BUNTS SANGHA'S

S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES

WORK DIARY

2019-2020

Work Diary

Subject : Accountancy & Financial Management

Date	Class & Time	Subject Taught	Topics Covered	Signature
	9.10 - 10.00 FYB.COM B 11.10 - 12.00 FYB.COM A	Financial A/cs Financial A/cs	Hire Purchase system - Instalment excludes interest cash Price and rate of interest given	
3/10/19 (Thu)	7.30 - 8.20 TYBAF 8.20 - 9.10 TYBAF 9.10 - 10.00 FYB.COM A	Cost A/cs Cost A/cs Financial A/cs	Computation of cost driver rates, cost of the batch, statement of factory cost of each product under Activity Based Costing Problems on Hire purchase system	
4/10/19 (Fri)	7.30 - 8.20 FYB.COM A 8.20 - 9.10 FYB.COM B	Financial A/cs Financial A/cs	Problems on Hire purchase system - Asset A/c, Vendor A/c Interest A/c, depreciation calculation and interest calculation	
	DECLARATION :		I hereby declare that I have completed the syllabus of all the	

Co-ordinator

Principal

Work Diary

Subject : Accountancy & Financial Management

Date	Class & Time	Subject Taught	Topics Covered	Signature
			Courses allotted to me. 1) FYB.COM (A & B) - Cost Accounting 2) TYBAF - Cost Accounting 3) FYB.COM (A & B) - Financial Accounting 5/10/2019	24/10/2019

Co-ordinator

Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Work Diary

Subject: Cost & Financial Management

Date	Class & Time	Subject Taught	Topics Covered	Signature
7/3/2020 (Sat)	7.30-8.20 FyB.Com A 8.20-9.10 FyB.Com B	Financial A/cs Financial A/cs	Preparation of trading A/c. Memorandum Trading A/c & fire insurance claim	

10/3/2020.

DECLARATION: I hereby declare that, I have completed the syllabus of all the courses allotted to me.

1) FyB.Com A & B - Cost Accounting
2) FyB.Com A & B - Financial Accounting

16/3/2020.

Co-ordinator

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SM SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

Subject :

Work Diary

Ashish N. 19-20. T.1

Date	Class & Time	Subject Taught	Topics Covered	Signature
01.10.19	FYBMS A+B 7.30 - 9.10	Introduction to financial A/c	Accounting In computerised Environment	[signature]
03.10.19	FYBMS A+B 7.20 - 8.20	Introduction to financial A/c	IFRS, IAS, Schedule VI of the Companies Act - format.	[signature]
04.10.19	FYBCOM A+B 10.20 - 11.10	Commerce - II	Revision, distribution of Preliminary Exam, Papers.	[signature]
			I hereby declare that I have completed all the subjects alloted to me as follows:- FYBMS A & B - Introduction to financial Accounts FYBCOM A+B - Commerce - I SYBMS - B - Corporate finance SYBAF - Financial Marketing operation.	[signature]

Principal

Co-ordinator

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Ashish N 19-20 T-2

Date	Class & Time	Subject Taught	Topics Covered	Signature
	TYBMS 8.20 - 9.10	Project Mgmt	Paper solving	
	TYBAF 9.10 - 10.00	Cost Acty	Sales Budget, Production Budget, Purchase Budget	[signature]
	10.30 - 12.00	Prelim Exam	Supervision	[signature]
13.3.20	T.Y.BAF 9.10 - 10.00	Cost Accounting	Revision	[signature]
	I hereby declare that I have completed the syllabus for the following subjects			[signature]
		FYBMS A & B -	Business Environment	[signature]
		FYBCOM A & B -	Commerce II	16/3/2020
		TYBAF -	Cost Accounting	
		TYBMS B	Project Management	
	hence forth Revision, Quizzes and Assignments have been conducted in Online mode		[signature]	

[signature] Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Subject : Law

Work Diary

Adv Harish K T1 19-20.

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes SYB Com A & B : Business Law I FYBMS A & B : Business Law SYBAF : Business Law 2 SYBBI : Foundation Course Overview of Banking (course)	

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Subject :

Work Diary

Adv. Hamid K. 19-20. T

Date	Class & Time	Subject Taught	Topics Covered	Signature
	10:20-11:10 FYBMS A	Industrial Law	Rate of Gratuity / Forfeiture / Disputes as to Gratuity	16/3/2020

I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes

SYBCom A & B

Business Law II

FYBMS A & B

Industrial Law

SYBAF : Business Law 3

SYBBI : Corporate & Securities Law

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SHANTI SWAROOP SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
03/10			I hereby declare that I have completed the syllabus of the subjects allotted me for Term I of AY 2019-20. 1. TYBMS- Ecommerce & Digital Marketing. 2. TYBCOM- Commerce -V (Marketing 3. SYBMS- Business Planning & Entrepreneurial Management 4. FYBMS- Foundation of Human Skills (Unit 1 & 2)	

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SWAMI VIVEKANAND EDUCATIONAL SOCIETY'S SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Subject :

Work Diary

Staff S. 19-20 - TR

Date	Class & Time	Subject Taught	Topics Covered	Signature
	11.10-12.00 FYBMS B	PDM	Organisational Theory, Revision.	
12/03	7.30 - 9.00		Conference work.	
	10.30-12.00		Prelims supervision	
	1-15-2.30pm		Staff Meeting.	
13/03	9.10-10.00 TYBMS A	RM.	Revision lecture.	
	12 - ~~10~~ 1.30.		For TYBMS. Project guidance, International Conference work	
14/03	8.00 - 11.00		TYBMS Project guidance	

I hereby declared that I have completed syllabus of
FYBMS - Principles of Management
SYBMS - Ethics & Governance FC
TYBMS - Retail Management
TYBCOM - Commerce VI
Also Online Quizes & Revision lectures were conducted for SY classes.
Further, E-work diary was ~~maintained~~ maintained.

16/3/2020.

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SMT. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject : _____ C A Zainab R 19-20 T1

Date	Class & Time	Subject Taught	Topics Covered	Signature
03-10-19	TYBAF 10:20 - 11:10	FA VI	Valuation of Shares	
	TYBAF 11:10 - 12:00	FA VI	Valuation of Shares	
			I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes.	
			SYBCOM A & B - Accountancy & financial management III	
			SYBMS A & B - Accounting for Managerial decisions	
			TYBMS B - Risk Management	
			TYBAF - Financial Accounting VI	Raywala 03/10/19

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Work Diary

Subject : C.A. Zainab R 19-20 T2

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes SYBCom (A) & (B) - Accountancy & financial Management III SYBMS (A) & (B) - Foundation course (Ethics & Governance) SYBMS (B) Financial Institutions & Markets TYBMS (B) International Finance & Strategic Financial Management	

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Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
11/3/2020	F4 BMS (B) 8:20 - 9:10	~~Foundation~~ C.	Revision.	Prachi
	F4 BMS (A) 9:10 - 10	F.C.	PPT + Revision	
	S4 BMS (A) 10:20 - 11:10	Event M.	Revision	
	I HEREBY DECLARE	THAT I HAVE COMPLETED THE SYLLABUS OF.		
		TY BCOM - EXPORT MARKETING TY BMS - BRAND MANAGEMENT SY BMS - EVENT MARKETING FY BMS - FOUNDATION COURSE.		Prachi

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16/3/2020

SMT. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES STUDENTS WELFARE
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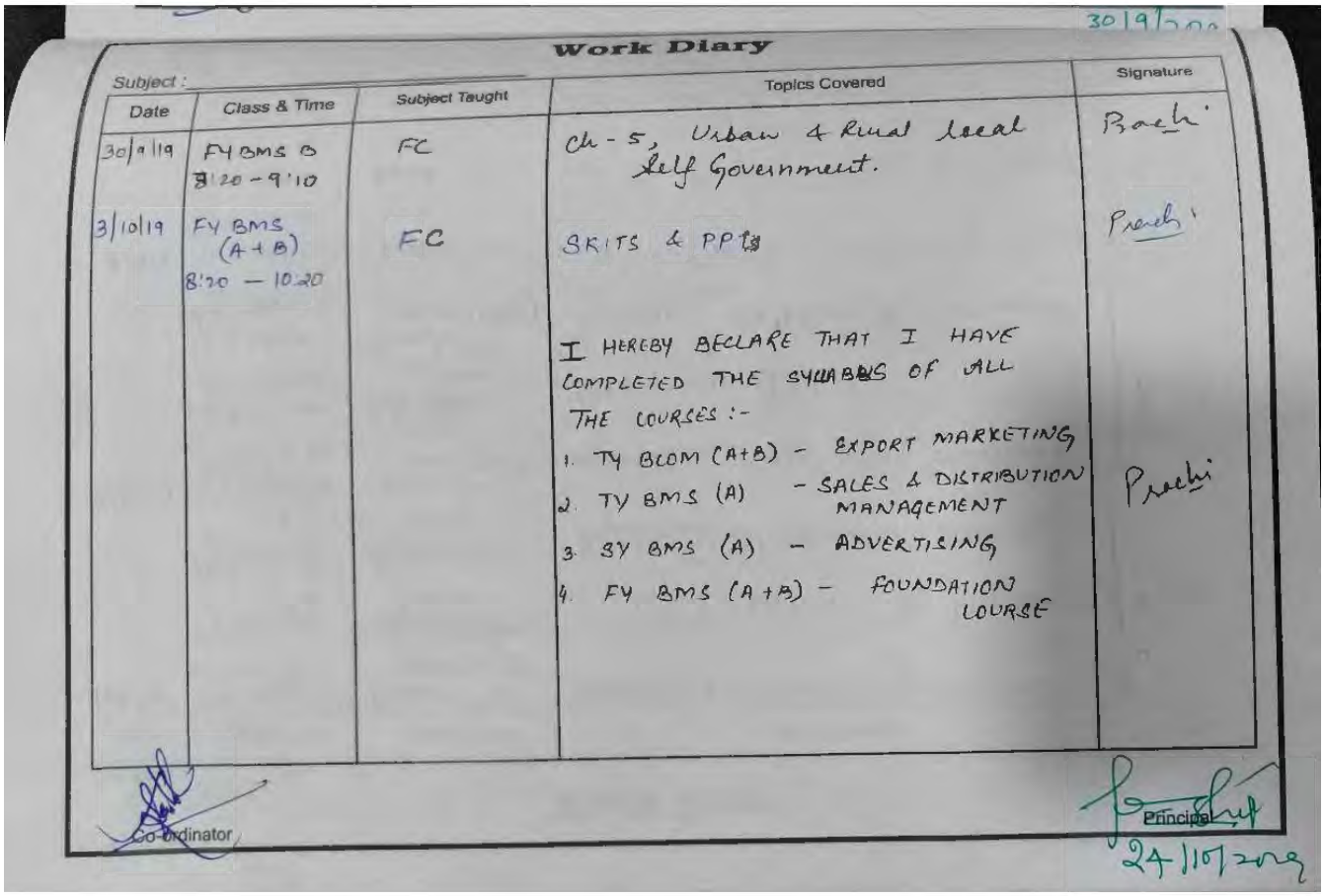


