. of Lectures	No. of Credits
2		<i>Test and Measurement in Sports</i>		
	I	Meaning and Importance of Test and Measurement in Sports <ul style="list-style-type: none"> • Meaning & Importance 	1	
	II	Criteria of a Good Test <ul style="list-style-type: none"> • Validity • Reliability • Objectivity • Feasibility 	2	
	III	Types of Tests Skill Tests <ul style="list-style-type: none"> • Wall Volley Test • Basketball Free Throw Test • Badminton Short Serve Test Fitness Tests <ul style="list-style-type: none"> • Cooper's 12-Minute Run/Walk Test • Sit and Reach Flexibility Test • Push-Up Test Psychological Tests <ul style="list-style-type: none"> • Sport Motivation Scale (SMS) • Competitive State Anxiety Inventory (CSAI-2) • Mental Toughness Questionnaire (MTQ) 	6	1
	IV	Methods of Measurement <ul style="list-style-type: none"> • Anthropometric Measurements • Motor Fitness Measurements • Physiological Measurements 	3	
V	Applications of Test and Measurement in Sports Talent Identification <ul style="list-style-type: none"> • Performance Analysis • Designing Training Programs • Injury Prevention and Rehabilitation 	3		
		Total	15	1

Scheme of Evaluation -

The Scheme of Examination shall be of 50 marks. It will be divided into Internal Evaluation

(20 marks) and Semester End Examination (30 Marks).

Semester III (50 Marks - 2 Credits)**Internal Evaluation (20 Marks)**

Sr. No.	Particulars	Marks
1	Presentation OR Project OR Assignment	15
2	Participation in Workshop / Conference / Seminar / Fitness or Sports Activity (as decided by the Sports Incharge) OR Participation in Online Workshop / Conference / Seminar / Fitness or Sports related course (as decided by the Sports Incharge) OR Field Visit / Sports Events OR Attendance of Sports Practice Sessions	5

Semester End Examination (30 Marks)

Question No.	Particulars	Marks
1 to 30	Objective Type Questions (All Units) Each question will carry one mark	30
Total		30

References –

1. "Science and Practice of Strength Training" - Vladimir M. Zatsiorsky and William J. Kraemer
2. "Essentials of Strength Training and Conditioning" - National Strength and Conditioning Association (NSCA)
3. "Principles and Practice of Resistance Training" - Michael H. Stone, Meg Stone, and William A. Sands
4. "Periodization Training for Sports" - Tudor O. Bompa and Carlo A. Buzzichelli
5. "High-Performance Training for Sports" - David Joyce and Daniel Lewindon
6. "Tests and Measurements in Sports and Physical Education" - Dr. A.K. Uppal and Dr. G.P. Gautam
7. "Measurement by the Physical Educator: Why and How" - David K. Miller and Harold M. Barrow
8. "Kinanthropometry and Exercise Physiology Laboratory Manual" - Roger Eston and Thomas Reilly
9. "Evaluation of Human Work" - John R. Wilson and NIGEL CORLETT
10. "Advanced Fitness Assessment and Exercise Prescription" - Vivian H. Heyward and Ann L. Gibson