30/9/2019

Work Diary

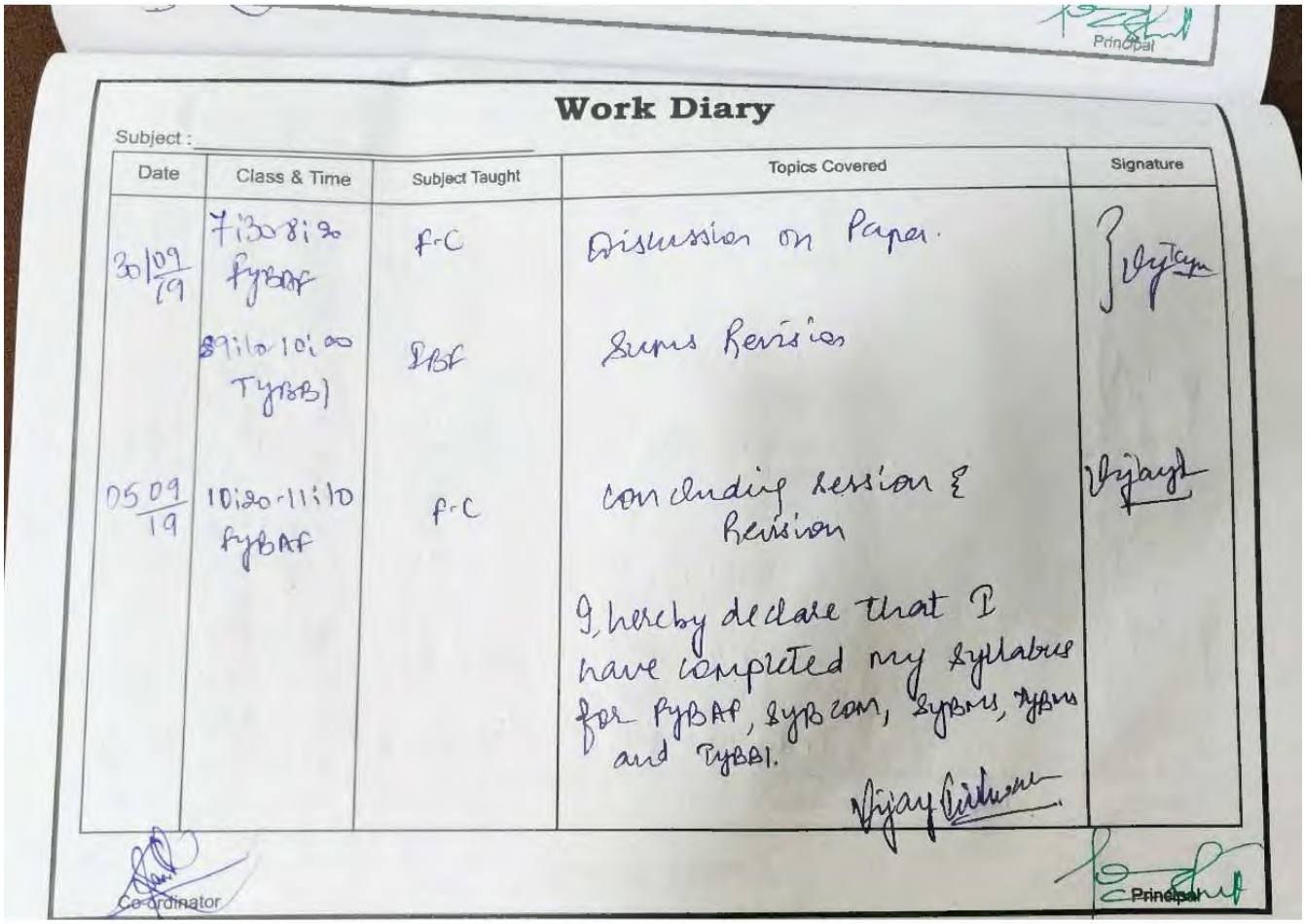
Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
30/9/19	FY BMS B 8:20 - 9:10	FC	Ch - 5, Urban & Rural local Self Government.	Prachi
3/10/19	FY BMS (A+B) 8:20 — 10:20	FC	SKITS & PPTs	Prachi
			I HEREBY DECLARE THAT I HAVE COMPLETED THE SYLLABUS OF ALL THE COURSES :- 1. TY BCOM (A+B) - EXPORT MARKETING 2. TY BMS (A) - SALES & DISTRIBUTION MANAGEMENT 3. SY BMS (A) - ADVERTISING 4. FY BMS (A+B) - FOUNDATION COURSE	Prachi

Co-ordinator

Principal

24/10/2019



Principal

Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
30/09/19	7:30-8:30 fyBAF	F.C	Discussion on Paper.	
	9:10-10:00 TyBBI	BSF	Sums Revision	
05/09/19	10:20-11:10 fyBAF	F.C	Concluding Session & Revision	

I, hereby declare that I have completed my syllabus for FyBAF, SyBcom, SyBMS, TyBMS and TyBBI.

Vijay Kishan

Co-ordinator

Principal

SMT. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Work Diary

Subject : Information Technology-II

Date	Class & Time	Subject Taught	Topics Covered	Signature
12th Mar, 20	SYBMS-B 10:20-11:10am	IT-II	PPT on DSS, components, classification MIS v/s DSS, Question Bank	[signature]
	SYBMS-A 11:10-12:00am	IT-II	Presentations & Question Bank	
			I hereby declare that I have successfully completed my syllabus in the following classes:- TYBCOM:- Computer Systems & Applications-II (6 lectures) SYBBI :- Information Technology in Banking & Insurance-II (4 lecture) SYBAF :- Information Technology in Accountancy-II (4 lecture) SYBMS :- Information Technology in Management-II (4 lecture) [signature] 12/3/2020 [signature] 12/3/2020	

[signature] Co-ordinator

[signature] Principal

POWAI MUMBAI-76. BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES

Work Diary

Subject : INFORMATION TECHNOLOGY

Date	Class & Time	Subject Taught	Topics Covered	Signature
25/9/19	SYBBI 11:00-12:00	IT-I	Revision session, Paper pattern discussed.	
27/9/19	TYBCOM-A 7:30 – 9:10am	Computer Systems & Applications	Revision on MySQL, Previous year question discussed on MySQL	
			I hereby declare that I have successfully completed my syllabus in the following classes:- TYBCOM :- Computer Systems & Applications (6 lectures) SYBBI :- Information Technology in Banking & Insurance - I (4 lectures) SYBAF :- Information Technology in Accountancy - I (4 lectures) SYBMS :- Information technology in Management - I (4 lectures) 30/9/19	

Co-ordinator

Principal

30/9/2019

Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have completed the syllabus of the following subjects which are assigned to me : TYBCOM - Direct Tax (03 + 03) SYBcom - Commerce III (03+03) TYBAF - Indirect Tax (04) TYBMS - Customer Relationship Marketing (04). TYBBI - Research Methodology (02) 26/11/2019	

Co-ordinator

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BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
11/3/20	TYBBI [7.30-8.20]	Audit	Audit under computerised system.	
	TYBAF [8.20-9.10]	F.M	Factoring : Sum solved.	
	SYBAF [9.10-10.00] [10.20-11.10]	M.A.	Cash flow analysis : Sum solved.	
			I hereby declare that I have successfully completed the subjects allotted to me in the II term of academic year 2019-20.	12/3/20
			CLASS: SUB:	
			TYBAF — Financial Management (4)	
			TYBBI — Auditing (4)	
			SYBAF — Management Accounting (4)	
			SYBcom — Management Accounting (8)	20.

Co-ordinator

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SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES STUDENTS WELFARE
POWAI MUMBAI-76.

Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
25/9/19	S.Y. BBI [7.30-8.20] [10.20-11.00]	M.A	Bonus Shares & Stock Splits — Calculation of revised share capital.	
	T.Y. BAF [8.20-9.10]	F.M.	Credit Policy : Sum solved	
1/10/19	T.Y. BAF [9.10-10.00]	F.M.	Revision from 1-5 units.	30/9/2019.
			I hereby declare that I have succesfully completed the subjects alloted to me in the I term of academic year 2019-20. ~~Sub~~ CLASS: SUB: T.Y. BAF – Financial Management (4) T.Y. BBI – Auditing (4) S.Y. BBI – Financial management (4) S.Y. Bcom – Management Accounting (8)/20	1/10

Co-ordinator

Principal

24/10/2019

SIES SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES SIWS
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MUMBAI-76.

Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
		I hereby declare that I have completed the syllabus of TYBCOM – Advertising II. TYBMS – International Marketing SYBMS – Integrated Mkting communication. TYBBI – Turnaround Management PYBMS – Principles of Management		

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Teaching Learning Plan – Odd Semester – 2019-20

INTRODUCTION TO FINANCIAL ACCOUNTING

FYBMS – SEM 1

MONTH	LESSON PLAN
JULY	**Unit – I Introduction** Meaning and Scope of Accounting: Need and development, definition: Book-Keeping and accounting, Persons interested in accounting, Branches of accounting, Objectives of accounting • Accounting principles: Introductions to Concepts and conventions. •Introduction to Accounting Standards: Meaning and Scope) AS 1 : Disclosure to Accounting Policies, AS 6: Depreciation Accounting, AS 9: Revenue Recognition, AS 10: Accounting For Fixed Assets • International Financial Reporting Standards (IFRS): Introduction to IFRS IAS-1:Presenttion of Financial Statements (Introductory Knowledge) IAS-2:Inventories (Introductory Knowledge) • Accounting in Computerized Environment: Introduction, Features and application in various areas of Accounting
AUGUST	**Unit – II Accounting Transactions • Accounting transactions:** • Accounting transactions: Accounting cycle, Journal, Journal proper, Opening and closing entries, Relationship between journal & ledger: Rules regarding posting: Trial balance: Subsidiary books (Purchase, Purchase Returns, Sales, Sales Returns & cash book –Triple Column), Bank Reconciliation Statement. • Expenditure: Classification of Expenditure- Capital, revenue and Deferred Revenue expenditure Unusual expenses: Effects of error: Criteria test. • Receipts: Capital receipt, Revenue receipt, distinction between capital receipts and revenue receipts. • Profit or Loss: Revenue profit or loss, capital profit or loss
SEPTEMBER	**Unit – III Depreciation Accounting & Trial Balance** Depreciation accounting: Practical problem based on depreciation using SLM and RBM methods. (Where Provision for depreciation Account not maintained). • Preparation of Trial Balance: Introduction and Preparation of Trial Balance
OCTOBER	**Unit – IV Final Accounts** Introduction to Final Accounts of a Sole proprietor. • Rectification of errors. • Manufacturing Account, Trading Account, Profit and Loss Account and Balance Sheet. • Preparation and presentation of Final Accounts in horizontal format • Introduction to Schedule 6 of Companies Act, 1956.

COURSE OUTCOME

- Students will understand the concepts of Accounting, Accounting Principles and Accounting Standards.
- Learn Accounting procedure, Rules for recording transactions in Journal and Ledger.
- Learn the methods of Depreciation Accounting methods.
- Learn preparation of Trial balance and Final Accounts.

TEACHER

COORDINATOR

PRINCIP

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
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Teaching Learning Plan – Odd Semester – 2019-2020

F.Y.B.M.S
BUSINESS LAW - SEM - 1

	Modules / units	Teaching Methodology
JULY	Contract Act, 1872 & Sale of Goods Act, 1930 • Contract Act,1872: Essential elements of Contract; Agreement and Contract – Capacity to Contract, free consent, consideration, lawful objects/ consideration, Breach of contract. Remedies for breach of Contract. • Sale of Goods Act, 1930: Scope of Act, Sale and Agreement to sell, essential of a valid Sale Contract – Conditions and warranties – Implied Condition and warranties, Rights of an unpaid seller.	Text Book Case Study Discussions in class
AUGUST	Negotiable Instrument Act, 1981 & Consumer Protection Act, 1986 • Negotiable Instrument Act,1981: Introduction of Negotiable Instruments – Characteristics of negotiable instruments, Promissory note, Bills of exchange, Cheque, Dishonour of Cheque. • Consumer Protection Act, 1986: Objects of Consumer Protection- Introduction of Consumers, who is consumer? Meaning of the words "Goods and services" – Meaning of the words "Defects and Deficiencies of goods and services" Consumer disputes and Complaints.	Text Book Case Study Discussions in class
SEPTEMBER	Company Law • Company Law: What is company? – Incorporation of company – MOA, AOA, Prospectus, Meetings, Meaning of transfer and transmission of shares. Intellectual Property Rights (IPR) • Intellectual Property Rights (IPR) IPR definition/ objectives Patent definition. What is patentable? What is not patentable? Invention And its Attributes, Inventors and Applications	Text Book Case Study Discussions in class
OCTOBER	Trademarks, definition, types of trademarks, infringement and passing off. Copy right definition and subject in which copy right exists, Originality, Meaning and Content, Authors and Owners, Rights and Restrictions. Geographical indications (only short notes)	Text Book Case Study Discussions in class

COURSE OUTCOME

Upon successful completion of Business Law I, the student will be able to:

- Demonstrate an understanding of the Legal Environment of Business.
- Identify the fundamental legal principles behind contractual agreements.
- Apply basic legal knowledge to business transactions.
- Communicate effectively using standard business and legal terminology.
- The relevance of business law to individuals and businesses and the role of law in an economic, political and social context.

Teacher Co-ordinator Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
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S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI.

TEACHING-LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

SEMESTER I

SUBJECT: FOUNDATION OF HUMAN SKILLS

COURSE: BMS CLASS: FIRST YEAR

Course Outcome: After studying the topics given below the students will understand Human Nature, Group Behavior, Organizational Culture and Motivation at workplace, Organizational Change, Creativity and Development, and Work Stress.

MONTH	TEACHING-LEARNING PLAN (Unit I, II and III)
July	• **Individual Behavior:** Concept of a man, individual differences, factors affecting individual differences, Influence of environment • **Personality and attitude:** Determinants of personality, Personality traits theory, Big five model, locus of control, Machiavellianism, introversion-extroversion achievement orientation , self – esteem, risk taking, self-monitoring, Personality Types, Concept of JOHARI WINDOWS, Attitude-Nature, Components, Functions, Reading emotions.
August	• **Thinking, learning and perceptions:** Thinking skills, thinking styles and thinking hat, Managerial skills and development, Learning characteristics, Theories of learning, Intelligence, Perception features and factors influencing individual perception, perceptual error. • **Introduction to Group Behavior** **Group Dynamics:** Nature, types, group behavior model **Team effectiveness:** nature, types of teams, ways of forming an effective team. Setting goals.
September	• **Organizational processes and system.** **Power and politics:** nature, bases of power, politics nature, types, causes of organizational politics, political games. **Organizational conflicts and resolution**: Conflict features, types, causes, levels, conflict resolution strategies.
October	• Revision *Case studies as applicable. Teaching Methodology: Power Point Presentation, Class Discussion and Newspaper Articles Discussion

Teacher Coordinator Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES POWAI MUMBAI-76.

FOUNDATION OF HUMAN SKILLS

FYBMS (SEM 1)

MONTH	LESSON PLAN
JULY	**Motivation at workplace:** Concept, features, importance of motivation, Theories of motivation in an organisational set up: A.Maslow Need Heirachy, F. Hertzberg Dual Factor, Mc.Gregor theory X and theory Y. Ways of motivating through carrot (positive reinforcement) and stick (negative reinforcement) at workplace. **Organizational Culture:** Characteristics of organizational culture, Types, functions and barriers of organizational culture, Ways of creating and maintaining effective organization culture
AUGUST	**Organisational Development and work stress:** Need for organisational development, OD Techniques, Stress, types of stress, Causes and consequences of job stress, Ways for coping up with job stress **Organisational change and creativity:** Concepts of organisational change, Factors leading/influencing organisational change, Kurt Lewins model of organisational change and development,
SEPTEMBER	**Organisational change and creativity:** Creativity and qualities of a creative person, Ways of enhancing creativity for effective decision making, Creative problem solving. **Organizational processes and system.** **Power and politics:** nature, bases of power, politics nature, types, causes of organizational politics, political games.
OCTOBER	**Organizational conflicts and resolution:** Conflict features, types, causes leading to organizational conflicts, levels of conflicts, ways to resolve conflicts through five conflicts resolution strategies with outcomes.

COURSE OUTCOME

FYBMS – SEMESTER I: FOUNDATION OF HUMAN SKILLS (UNIT III & IV)

1. It helps in developing the conceptual knowledge of motivation and it gives an insight of how the employees in an organization can be motivated based on the modern theories.
2. It provides elementary knowledge about creativity in decision making and organizational changes process.
3. It guides the students by providing information about human psychology at individual and group level

TEACHER COORDINATOR PRINCIPAL

SMT. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

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INDUSTRIAL LAW

(F.Y.BMS – SEM II) AY 2019-20

MONTH	LESSON PLAN
NOVEMBER	**Law related to Industrial Relation and Industrial Disputes** The Trade Unions Act, 1926
DECEMBER	• **Laws Related to Health, Safety and Welfare** • The Factory Act 1948: (Provisions related to Health, Safety and Welfare) • The Workmen's Compensation Act, 1923 Provisions: Introduction: The doctrine of assumed risk, The doctrine of Common Employment, The doctrine of Contributory Negligence Definitions, Employers liability for compensation (S-3 to 13) • Rules as to Compensation (Sec 4 to Sec 9) (14 A & 17)
JANUARY	**Law related to Industrial Relation and Industrial Disputes** Industrial Disputes Act, 1947 (Definitions, authorities award and settlement, strikes, lockouts, layoffs, retrenchment and closure)
FEBRUARY	• **Social Legislation** • Employee State Insurance Act 1948 • Definition and Employees Provident Fund • Miscellaneous Provision Act 1948: Schemes, Administration and determination of dues
MARCH	• **Laws related to Compensation Management** • i) The Payment of Wages Act, 1948 (Objectives, Definitions authorized deductions) • ii) The minimum Wages Act, 1948 • iii) The Payment of Gratuity Act, 1972

COURSE OUTCOME

- Understand the law related to industrial relation and industrial dispute
- Develop an understanding towards law related to health, safety and welfare.
- Learn the basic concepts of Employees State Insurance Act and Misc Provisions Act.
- Understand the laws related to compensation management.

Teacher Coordinator Principal

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TEACHING-LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

SEMESTER II

SUBJECT: PRINCIPLES OF MANGEMENT

COURSE: BMS CLASS: FIRST YEAR

Course Outcome: After studying this subject students will learn the elements and functions of Managementsuch as planning, decision making, organizing, directing and leadershipfor the overall Management of an entity.

MONTH	TEACHING-LEARNING PLAN (Unit I and III)
NOVEMBER	• Management: Concept, Significance, Role & Skills, • Levels of Management • Management as Arts, Science, Profession(CLASS DISCUSSION) • Concepts of PODSCORB, Managerial Grid
DECEMBER	• Evolution of Management thoughts • Contribution of F.W Taylor, Henri Fayol and Contingency Approach
JANUARY	• Planning: Meaning, Importance, Elements, Process, Limitations (CLASS DISCUSSION) • Management by Objectives • Decision Making: Meaning, Importance, Process
FEBRUARY	• Techniques of Decision Making • Organizing: Concepts, Structure (Formal & Informal, Line & Staff and Matrix), Meaning, Advantages and Limitations • Departmentation: Meaning, Basis and Significance
MARCH	• Span of Control: Meaning, Graicunas Theory, Factors affecting span of ControlCentralization vs Decentralization • Delegation: Authority & Responsibility relationship • Revision *Case studies as applicable

The teaching methodology used is through Power Point Presentation.

TEACHER'S SIGNATURE COORDINATOR'S SIGNATURE PRINCIPAL'S SIGNATURE

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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MUMBAI-76.

LESSON PLAN FOR EVEN SEMESTER 2019-20

PRINCIPLES OF MARKETING

FYBMS (SEM 2)

Nov	**Introduction to Marketing:** Definition, features, advantages and scope of marketing. The 4P's **(Class Activity)** and 4C's of marketing. Marketing v/s Selling. Marketing as an activity and function. **Concepts of Marketing:** Needs, wants and demands, transactions, transfer and exchanges. **Orientations of a firm:** Production concept; Product concept; selling concept and marketing concept, social relationship, Holistic marketing.
Dec	**The micro environment of business:** Management structure; Marketing Channels; Markets in which a firm operates; competitors and stakeholders. **Macro environment:** Political Factors; Economic Factors; Socio Cultural Factors , Technological Factors (PEST Analysis) **Marketing research:** Meaning, features, Importance of marketing research. Types of marketing research; Product research; Sales research; consumer/customer research; production research **MIS:** Meaning, features and Importance **Consumer Behaviour:** Meaning, feature, importance, factors affecting Consumer Behaviour **[Students presentation on Marketing Strategies of leading companies]**
Jan	**Marketing mix:** Meaning –elements of Marketing Mix. **Product**-product mix-product line lifecycle-product planning – New product development- failure of new product-levels of product. **Branding** –Packing and packaging – role and importance **Pricing** – objectives- factors influencing pricing policy and Pricing strategy. **Physical distribution** – meaning – factor affecting channel selection-types of marketing channels **Promotion** – meaning and significance of promotion. Promotion tools (brief) **[Capsule Activity – Mark My Product]**
Feb	Segmentation – meaning , importance , basis. Targeting – meaning , types. Positioning – meaning – strategies, New trends in marketing – E-marketing , Internet marketing and marketing using Social network, Social marketing/ Relationship marketing
Mar	**Revision sessions.**

Course Outcome:

- The Course helps in developing basic understanding of Marketing
- Basic Marketing concepts are introduced to the students
- Different functions and activities under the scope of Marketing are discussed
- Students are provided with opportunities of relating the marketing initiatives of industries with the one they study in the subject.

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Teaching Learning Plan – Even Semester – 2019-20

BUSINESS ENVIRONMENT
(F.Y.B.M.S – SEM 2)

MONTH	LESSON PLAN
December	**Unit I Introduction to Business Environment** **Business:** Meaning, Definition, Nature & Scope, Types of Business Organizations **Business Environment:** Meaning, Characteristics, Scope and Significance, Components of Business Environment **Micro and Macro Environment:** Definition, Differentiation, Analysis of Business Environment, SWOT Analysis. **Introduction to Micro-Environment:** Internal Environment: Value system, Mission, Objectives, Organizational Structure, Organizational Resources, Company Image, Brand Equity External **Environment:** Firm, customers, suppliers, distributors, Competitors, Society **Introduction to Macro Components:** Demographic, Natural, Political, Social, Cultural, Economic, Technological, International and Legal)
January	**Unit II Political and Legal environment** Political Institutions: Legislature, Executive, Judiciary, Role of government in Business, Legal framework in India. Economic environment: economic system and economic policies, Concept of Capitalism, Socialism and Mixed Economy Impact of business on Private sector, Public sector and Joint sector Sun-rise sectors of India Economy. Challenges of Indian economy. **Unit III Social and Cultural Environment, Technological environment and Competitive Environment** **Social and Cultural Environment:** Nature, Impact of foreign culture on Business, Traditional Values and its Impact, Social Audit - Meaning and Importance of Corporate Governance and Social Responsibility of Business
February	**Unit III Social and Cultural Environment, Technological environment and Competitive Environment** **Technological environment:** Features, impact of technology on Business **Competitive Environment:** Meaning, Michael Porter's Five Forces Analysis, Competitive Strategies **Unit IV International Environment** International Environment – **GATT/ WTO:** Objective and Evolution of GATT, Uruguay round, GATT v/s WTO, Functions of WTO, Pros and Cons of WTO. **Globalization:** Meaning, Nature and stages of Globalization, features of Globalization, Foreign Market entry strategies, LPG model.
March	**Unit IV International Environment** **MNCs:** Definition, meaning, merits, demerits, MNCs in India **FDI:** Meaning, FDI concepts and functions, Need for FDI in developing countries, Factors influencing FDI, FDI operations in India.

COURSE OUTCOME

- **Understand the concept and components of business environment and importance of its analysis.**
- **Learn the concept of Political Environment and its impact on Business.**
- **Understand the Social and Cultural Environment and its impact on business.**
- **Get insight of technical environment and competitive environment of business.**
- **Know about International Environment of Business.**

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FOUNDATION COURSE (ENVIRONMENTAL MANAGEMENT) – SYBMS (SEM III)

MONTH	SYLLABUS
June	Unit 1 - Environmental Concepts: • Environment: Definition and composition, Lithosphere, Atmosphere, Hydrosphere, Biosphere • Biogeochemical cycles - Concept and water cycle • Ecosystem & Ecology; Food chain, food web & Energy flow pyramid • Resources: Meaning, classification(Renewable & non-renewable), types & Exploitation of Natural resources in sustainable manner. Unit 2 - Environment degradation • Degradation-Meaning and causes, degradation of land, forest and agricultural land and its remedies.
July	Unit 2 – Environment degradation • Pollution – meaning, types, causes and remedies (land, air, water and others). Global warming: meaning, causes and effects. • Disaster Management: meaning, disaster management cycle. • Waste Management: Definition and types -solid waste management anthropogenic waste, e-waste & biomedical waste (consumerism as a cause of waste). Unit 3 - Sustainability and role of business • Sustainability: Definition, importance and Environment Conservation. • Environmental clearance for establishing and operating Industries in India.
August	Unit 3 - Sustainability and role of business EIA. Environmental auditing, ISO 14001 • Salient features of Water Act, Air Act and Wildlife Protection Act. • Carbon bank & Kyoto protocol. Unit 4 - Innovations in business- an environmental perspective Non-Conventional energy sources- Wind, Bio-fuel, Solar, Tidal and Nuclear Energy. Innovative Business Models: Eco-tourism.
September	Unit 4 - Innovations in business- an environmental perspective Green marketing, Organic farming, Ecofriendly packaging, Waste management projects for profits ,other business projects for greener future. Revision

COURSE OUTCOME

- Students will be able to acquire an awareness of the environment as a whole and its allied problems and sensitivity.
- Students will gain a variety of experiences and acquire knowledge to save the environment for future generations
- Students will acquire skills to understand environment and its various components, related issues and problems.

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Lesson Plan – Odd Semester – 2019-20

STRATEGIC MANAGEMENT

SYBMS (SEM 3)

MONTH	LESSON PLAN
June	Business Policy-Meaning, Nature, Importance. Strategy-Meaning, Definition. Strategic Management-Meaning, Definition, Importance, Strategic management. Process & Levels of Strategy and Concept and importance of Strategic Business Units (SBU's). Strategic Intent - Mission, Vision, Goals, Objective, Plans. Strategy Formulation- Environment Analysis and Scanning (SWOT) ***Practice Sessions on SWOT Analysis***
July	Corporate Level Strategy (Stability, Growth, Retrenchment, Integration and Internationalization). Business Level Strategy(Cost Leadership, Differentiation, Focus) Functional Level Strategy(R & D, HR, Finance, Marketing ,Production) ***Presentations on Strategies of Corporates***
August	Strategic Implementation Models of Strategy making. Strategic Analysis & Choices & Implementation : BCG Matrix, ***Activity on BCG – Portfolio*** ,GE 9 Cell, Porter 5 Forces, 7S Frame Work Implementation: Meaning, Steps and implementation at Project, Process, Structural, Behavioural, Functional level.
September	Strategic Evaluation & Control – Meaning, Steps of Evaluation & Techniques of Control Synergy : Concept , Types , evaluation of Synergy. Synergy as a Component of Strategy & its Relevance . Change Management – Elementary Concept
October	**Revision sessions.**

COURSE OUTCOME

SYBMS - SEMESTER 3: STRATEGIC MANAGEMENT

1. It introduces and develops basic understanding for Business Policies.
2. It develops an in depth knowledge for different levels of strategies, their formulation, implementation and evaluation and control.
3. It helps students understand the strategies adopted by successful organizations.

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TEACHING AND LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

PROGRAM : S.Y.B.M.S.- SEMESTER III

COURSE:- ACCOUNTING FOR MANAGERIAL DECISIONS

Month	Topics
June	Analysis and Interpretation of Financial statements-: 1. Study of balance sheet of limited companies schedule VI- (New.). Study of Manufacturing, Trading, Profit and Loss A/c of Limited Companies- Schedule VI (New) 2. Vertical Form of Balance Sheet and Profit& Loss A/c- Trend Analysis, Comparative Statement & Common Size.
July	Ratio analysis and Interpretation (based on vertical form of financial statements)including conventional and functional classification restricted to: 1. Balance sheet ratios: Current ratio, Liquid Ratio, Stock Working capital ratio, Proprietary ratio, Debt Equity Ratio, Capital Gearing Ratio. 2. Revenue statement ratios: Gross profit ratio, Expenses ratio, Operating ratio, Net profit ratio, Net Operating Profit Ratio, Stock turnover Ratio, Debtors Turnover , Creditors Turnover Ratio 3. Combined ratios: Return on capital Employed (including Long term borrowings), Return on Proprietors fund (Share holder fund and Preference Capital), Return on Equity Capital, Dividend Payout Ratio, Debt Service Ratio, 4. Different modes of expressing ratios:- Rate, Ratio, Percentage, Number. Limitations of the use of Ratios.
August	Preparation of cash flow statement (Accounting Standard-3(revised) Working capital-Concept, Estimation of requirements in case of Trading & Manufacturing Organizations
September	Receivables management- Meaning & Importance, Credit Policy Variables, methods of Credit Evaluation (Traditional and Numerical Credit Scoring); Monitoring the Debtors Techniques [DSO, Ageing Schedule]

Course outcome:- To familiarize the learners with the fundamental aspects of analysis and interpretation of financial statements. To introduce the basic concepts, functions, process, techniques of Ratio analysis, Receivables management and Working Capital Management as a tool of evaluation. To give a comprehensive overview of AS-3.

Teaching Methodology:- Practical problems and solutions, Case studies & Classroom discussion

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TEACHING-LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

SEMESTER III

SUBJECT:BUSINESS PLANNING AND ENTREPRENEURIAL MANAGEMENT

COURSE: BMS CLASS: SECOND YEAR

Course Outcome: This course introduces Entrepreneurship and Entrepreneurial skills to budding managers. After studying the topics given below the students will be exposed to the various responsibilities of a business operation.

MONTH	TEACHING-LEARNING PLAN
DECEMBER	**Foundations of Entrepreneurship Development:** • Concept and Need of Entrepreneurship Development • Importance and significance of growth of entrepreneurial activities **Theories of Entrepreneurship** **External Influences on Entrepreneurship Development:** • Socio-Cultural, Political, Economical, Personal.
JANUARY	**Types & Classification Of Entrepreneurs** • Intrapreneur – Concept and Development of Intrapreneurship • Women Entrepreneur, Social entrepreneurship • Entrepreneurship in India, Entrepreneurial development Program • Options available to Entrepreneur
FEBRUARY	**Entrepreneur Project Development & Business Plan** • Innovation, Invention, Creativity • Idea generation – Sources - Development of product / idea, • Environmental scanning and SWOT analysis • Entrepreneurial Venture, Business Planning Process, • Business Plan, Process, Feasibility Analysis, Critical Risk Analysis
MARCH	**Venture Development** • Steps involved in starting of Venture • Institutional support to an Entrepreneur • Venture funding, requirements of Capital (Fixed and working) • Sources of finance, problem of Venture set-up and prospects • Marketing: Methods, Channel of Marketing, Marketing Institutions and Assistance, E-entrepreneur *Case studies as applicable Teaching Methodology: Power Point Presentation, Class Discussion and Newspaper Articles Discussion

Teacher

Coordinator

Principal

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Teaching Learning Plan – Odd Semester – 2019-20

BASICS OF FINANCIAL SERVICES – SYBMS (SEM III)

MONTH	SYLLABUS
June	Unit 1 - Financial System: An overview of Financial System, Financial Markets, Structure of Financial Market (Organised and Unorganized Market), Components of Financial System, Major Financial Intermediaries, Financial Products, Function of Financial System, Regulatory Framework of Indian Financial System(Overview of SEBI and RBI-Role and Importance as regulators).
July	Unit 2 - Commercial Banks, RBI And Development Banks • Concept of Commercial Banks- Functions, Investment Policy of Commercial Banks, Liquidity in Banks, Asset Structure of Commercial Banks, Non-Performing Assets, Interest Rate reforms, Capital Adequacy Norms. • Reserve Bank of India-Organisation &Management, Role And Functions • Development Banks-Characteristics of Development Banks, Need And Emergence of Development Financial Institutions In India, Function of Development Banks.
August	Unit 3 - Insurance: • Concept, Basic Characteristics of Insurance, Insurance Company Operations, Principles of Insurance, Reinsurance, Purpose And Need Of Insurance, Different Kinds of Life Insurance Products, Basic Idea About Fire And Marine Insurance and Bancassurance. Unit 4 Mutual Funds: • Concept of Mutual Funds, Growth of Mutual Funds in India.
September	Unit 4 Mutual Funds: Features and Importance of Mutual Fund. Mutual Fund Schemes, Money Market Mutual Funds, Private Sector Mutual Funds, Evaluation of the Performance Of Mutual Funds, Functioning of Mutual Funds In India. Revision

COURSE OUTCOME

- Students will understand the core concepts of business finance and its importance in business.
- Students will be acquainted with the tools, types, instruments of financial system.
- Students will be able to demonstrate an understanding of the overall role and importance of the financial system and its services

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Teaching Learning Plan – Odd Semester – 2019-20

CORPORATE FINANCE

SYBMS (SEM 3)

JUNE	**Unit -I Introduction:** Introduction to Corporate Finance: Meaning, Principles of Corporate Finance, Significance of Corporate Finance, Amount of Capitalization, Over Capitalization and Under Capitalization, Fixed Capital and Working Capital Funds. Introduction to Ownership securities: Ordinary Shares, Preference Shares, Creditor ship Securities, Debts and Bonds, Convertible Debentures, Concept of Private Placement of Securities. **Unit-II Capital Structure and Leverage** Introduction to Capital Structure Theories, EBIT-EPS analysis for Capital Structure decision. Cost of Capital - Cost of Debt, Cost of Preference Shares, Cost of Equity Shares and Cost of Retained Earnings.
JULY	**Unit-II Capital Structure and Leverage** Calculation of Weighted cost of capital Introduction to Concept of leverage - Operating Leverage, Financial Leverage and Combined leverage **Unit- III Time Value of Money** Introduction to Time value of Money - compounding and discounting Introduction to Basis of Capital Budgeting
AUGUST	**Unit- III Time Value of Money** Introduction to Basis of Capital Budgeting (time value of money based methods) - NPV and IRR (Net Present Value and Internal Rate of Return) Importance of risk and return analysis in corporate Finance. **Unit -IV Mobilisation of funds** Public Deposits and RBI regulations, Company deposits and SEBI regulations. Protection of depositors, RBI and public deposits with NBFC's, Foreign capital and collaborations, Foreign Direct investments(FDI), Emerging trends in FDI
SEPTEMBER	**Unit -IV Mobilisation of funds** Global Depositary Receipts, Policy development, Capital flows and equity Debt. Brief introduction & sources of short term finance Bank overdraft, Cash credit, Factoring. **Revision**

COURSE OUTCOME

- Develop conceptual understanding about the tools techniques and process of financial management.
- The course will help students understand the concepts of corporate finance and its importance in managing a business.
- Students will gain understanding about the structure of Corporate Finance, Sources of Finance and Cost of Capital.
- Develop understanding about importance of Corporate Finance and financial decision making ability.

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TEACHING-LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

SEMESTER IV

SUBJECT: ETHICS AND GOVERNANCE

COURSE: BMS CLASS: SECOND YEAR

Course Outcome: After studying this subject this students will understand ethics and ethical practices social responsibilities and good governance which are indispensable progress for a business and a country.

MONTH	TEACHING-LEARNING PLAN (UNIT I, II & IV)
NOVEMBER	• Ethics: Concept of Ethics, Evolution of Ethics, Nature of Ethics- Personal, Professional, Managerial Importance of Ethics, Objectives, Scope, Types – Transactional, Participatory and Recognition
DECEMBER	• Business Ethics: Meaning, Objectives, Purpose and Scope of Business Ethics Towards Society and Stakeholders, Role of Government in Ensuring Business Ethics • Principles of Business Ethics, 3 Cs of Business Ethics • Ethics in Marketing (CLASS DISCUSSION)
JANUARY	• Ethics In Finance-Major Corporate Scams in India, Role of SEBI in Ensuring Corporate Governance, Cadbury Committee Report, 1992 • Ethics in Human Resource Management (VIDEOS) • Meaning of CSR, Evolution of CSR, Types of Social Responsibility, Need for CSR , CSR Principles and Strategies, Issues in CSR
FEBRUARY	• Tata Group's CSR Rating Framework • Sachar Committee Report on CSR (CLASS DISCUSSION) • Ethical Issues in International Business Practices • Recent Guidelines in CSR
MARCH	• Society's Changing Expectations of Business With Respect to Globalization, Future of CSR (CLASS DISCUSSION) • Revision *Case studies as applicable

The teaching methodology used is through Power Point Presentation.

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TEACHING AND LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

S.Y.B.M.S.- SEMESTER IV

SUBJECT :- FOUNDATION COURSE-IV ETHICS & GOVERNANCE

Month	Topics
November	Concept, History of Corporate Governance in India, Need for Corporate Governance
December	Models of Corporate Governance, Insider Trading
January	Significance of Ethics in Corporate Governance, Principles of Corporate Governance, Benefits of Good Governance, Issues in Corporate Governance
February	Theories- Agency Theory, Shareholder Theory, Stakeholder Theory and Stewardship Theory
March	Corporate Governance in India, Emerging Trends in Corporate Governance.

Teaching Methodology: PPT presentation & Classroom Discussion

Course Outcome:- To understand the emerging need and growing importance of good governance and CSR by organizations To study the ethical business practices, CSR and Corporate Governance practiced by various organizations

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Teaching Learning Plan – Even Semester – 2019-20

CORPORATE RESTRUCTURING– SYBMS (SEM IV)

MONTH	SYLLABUS
November	Unit 1: Corporate Restructuring – Introduction and Concepts (Only Theory) Corporate Restructuring - Historical Background, Meaning of Corporate Restructuring, Corporate Restructuring as a Business Strategy, Need and Scope of Corporate Restructuring. • Planning, Formulation and Execution of Various Restructuring Strategies, Important Aspects to be considered while Planning or Implementing Corporate Restructuring Strategies. • Forms of Restructuring - Merger, Demerger, Reverse merger , Disinvestment , Takeover/acquisition, Joint Venture (JV), Strategic Alliance, Franchising and Slump sale
December	Unit 2: Accounting of Internal Reconstruction (Practical and theory) Need for reconstruction and Company Law provisions, Distinction between internal and external reconstructions • Methods including alteration of share capital, variation of share-holder rights, sub division, consolidation, surrender and reissue/cancellation, reduction of share capital, with relevant legal provisions and accounting treatments for same.
January	Unit 3: Accounting of External Reconstruction (Amalgamation/ Mergers/ Takeovers and Absorption)(Practical and theory) In the nature of merger and purchase with corresponding accounting treatments of pooling of interests and purchase methods respectively • Computation and meaning of purchase consideration and Problems based on purchase method of accounting only
February	Unit 4: Impact of Reorganization on the Company - An Introduction (Theory) Change in the Internal Aspects on Reorganization – Change of Name and Logo, Revised Organization Chart, Communication, Employee Compensation, Benefits and Welfare Activities, Aligning Company Policies, Aligning Accounting and Internal Database Management Systems, Re-Visiting Internal Processes and Re-Allocation of People • Change in External Aspects on Reorganization - Engagement with Statutory Authurities, Revised ISO Certification and Similar Other Certifications, Revisiting past Government approvals, decisions and other contracts. • Impact of Reorganization - Gain or Loss to Stakeholders, Implementation of Objectives, Integration of Businesses and Operations, Post Merger Success and Valuation and Impact on Human and Cultural Aspects.
March	Revision

COURSE OUTCOME

- Students will be able to develop and describe corporate restructuring as a business strategy and also different forms of restructuring.
- Students will have adequate knowledge of the accounting treatment of internal and external reconstruction.
- Students will develop an understanding of the impact of reorganization on the company.

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TEACHING AND LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

S.Y.B.M.S. - SEMESTER IV

SUBJECT:- FINANCIAL INSTITUTIONS & MARKETS

Month	Topics
November	Financial System in India. Financial System Theoretical Settings – Meaning, Importance, Functions of financial system, Indian financial system from financial neutrality to financial activism and from financial volatility to financial stability. Role of government in Financial development
December	, Phases of Indian financial system since independence (State Domination – 1947-1990, Financial sector reforms 1991 till Financial sector Legislative Reforms Commission 2013) (Only an Overview) Monitoring Framework for financial Conglomerates, Structure of Indian financial system – Financial Institutions (Banking & Non Banking), Financial Markets (Organized and Unorganized) Financial Assets/Instruments, Financial Services(Fund based & Free Based) – (In details) Microfinance - Conceptual Framework – Origin, Definitions, Advantages, Barriers, Microfinance Models in Indi
January	Financial Regulators & Institutions in India (detail discussion on their role and functions) Financial Regulators – Ministry of Finance (Dept of DEA, Expenditure ,Revenue, financial services and disinvestment) RBI- Changing role of RBI in the financial sector, global crisis and RBI, Ministry of Corporate Affairs, SEBI, Pension Fund Regulatory and Development Authority, IRDA, Financial Institutions- Role, Classification, Role of Commercial banks, IFCI, IDBI, Industrial Credit and Investment Corporation of India, SFC, Investment institutions in India (LIC, GIC) NBFC services provided by NBFC, Specialized Financial Institutions – EXIM, NABARD, SIDBI, NHB, SIDC, SME Rating agency of India Ltd, IIFCL, IWRFC (Their role, functions and area of concerns)
February	Financial Markets (In Details) Indian Money Market – Meaning, Features, Functions, Importance, Defects, Participants, Components (Organized and Unorganized) (in details) and Reforms Indian Capital Market - Meaning, Features, Functions, Importance, Participants, Instruments, Reforms in Primary and Secondary Market, Stock Indices, NSE, BSE, ADR and GDR Introduction of Commodity and Derivative Markets Insurance and Mutual funds – An introduction, Managing Financial Systems Design Financial System Design - Meaning, Stakeholder Lender Conflict, Manager Stock holder conflict, Conflict Resolution and Financial System Design, Bank oriented systems and Market oriented systems its advantages and drawbacks, Dimensions of well-functioning financial systems At global level –
March	Financial system designs of Developed countries (Japan, Germany , UK and USA) (Brief Summary) Case studies relating to disinvestments polices of PSU in India, Global crises and failures in market systems around world

Course Outcome:- The Course aims at providing the students basic knowledge about the structure, role and functioning of financial institutions and markets in the financial system in India. To inculcate understanding relating to managing of financial system

Teaching Methodology:- Practical problems and solutions, Case studies & Classroom discussion

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Lesson Plan - Odd Semester [illegible]-20

CORPORATE COMMUNICATION AND PU[illegible] RELATIONS

TYBMS (SEM 5)

June	**Foundation of Corporate Communication:** Introduction, Meaning, Scope of corporate commun[illegible]on, Corporate Communication in India, Need/ Relevance of Corporate Communication [illegible]ontemporary Scenario. Corporate Identity: Meaning and Features, Corporate Image: Me[illegible]ng, Factors Influencing Corporate Image, Corporate Reputation: Meaning, Advantages [illegible]od Corporate Reputation. Importance of Ethics in Corporate Communication, Corporate Communication and Professional Code of Ethics, Mass Media Laws: Defamation, Invasion of Privacy, ***Activity – Corporate Communicator to develop an insight on its significance*** Copyright Act, Digital Piracy, RTI
July	**[illegible]nderstanding Public Relations:** [illegible]ntroduction, Meaning, Essentials of Public Relations, Objectives of Public Relations, Scope of Public Relations, Significance of Public Relations in Business Tracing Growth of Public Relations, ***Documentary screening***. Public Relations in India, Reasons for Emerging International Public Relations. Introduction, Social and Cultural Issues, Economic Issues, Political Issues, Legal Issues Systems Theory, Situational Theory, Social Exchange Theory, Diffusion Theory **Functions of Corporate Communication and Public Relations:** Introduction, Importance of Media Relations, Sources of Media Information, Building Effective Media Relations, Principles of Good Media Relations. Introduction, Sources of Employee Communications, Organizing Employee Communications, Benefits of Good Employee Communications
August	**Functions of Corporate Communication and Public Relations:** Steps in Implementing An Effective Employee Communications Programme, Role of Management in Employee Communications. Introduction, Impact of Crisis, Role of Communication in Crisis, Guidelines for Handling Crisis, Trust Building. **Financial Communication:** Introduction, Tracing the Growth of Financial Communication in India, Audiences for Financial Communication, Financial Advertising. ***Presentations on various Media Relations and Crisis Management topics***
[illegible]eptember	**Emerging Technology in Corporate Communication and Public Relations:** Introduction, Today's Communication Technology, Importance of Technology to Corporate Communication,Functions of Communication Technology in Corporate Communication, Types of Communication Technology, New Media: Web Conferencing, Really Simple Syndication (RSS). Introduction, E-media Relations, E-internal Communication, E-brand Identity and Company Reputation. **Corporate Blogging** Introduction, Defining Corporate Blogging, Characteristics of a Blog, Types of Corporate Blogs, Role of Corporate Blogs, Making a Business Blog. ***Lab session on Developing Corporate Blog and Website***
October	**Revision sessions.**

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TEACHING-LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

SEMESTERV

SUBJECT: E-COMMERCE AND DIGITAL MARKETING

COURSE: BMS CLASS: THIRD YEAR

Course Outcome: After studying the topics given below the students will understand increasing significance of E-Commerce and its applications in Business and Various Sectors, Digital Marketing activities on various Social Media platforms and its emerging significance in Business. They will be able to explore the Latest Trends and Practices in E-Commerce and Digital Marketing, along with its Challenges and Opportunities for an Organization.

MONTH	TEACHING-LEARNING PLAN
June	• Ecommerce- Meaning, Features of E-commerce, Categories of E-commerce, Advantages &Limitations of E-Commerce, Traditional Commerce &E-Commerce • Ecommerce Environmental Factors • Factors Responsible for Growth of E-Commerce, Issues in Implementing E-Commerce, Myths of E-Commerce • Impact of E-Commerce on Business, Ecommerce in India and trends • Meaning, benefits and trends in M-Commerce
July	• E-Business: Meaning, Launching an E-Business, Different phases of Launching an E-Business • Important Concepts in E-Business: Data Warehouse, Customer Relationship Management , Supply Chain Management, Enterprise Resource Planning • Bricks and Clicks business models in E-Business • Electronic Data Interchange (EDI) in E-Business • Website : Design and Development of Website
August	• Issues Relating to Privacy and Security in E-Business • Electronic Payment Systems • Payment Gateway • Types of Transaction Security • E-Commerce Laws in India, IT Act 2000
September	• Digital Marketing • Digital Marketing on various Social Media platforms • Online Advertisement, Online Marketing Research, Online PR • Web Analytics, Promoting Web Traffic *Case studies as applicable Teaching Methodology: Power Point Presentation, Class Discussion and Newspaper Articles Discussion

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Teaching Learning Plan – Odd Semester – 2019-20

COMMODITIES & DERIVATIVES MARKET – TYBMS (SEM V)

MONTH	SYLLABUS
June	Unit 1- Introduction to Commodities Market and Derivatives Market a) Introduction to Commodities Market : Meaning, History• & Origin, Types of Commodities Traded, Structure of Commodities Market in India, Participants in Commodities Market, Trading in Commodities in India(Cash & Derivative Segment), Commodity Exchanges in India & Abroad, Reasons for Investing in Commodities b) Introduction to Derivatives Market: Meaning, History• & Origin, Elements of a Derivative Contract, Factors Driving Growth of Derivatives Market, Types of Derivatives, Types of Underlying Assets, Participants in Derivatives Market, Advantages & Disadvantages of Trading in Derivatives Market, Current Volumes of Derivative Trade in India, Difference between Forwards & Futures.
July	Unit 2 - Futures and Hedging a) Futures: Futures Contract Specification, Terminologies, Concept of Convergence,• Relationship between Futures Price & Expected Spot Price, Basis & Basis Risk, Pricing of Futures Contract, Cost of Carry Model b) Hedging: Speculation• & Arbitrage using Futures, Long Hedge – Short Hedge, Cash & Carry Arbitrage, Reverse Cash & Carry Arbitrage, Payoff Charts & Diagrams for Futures Contract, Perfect & Imperfect Hedge
August	Unit 3 - Options and Option Pricing Models a) Options: Options Contract Specifications, Terminologies, Call Option, Put Option,• Difference between Futures & Options, Trading of Options, Valuation of Options Contract, Factors affecting Option Premium, Payoff Charts & Diagrams for Options Contract, Basic Understanding of Option Strategies b) Options Pricing Models: Binomial Option Pricing Model, Black - Scholes Option Pricing Model
September	Unit 4 - Trading, Clearing & Settlement In Derivatives Market and Types of Risk a) Trading, Clearing & Settlement In Derivatives Market: Meaning and Concept, SEBI Guidelines, Trading Mechanism – Types of Orders, Clearing Mechanism – NSCCL – its Objectives & Functions, Settlement Mechanism – Types of Settlement b) Types of Risk: Value at Risk, Methods of calculating VaR, Risk Management Measures , Types of Margins, SPAN Margin Revision

COURSE OUTCOME

- Students will be able to develop an understanding of commodities and derivatives market.
- Students will be able to describe and distinguish among alternative derivative instruments and employ theoretical valuation methods to price these financial instruments.
- Students will be acquainted with the trading, clearing and settlement mechanism in derivates market.

TEACHER COORDINATOR PRINCIPAL

SMT. MANEKBAI SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

BUNTS SANGHA'S

S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE AND MANAGEMENT STUDIES

TEACHING AND LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

PROGRAM : T.Y.B.M.S.- SEMESTER V

COURSE :RISK MANAGEMENT

Month	Topics
June	Foundation of Corporate Communication • Definition, Risk Process, Risk Organization, Key Risks –Interest, Market, Credit, Currency, Liquidity, Legal, Operational • Risk Management V/s Risk Measurement – Managing Risk, Diversification, Investment Strategies and Introduction to Quantitative Risk Measurement and its Limitations • Principals of Risk - Alpha, Beta, R squared, Standard Deviation, Risk Exposure Analysis, Risk Immunization, Risk and Summary Measures –Simulation Method, Duration Analysis, Linear and other Statistical Techniques for Internal Control
July	Risk Hedging Instruments and Mechanism: • Forwards, Futures, Options, Swaps and Arbitrage Techniques, Risk Return Trade off, Markowitz Risk Return Model, Arbitrage Theory, System Audit Significance in Risk Mitigation Enterprise Risk Management: • Risk Management V/s Enterprise Risk Management, Integrated Enterprise Risk Management, ERM Framework, ERM Process, ERM Matrix, SWOT Analysis, Sample Risk Register Risk Governance: • Importance and Scope of Risk Governance, Risk and Three Lines of Defense, Risk Management and Corporate Governance
August	Risk Assurance: • Purpose and Sources of Risk Assurance, Nature of Risk Assurance, Reports and Challenges of Risk Risk and Stakeholders Expectations: • Identifying the Range of Stakeholders and Responding to Stakeholders Expectations Insurance Industry: • Global Perspective, Regulatory Framework in India, IRDA - Reforms, Powers, Functions and Duties.
September	Role and Importance of Actuary Players of Insurance Business: • Life and Non- Life Insurance, Reinsurance, Bancassurance, Alternative Risk Trance, Insurance Securitization, Pricing of Insurance products, Expected Claim Costs, Risk Classification Claim Management: • General Guidelines, Life Insurance, Maturity, Death, Fire, Marine, Motor

Course outcome:- To familiarize the learners with the fundamental aspects of risk management and control. To give a comprehensive overview of risk governance and assurance with special reference to insurance sector. To introduce the basic concepts, functions, process, techniques of risk management

Teaching Methodology:- PPT presentation &Classroom Discussion

Teacher's Signature

Co-ordinator's Signature

Principal's Signature

S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES BUNTS SANGHA'S POWAI MUMBAI-76.

Teaching Learning Plan – Even Semester – 2019-20

INNOVATIVE FINANCIAL SERVICES–TYBMS (SEM VI)

MONTH	SYLLABUS
December	Unit 1 Introduction to Traditional Financial Services a)Financial Services: • Concept, Objectives/Functions. Characteristics, Financial Service Market. Financial Service Market Constituents, Growth of Financial Services in India, Problems in Financial Services Sector, Banking and Non-Banking Companies, Regulatory Framework b) Factoring and Forfaiting: • Introduction, Types of Factoring, Theoretical Framework, Factoring Cost, Advantages and Disadvantages of Factoring, Factoring in India, Factoring v/s Forfaiting, Working of Forfaiting, Benefits and Drawbacks of Forfaiting, Practical Problems. c) Bill Discounting: • Introduction, Framework, Bill Market Schemes, Factoring V/s Bill Discounting in Receivable Management. Unit 2 Issue Management and Securitization a) Issue Management and Intermediaries: • Introduction, Merchant Bankers/ Lead Managers, Underwriters, Bankers to an Issue, Brokers to an Issue
January	Unit 2 Issue Management and Securitization b) Stock Broking: • Introduction, Stock Brokers, SubBrokers, Foreign Brokers, Trading and Clearing/Self Clearing Members, Stock Trading (Cash and Normal) Derivative Trading c) Securitization: • Definition, Securitization v/s Factoring, Features of Securitization, Pass Through Certificates, Securitization Mechanism, Special Purpose Vehicle, Securitisable Assets, Benefits of Securitization, New Guidelines on Securitization Unit 3: Financial Services and its Mechanism a) Lease and Hire-Purchase: • Meaning, Types of Lease - Finance Lease, Operating Lease, Advantages and Disadvantages of Leasing, Leasing in India, Legal Aspects of Leasing. • Definition of Hire Purchase, Hire Purchase and Installment Sale Characteristics, Hire Purchase and Leasing, Advantages of Hire Purchase, Problems of Hire Purchase. b) Housing Finance: • Introduction, Housing Finance Industry, Housing Finance Policy Aspect, Sources of Funds, Market of Housing Finance, Housing Finance in India- Major Issues, Housing Finance in India – Growth Factors, Housing Finance Institutions in India, National Housing Bank (NHB), Guidelines for Asset Liability Management System in HFC, Fair Trade Practice Code for HFC's, Housing Finance Agencies.
February	Unit 3: Financial Services and its Mechanism c) Venture Capital: Introduction, Features of Venture Capital, Types of Venture Capital Financing Stages, Disinvestment mechanisms, Venture Capital-Investment

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POWAI
MUMBAI-76.

Teaching Learning Plan – Even Semester – 2019-20

	process, Indian Scenario Unit 4: Consumer Finance and Credit Rating a) Consumer Finance: • Introduction, Sources, Types of Products, Consumer Finance Practice in India, Mechanics of Consumer Finance, Terms, Pricing, Marketing and Insurance of Consumer Finance, Consumer Credit Scoring, Case for and against Consumer Finance b) Plastic Money: • Growth of Plastic Money Services in India, Types of Plastic Cards- Credit card Debit Card- Smart card- Add-on Cards, Performance of Credit Cards and Debit Cards, Benefits of Credit Cards, Dangers of Debit Cards, Prevention of Frauds and Misuse, Consumer Protection. Indian Scenario. • Smart Cards- Features, Types, Security Features and Financial Applications c) Credit Rating: • Meaning, Origin, Features, Advantages of Rating, Regulatory Framework, Credit Rating Agencies, Credit Rating Process, Credit Rating Symbols. Credit Rating Agencies in India, Limitations of Rating
March	Revision

COURSE OUTCOME

- Students will be able to understand the meaning, characteristics and differences between different services
- Students will be acquainted with the regulatory framework for different services.
- Students will be able to calculate the cost of factoring and take decisions for the same.

TEACHER CO-ORDINATOR PRINCIPAL

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S.M SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI.

TEACHING-LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

SEMESTERVI

SUBJECT: RETAIL MANAGEMENT

COURSE: BMS CLASS: THIRD YEAR

Course Outcome: After studying this subject students will have detailed understanding about store management, merchandise management and retail business strategies. The students will be acquainted with legal and ethical aspects of retail management.

MONTH	TEACHING-LEARNING PLAN
DECEMBER	• Introduction and Meaning, Significance, Factors Influencing Retail Management, Scope of Retail Management • Multichannel Retailing: Meaning and Types • Impact of Globalization on Retailing
JANUARY	• Applications of I.T. in Retail: EDI, Bar Coding, RFID Tags, Electronic Surveillance, Electronic Shelf Labels (VIDEOS) FDI in Retailing, Franchising, Green Retailing, Airport Retailing Retail Consumer/Shopper CRM in Retail Retail Strategy Store Location Selection HRM in Retail
FEBRUARY	• Merchandise Management Buying Function Concept of Lifestyle Merchandising Private Label (PICTURES & GROUP DISCUSSION) Pricing Strategies (PICTURES) • Retail Store Operations: Meaning, Responsibilities of Store Manager, The 5 S's of Retail Operations (Systems, Standards, Stock, Space, Staff) (PICTURES)
MARCH	• Store Design and Layout-types (PICTURES) • Signage and Graphics, Feature Areas • Revision *Case studies as applicable

The teaching methodology used is through Power Point Presentation and Pictures.

TEACHER'S SIGNATURE COORDINATOR'S SIGNATURE PRINCIPAL'S SIGNATURE

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LESSON PLAN FOR EVEN SEMESTER 2019-20

MEDIA PLANNING AND MANAGEMENT
TYBMS (SEM VI)

MONTH	LESSON PLAN
Dec	Meaning and features of Media. Media Planning – Scope, Elements and Process. Role of Media in a business and consumer buying decision. Impact of Marketing objectives on Media Planning. Factors influencing Media Planning decisions and challenges. Structure of Media Planning organisation. Regulatory Framework and Legal aspects in Media Planning
Jan	**Media Research** – Meaning, Role, Importance, Sources. ABC, Press Audits, NRS/IRS, Businessmen Readership Survey, TRP, National Television Study, ADMARC/IB Survey. **Media Mix** – Meaning, Need, Influencing Factors, Types of Media Mix decisions, Broad Media Classes, Media Vehicles, Media Units **[Presentation of different media, metrics and features, innovations]**
Feb	**Media Choices** – Print, Television, Radio, OOH, Emerging Media (Advantages, Limitations, Features, Factors affecting their decision making) **Media Strategy** – Meaning, Need, Situation Analysis, Steps, Target group, Market Prioritization, Media Weights, Media Mix, Media Scheduling **Media Budget** – Meaning, Influencing Factors, Formulation, Methods of setting Media Budget **[Activity for identifying right media mix]** **Media Buying** – Meaning, Role of Media Buyer, Objective and Process, Buying Brief, Environmental Analysis, Buying as Art and Science, Buying Presentation, Client Feedback. **Media Scheduling [Interaction with industry expert]**
Mar	**Media Measurement** – Basic Metrics, Television Metrics, Radio Metrics, Print Metrics, OOH Metrics. Benchmarking Metrics, Plan Metrics. Evaluating Media Buys – Evaluation techniques for Television Buys, Print Media and other media

Course Outcome:

- It helps in developing understanding on Media, Media Mix, Media Planning, Strategies with reference to current business scenario
- It helps the students to understand basic characteristics of various media to ensure most effective use of media budget.
- It provides an insight on media planning, budgeting, scheduling and evaluating the different types of media buys.

TEACHER COORDINATOR PRINCIPAL

M.S. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

Teaching Learning Plan – Even Semester – 2019-20

PROJECT MANAGEMENT

TYBMS-B(SEM 6)

MONTH	LESSON PLAN
December	**Unit I Introduction to Project Management & Project Initiation** **(a) Introduction to Project Management:** Meaning/Definition of Project• & Project Management, Classification of Projects, Why Project Management, Characteristics/Importance of Project Management, Need for Project Management (Objectives), History of Project Management **b) Organizational Structure (Project Organization):** Meaning/Definition of Organizational Structure, Organizational Work Flow, Developing Work Integration Positions, Types of Organizational Structure, Forms of Organization, Strategic Business Units (SBU) in Project Management. **c) Project Initiation:** • **Project Selection**-Meaning of Project Selection, Importance of Project Selection, Criteria for Project Selection (Models), • Types of Project Selection, Understanding Risk & Uncertainty in Project Selection **Project Manager**-Meaning of Project Manager, Role of Project Manager, Importance of Project Manager, Role of Consultants in Project Management, Selecting Criteria for Project Manager • **Project Planning**-Importance of Project Planning, Functions of Project Planning, System Integration, Project Management Life Cycle, Conflicts & Negotiation Handling in Project Management, Planning Cycle & Master Production Scheduling
January	**Unit II Analyzing Project Feasibility** a) **Project Feasibility Analysis:** Meaning/Definition of Project Feasibility, Importance of Project Feasibility, Scope of Project Feasibility Types of Project Feasibility- Market Feasibility, Technical Feasibility, Financial Feasibility, Economic Viability, Operational Feasibility SWOT Analysis (Environment Impact Assessment, Social Cost Benefit Analysis) b) **Market Analysis**: Meaning of Market Analysis, Demand Forecasting, Product Mix Analysis,• Customer Requirement Analysis c) **Technical Analysis:** Meaning of Technical Analysis, Use of Various Informational Tools forAnalyzing, Advancement in the Era of E- Commerce in Project Management d) Operational Analysis: Meaning of Operation Management Importance of Operation Management, d) **Operation Strategy** - Levels of Decisions, Production Planning & Control, Material Management - Work Study & Method Study, Lean Operations
February	**Unit III Budgeting, Cost & Risk Estimation in Project Management** a) **Funds Estimation in Project**: Means of Financing, Types of Financing, Sources of Finance, Government• Assistance towards Project Management for Start ups, Cost Control (Operating Cycle, Budgets & Allocations), Determining Financial Needs for Projects, Impact of Leveraging on Cost of Finance

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February	**b) Risk Management in Projects**: What is Risk, Types of Risk in Projects, Risk Management Process, Risk Analysis& Identification, Impact of Risk Handling Measures, Work break Down Structure, New Venture Valuation (Asset Based, Earnings Based, Discounted Cash flow Models) **c) Cost Benefit Analysis in Projects** Introduction to Cost Benefit Analysis, Efficient Investment Analysis, Cash - FlowProjections, Financial Criteria for Capital Allocation, Strategic Investment Decisions **Unit IV New Dimensions in Project Management** a) Modern Development in Project Management: Introduction to Modern Development in Project Management, Project Management Maturity Model (PMMM), Continuous Improvement, Developing Effective Procedural Documentation, Capacity Planning
March	**Unit IV New Dimensions in Project Management** b) Project Monitoring & Controlling: Introduction to Project Monitoring•& Controlling, The Planning – Monitoring Controlling Cycle, Computerized Project Management Information System (PMIS), Balance in Control System in Project Management, Project Auditing – Life Cycle c) Project Termination & Solving Project Management Problems: Meaning of Project Termination, Reasons for Termination of Projects, Process for Terminating Projects, Strategy/ Ways to Solve Project Management Problems, Project Review & Administrative Aspects, Execution Tools for Closing of Projects

COURSE OUTCOME

- **Learn the concept of Project Management, Organisation structure and Project Initiation.**
- **Get insight of analyzing project feasibility and its use in Project Management.**
- **Familiarize with the concept of budgeting, cost and risk estimation in Project management.**
- **Explore new dimensions in Project Management.**

TEACHER

COORDINATOR

PRINCIPAL

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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TEACHING AND LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20

T.Y.B.M.S.- SEMESTER VI

SUBJECT :- STRATEGIC FINANCIAL MANAGEMENT

Month	Topics
December	Dividend Decision and XBRL- a) Dividend Decision: Meaning and Forms of Dividend, Dividend-Modigliani and Miller's Approach, Walter Model, Gordon Model, Factors determining Dividend Policy, Types of Dividend Policy-b) XBRL: Introduction, Advantages and Disadvantages, Features and Users
January	Capital Budgeting and Capital Rationing- Capital Budgeting: Risk and Uncertainty in Capital Budgeting, Risk Adjusted Cut off Rate, Certainty Equivalent Method, Sensitivity Technique, Probability Technique, Standard Deviation Method, Co-efficient of Variation Method, Decision Tree Analysis, Construction of Decision Tree. Capital Rationing: Meaning , Advantages, Disadvantages. Practical Problems
February	Shareholder Value and Corporate Governance/Corporate Restructuring- Shareholder Value and Corporate Governance: Financial Goals and Strategy, Shareholder Value Creation: EVA and MVA Approach, Theories of Corporate Governance, Practices of Corporate Governance in India Corporate Restructuring: Meaning, Types, Limitations of Merger, Amalgamation, Acquisition, Takeover,Determination of Firm's Value, Effect of Merger on EPS and MPS, Pre Merger and Post Merger Impact. Financial Management in Banking Sector and Working Capital Financing- Financial Management in Banking Sector: An Introduction, Classification of Investments, NPA & their Provisioning ,Classes of Advances, Capital Adequacy Norms, Rebate on Bill Discounting, Treatment of Interest on Advances Working Capital Financing:
March	Maximum Permissible Bank Finance (Tandon Committee), Cost of issuing Commercial Paper and Trade Credit, Matching Approach, Aggressive Approach, Conservative Approach

Teaching Methodology: PPT presentation & Classroom Discussion

Course Outcome:- To match the needs of current market scenario and upgrade the learner's skills and knowledge for long term sustainability Changing scenario in Banking Sector and the inclination of learners towards choosing banking as a career option has made study of financial management in banking sector inevitable To acquaint learners with contemporary issues related to financial management

Teacher's Signature

Co-ordinator's Signature

Principal's Signature

S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES BUNTS SANGHA'S POWAI MUMBAI-76.

S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE AND MANAGEMENT STUDIES
TEACHING AND LEARNING PLAN FOR THE ACADEMIC YEAR 2019-20
T.Y.B.M.S.- SEMESTER VI SUBJECT :- INTERNATIONAL FINANCE

Month	Topics
December	Fundamentals of International Finance-a) Introduction to International Finance: Meaning/ Importance of International Finance, Scope of International Finance, Globalization of the World Economy, Goals of Introduction, Accounting Principles in Balance of Payment, Components , Balance of Payment Identity Systems: Evolution of International Monetary System , Gold Standard System , Bretton Woods System, Monetary System, Fixed & Flexible Exchange Rate System d) An introduction to Exchange Rates: Foreign Cross Currency Rates Spread & Spread % Factors Affecting Exchange Rates
January	Foreign Exchange Markets, Exchange Rate Determination & Currency Derivativesa) Foreign Exchange Markets: Introduction to Foreign Exchange Markets, Structure of Foreign Exchange Markets, Types of Transactions & Settlement Date, Exchange Rate Quotations & Arbitrage, Forward Quotations annualized Forward Margin)b) International Parity Relationships & Foreign Exchange Rate: Interest Rate Parity, Purchasing Power Parity & Fishers Parity, Forecasting Exchange Rates (Efficient Market Approach, Fundamental Approach, Technical Approach, Performance of the Forecasters), Global Financial Markets & Interest Rates Domestic & Offshore Markets, Money Market Instruments) c) Currency & Interest Rate Futures: Introduction to Currency Options (Option on Spot, Futures & Futures Style Options), Futures Contracts, Markets & the Trading Process, Hedging & Speculation with Interest Rate Futures, Currency Options in India
February	World Financial Markets & Institutions & Risks-a) Euro Currency Bond Markets: Introduction to Euro Currency Market, Origin of Euro Currency Market, Euro Bond Market (Deposit, Loan, Notes Market), Types of Euro Bonds, Innovation in the Euro Bond Markets, Competitive Advantages of Euro Banks, Control & Regulation of Euro Bond Market b) International Equity Markets & Investments: Introduction to International Equity Market, International Equity Market Benchmarks, Risk & Return from Foreign Equity Investments, Equity Financing in the International Markets, Depository Receipts – ADR, GDR, IDRc) International Foreign Exchange Markets: Meaning of International Foreign Exchange Market, FERA v/s FEMA, Scope & Significance of Foreign Exchange Markets, Role of Forex Manager, FDI v/s FPI, Role of FEDAI in Foreign Exchange Market d) International Capital Budgeting: Meaning of Capital Budgeting, Capital Budgeting Decisions, Incremental Cash Flows, Cash Flows at Subsidiary and Parent Company, Repatriation of Profits, Capital Budgeting Techniques – NPV Foreign Exchange Risk, Appraisal & Tax Management a) Foreign Exchange Risk Management: Introduction to Foreign Exchange Risk Management, Types of Risk, Trade & Exchange Risk, Portfolio Management in Foreign Assets, Arbitrage & Speculation
March	International Tax Environment: Meaning of International Tax Environment, Objectives of Taxation, Types of Taxation, Benefits towards Parties doing Business Internationally, Tax Havens, Tax Liabilities c) International Project Appraisal: Meaning of Project Appraisal, Review of Net Present Value Approach (NPV), Option Approach to Project Appraisal, Project Appraisal in the International Context, Practice of Investment Appraisal

Teaching Methodology: PPT presentation & Classroom Discussion

Course Outcome:- to familiarize the student with the fundamental aspects of various issues associated with International Finance. The course aims to give a comprehensive overview of International Finance as a separate area in International Business. To introduce the basic concepts, functions, process, techniques and create an awareness of the role, functions and functioning of International Finance in this Globalised Market

Teacher's Signature

Co-ordinator's Signature

Principal's Signature

S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES POWAI MUMBAI-76.

Subject :

Work Diary

Ashish N. 19-20. T.Y

Date	Class & Time	Subject Taught	Topics Covered	Signature
01.10.19	FYBMS A+B 7.30 - 9.10	Introduction to financial Ac	Accounting In computerised Environment	
03.10.19	FYBMS A+B 7.20 - 8.20	Introduction to financial Ac	IFRS, IAS, Schedule VI of the companies Act - format.	
04.10.19	FYBCom A+B 10.20 - 11.10	Commerce - II	Revision, distribution of Preliminary Exam, Paper.	
			I hereby declare that I have completed all the subjects allotted to me as follows:- FYBMS A & B - Introduction to financial Account FYBCom A+B - Commerce - I SYBMS - B - Corporate finance SYBAF - financial Marketing operation.	

Co-ordinator

Principal

SMT. MANIBEN NANAVATI SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
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Work Diary

Date	Class & Time	Subject Taught	Topics Covered	Signature
	TYBMS 8.20 - 9.10	Project Mgmt -	Paper solving	
	TYBAF 9.10 - 10.00	Cost Acty	Sales Budget, Production Budget, Purchase Budget	
	10.30 - 12.00	Prelim exam	Supervision	
13.3.20	T.Y. BAF 9.10 - 10.00	Cost Accounting	Revision	
	I hereby declare that I have completed the syllabus for the following subjects FYBMS A & B - Business Environment FYBcom A & B - commerce - II TYBAF - cost Accounting TYBMS - B Project Management. Revision, Quizzes and Assignments have been conducted hence from in Online mode			16/3/2020

Principal

POWAI MUMBAI-76.

Subject : Law

Work Diary

Adv Harish K T1 19-20.

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes SYB Com A & B : Business Law I FYBMS A & B : Business Law SYBAF : Business Law 2 SYBBI : Foundation Course Overview of Banking (course)	

Co-ordinator

Principal

SMT. SHEETY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
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Subject :

Work Diary

Adv. Hamid K. 19-20. T

Date	Class & Time	Subject Taught	Topics Covered	Signature
	10:20-11:10 FYBMS A	Industrial Law	Rate of Gratuity / Forfeiture / Disputes as to Gratuity	16/3/2020

I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes

SYBCom A & B
Business Law II
FYBMS A & B
Industrial Law
SYBAF : Business Law 3
SYBBI : Corporate & Securities Law

Coordinator

Principal

SMT. SHEETY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Subject :

Work Diary

Nidhi C 19-20 T1

Date	Class & Time	Subject Taught	Topics Covered	Signature
			This is to certify that I have completed the syllabus of the following subjects as prescribed by the University of Mumbai TUBMS (A&B) - Corporate Communication & Public Relations SUBMS (A&B) - Strategic Management FUBMS (A&B) - Unit 3 & Unit 4 of Foundation of Human Skills [signature] 20/10/19	

Co-ordinator

Principal
24/10/2019.

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
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Work Diary

Subject : _____ Nidhi 19-20 T2

Date	Class & Time	Subject Taught	Topics Covered	Signature
		This is to certify that the Syllabus of following subjects have been completed as prescribed by the University of Mumbai TUBMS (Sem 8) – Media Planning & Management. SUBMS (Sem 4) – Business Research Methods FUBMS (Sem 2) – Principles of Marketing Revision lectures were conducted for TUBMS on 10th Sept & 26th Sept 2020.		

Principal

SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES ALUMNI'S ASSOCIATION
POWAI
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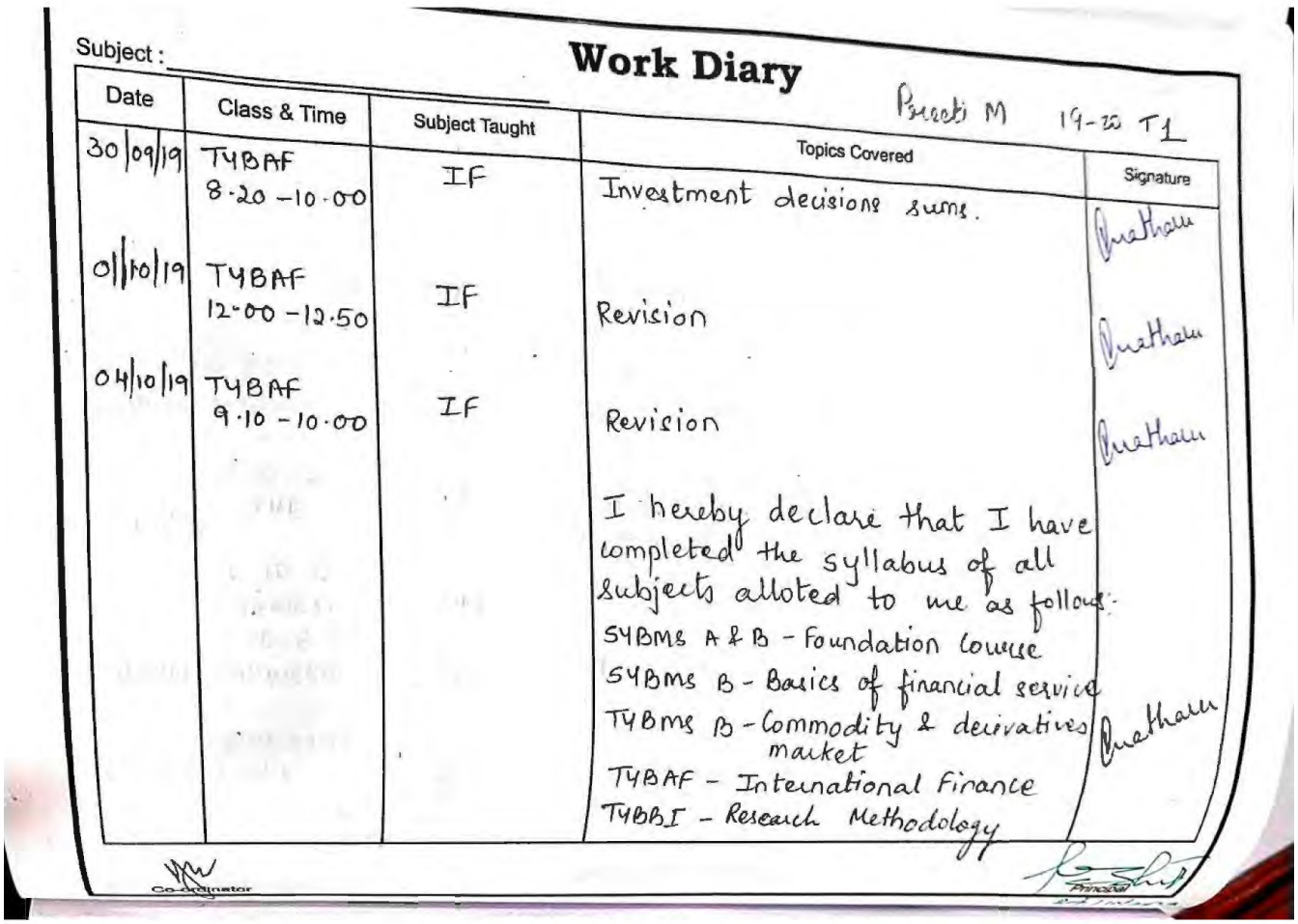

Subject :

Work Diary

Preeti M 19-20 T1

Date	Class & Time	Subject Taught	Topics Covered	Signature
30/09/19	TYBAF 8.20 - 10.00	IF	Investment decisions sums.	
01/10/19	TYBAF 12.00 - 12.50	IF	Revision	
04/10/19	TYBAF 9.10 - 10.00	IF	Revision	
			I hereby declare that I have completed the syllabus of all subjects alloted to me as follows: SYBMS A & B - Foundation course SYBMS B - Basics of financial service TYBMS B - Commodity & derivatives market TYBAF - International Finance TYBBI - Research Methodology	

Co-ordinator

Principal

SIES SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES SIWS
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Work Diary

Sem IV. 19-20 T-2.

Date	Class & Time	Subject Taught	Topics Covered	Signature
12/3/20	8 – 9.30		Prelim Supervision	
	10.20 – 11.10 (TYBAF)	Tax	Revision	Prathamesh
	SYBMS (CB) 11.10 – 12.00	CR	Revision	
14/3/20	8 am – 11 am		ATKT Supervision	Prathamesh

I hereby declare that I have completed the syllabus for the following subjects.

TYBMS (B) – Innovative Financial Services
SYBMS (B) – Corporate Restructuring
TYBAF – Indirect Tax
TYBMM – Financial Management for Marketing & advertising
SYBCOM A&B – Foundation Course.

Prathamesh

16/3/2020

Hence forth. revision, assignments have been conducted in online mode

Principal

Coordinator

SMT. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
03/10			I hereby declare that I have completed the syllabus of the subjects allotted me for Term I of AY 2019-20. 1. TYBMS - Ecommerce & Digital Marketing. 2. TYBCOM - Commerce - V (Marketing 3. SYBMS - Business Planning & Entrepreneurial Management 4. FYBMS - Foundation of Human Skills (Unit 1 & 2)	

Co-ordinator

Principal

SWAMI VIVEKANAND EDUCATIONAL SOCIETY'S SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Subject :

Work Diary

Staff S. 19-20 - T2

Date	Class & Time	Subject Taught	Topics Covered	Signature
	11.10-12.00 FYBMSB	POM	Graicunas Theory, Revision.	
12/03	7.30-9.00		Conference work.	
	10.30-12.00		Prelims supervision	
	1.15-2.30pm		Staff Meeting.	
13/03	9.10-10.00 TYBMSA	RM.	Revision lecture.	
	12-~~10~~1.30.		TYBMS. Project Guidance, International Conference work	
14/03	8.00-11.00		TYBMS Project Guidance	

I hereby declared that I have completed syllabus of
FYBMS - Principles of Management
SYBMS - Ethics & Governance FC
TYBMS - Retail Management
TYBCOM - Commerce VI
Also Online Quizes & Revision lectures were conducted for TY classes.
Further, E-work Diary was ~~mainted~~ maintained.

16/3/2020.

Principal

Co-ordinator

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Work Diary

Subject : _____ C A Zainab R 19-20 T1

Date	Class & Time	Subject Taught	Topics Covered	Signature
03-10-19	TYBAF 10:20 - 11:10	FA VI	Valuation of Shares	
	TYBAF 11:10 - 12:00	FA VI	Valuation of Shares	
			I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes.	
			SYBCOM A & B - Accountancy & financial management III	
			SYBMS A & B - Accounting for Managerial decisions	
			TYBMS B - Risk Management	
			TYBAF - Financial Accounting VI	Raywala 03/10/19

Principal

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Subject : _____

Work Diary

C.A. Zainab R 19-20 T2

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have completed the entire syllabus as set forth by the University of Mumbai with revision in the following classes SYBCom (A) & (B) - Accountancy & financial Management III SYBMS (A) & (B) - Foundation course (Ethics & Governance) SYBMS (B) Financial Institutions & Markets TYBMS (B) International Finance & Strategic Financial Management	

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F.Y.B.Sc.IT-SEM I

SUBJECT: Imperative Programming

Month	Topics to be Covered
JUNE	**UNIT I: Introduction:** Types of Programming languages, History, features& application. Simple program logic, program development cycle, pseudocode statements & flowchart symbols, sentinel value to end a program, programming & user environments, evolution of programming models., desirable program characteristics. **[TM:CHALK & TALK,PPT,VIDEO,PRACTICAL]**
JULY	**UNIT I: Fundamentals:** Structure of a program, Compilation and Execution of a Program, Character Set, identifiers and keywords, data types, constants, variables and arrays, declarations, expressions, statements, Variable definition, symbolic constants **UNIT II: Operators and Expressions:** Arithmetic, unary, relational,logical, assignment, assignment , & the conditional operator, library functions. **Data Input and output:** Single character input and output, entering input data, scanf & printf function, gets and puts functions, interactive programming. **UNIT III: Conditional Statements and Loops:** Decision Making Within A Program, Conditions, Relational Operators, Logical Connectives, If Statement, If-Else Statement, Loops: While Loop, Do While, For Loop. Nested Loops, Infinite Loops, Switch Statement. **[TM:CHALK & TALK,PPT, PRACTICAL]**
AUGUST	**UNIT III :Functions:** Overview, defining a function, accessing a function, passing arguments to a function, specifying argument data types, function prototypes, recursion, modular programming and functions, standard library of c functions, prototype of a function: parameter list, return type, function call, block structure, passing arguments to a function: call by reference, call by value. **UNIT IV: Program structure:** Storage classes, automatic, external, & static variables, multifile programs, more library functions, Preprocessor: Features, #define and #include. **Directives and Macros Arrays:** Definition, processing, passing arrays to functions, multidimensional arrays, arrays and strings. **[TM:CHALK & TALK,PPT, PRACTICAL]**
SEPTEMBER	**UNIT V: Pointers:** Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Pointer Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers, Pointer Arrays, passing functions to other functions **Structures and Unions:** Structure Variables, Initialization, Structure Assignment, Nested Structure, Structures and Functions, Structures and Arrays: Arrays of Structures, Structures Containing Arrays, Unions, Structures and pointers. **[TM:CHALK & TALK,PPT, PRACTICAL]**

Course Outcome

IMPERATIVE PROGRAMMING — [F.Y.B.Sc.IT SEM-I]

1. How C provides a foundation for further study of programming languages.
2. Develop the ability to analyze a problem, develop an algorithm & flowchart to solve it.
3. To use simple input and output statements, Conditional operation, Control statements, & Looping.
4. To use Pointers and pointer operators.
5. Familiarize the basic aspects of arrays, structure and file handling.

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S.Y.B.Sc.IT-SEM III

SUBJECT: Python Programming

Month	Topics to be Covered
JUNE	**UNIT I: Introduction:** The Python Programming Language, History, features, Installing Python, Running Python program, Debugging : Syntax Errors, Runtime Errors, Semantic Errors,Experimental Debugging, Formal & Natural Languages, The Difference Between Brackets, Braces, & Parentheses, **Variables and Expressions** :Values & Types, Variables, Variable Names & Keywords, Type conversion,Operators & Operands, Expressions, Interactive Mode & Script Mode, Order of Operations. **Conditional Statements**: if, if-else, nested if –else **Looping:** for, while, nested loops **Control statements:** Terminating loops, skipping specific conditions **UNIT II: Functions:** Function Calls, Type Conversion Functions, Math Functions, Composition, Adding New Functions, Definitions and Uses, Flow of Execution, Parameters and Arguments, Variables and Parameters Are Local, Stack Diagrams, Fruitful Functions and Void Functions, Why Functions?Importing with from, Return Values, Incremental Development, Composition, Boolean Functions, More Recursion, Leap of Faith, Checking Types **[TM:CHALK & TALK,PPT,VIDEO,PRACTICAL]**
JULY	**UNIT II: Strings:** A String Is a Sequence, Traversal with a for Loop, String Slices, Strings Are Immutable, Searching, Looping & Counting, String Methods, in Operator, String Comparison & Operations. **Unit III: Lists:** Values and Accessing Elements, Lists are mutable, traversing a List, Deleting elements, Built-in List Operators, Concatenation, Repetition, In Operator, Built-in List functions and methods **Tuples and Dictionaries:** Tuples, values in Tuples, Tuple(=), Tuples as return values, Variable-length argument tuples, Basic tuples operations, Concatenation, Repetition, in Operator, Iteration, Built-in Tuple Functions Creating, Accessing, Updating & Deleting Elements from Dictionary, Properties of Dictionary keys, Operations in Dictionary, Built-In Dictionary Functions &Methods **Files:** Text Files, The File Object Attributes, Directories **Exceptions:** Built-in Exceptions, Handling Exceptions, Exception with Arguments, User-defined Exceptions. **UNIT IV: Regular Expressions**: Concept of regular expression, various types of regular expressions, using match function. **[TM:CHALK & TALK,PPT,PRACTICAL]**
JGUST	**UNIT IV: Classes and Objects:** Overview of OOP , Class Definition, Creating Objects, Instances as Arguments, Instances as return values, Built-in Class Attributes, Inheritance, Method Overriding, Dat Encapsulation, Data Hiding **Multithreaded Programming:** Thread Module, creating a thread, synchronizing threads, multithrea priority queue **Modules:** Importing , Creating & exploring modules, Math, Random & Time module **UNIT V: Creating the GUI Form and Adding Widgets: Widgets:** Button, Canvas,Checkbutton, Entry, Frame, Label, Listbox, Menubutton, Menu, Message, Radiobutton, Scale, Scrollbar, text, Toplevel, Spinbox, PanedWindow, LabelFrame, tkMessagebox. Handling Standard attributes and Properties of Widgets. **[TM:CHALK & TALK,PPT,PRACTICAL]**
PTEM-R	**UNIT V: Layout Management:** Designing GUI applications with Layout Management features. **Look & Feel Customization:** Enhancing Look & Feel of GUI using different appearances of widg **Storing Data in Our MySQL Database via Our GUI: Connecting** to a MySQL db, Configuring MySQL connection, Designing the Python GUI DB, Using the INSERT, UPDATE, DELETE command, Storing and retrieving data from MySQL database. **[TM:CHALK & TALK,PPT,PRACTICAL]**

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Semester / Term Syllabus Planning

Course Outcome

PYTHON PROGRAMMING — [S.Y.B.Sc.IT SEM-II]

1. Basics of Python programming
2. Describe the Numbers, Math functions, Strings, List, Tuples and Dictionaries in Python
3. Express different Decision Making statements and Functions
4. Interpret Object Oriented programming in Python
5. Understand and summarize different File handling operations
6. Explain how to design GUI Applications in Python and evaluate different database operations
7. Design and develop Client Server network applications using Python

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F.Y.B.Sc.IT-SEM II	
SUBJECT: Object Oriented Programming	
Month	**Topics to be Covered**
DECEMBER-JANUARY	**UNIT I:** Object Oriented Methodology: Introduction, Advantages and Disadvantages of Procedure Oriented Languages, what is Object Oriented? What is Object Oriented Development? Object Oriented Themes, Benefits and Application of OOPS. Principles of OOPS: OOPS Paradigm, Basic Concepts of OOPS: Objects, Classes, Data Abstraction and Data Encapsulation, Inheritance, Polymorphism, Dynamic Binding, Message Passing **UNIT II:** Classes and Objects: Simple classes (Class specification, class members accessing), Defining member functions, passing object as an argument, Returning object from functions, friend classes, Pointer to object, Array of pointer to object. **[TM:CHALK & TALK,PPT,VIDEO]**
FEBRUARY	**UNIT II:** Constructors and Destructors: Introduction, Default Constructor, Parameterized Constructor and examples, Destructors **UNIT III:**Polymorphism: Concept of function overloading, overloaded operators, overloading unary and binary operators, overloading comparison operator, overloading arithmetic assignment operator, Data Conversion between objects and basic types. **[TM:CHALK & TALK,PPT,VIDEO]**
MARCH	**UNIT IV:** Program development using Inheritance: Introduction, understanding inheritance, Advantages provided by inheritance, choosing the access specifier, Derived class declaration, derived class constructors, class hierarchies, multiple inheritance, multilevel inheritance, containership, hybrid inheritance. Exception Handling: Introduction, Exception Handling Mechanism, Concept of throw & catch with example. **UNIT V:** Templates: Introduction, Function Template and examples, Class Template and examples. Working with Files: Introduction, File Operations, Various File Modes, File Pointer and their Manipulation. **[TM:CHALK & TALK,PPT]**

Course Outcome

OBJECT ORIENTED PROGRAMMING WITH C++ — [F.Y.B.Sc.IT SEM-II]

1.Designed meticulously to help students master the Object Oriented Programming skills in C++.
2. It covers basic topics like input/output streams, namespaces, classes and objects, constructors, function overloading, function overriding through to advanced topics such as Inheritance, Polymorphism, Templates, Exception handling, File handling etc,
3. It will be a stepping stone for learning other technologies like Java, Ios, Windows phone programming etc

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S.Y.B.Sc.IT-SEM IV

SUBJECT: Computer Graphics and Animation

Month	Topics to be Covered
DECEMBER -JANUARY	**UNIT I:Introduction to Computer Graphics:** Overview of Computer Graphics, Application and Software, some graphics devices, Input Devices for Operator Interaction, Active and Passive Graphics Devices, Display Technologies, Storage Tube Graphics Displays, Calligraphic Refresh Graphics Displays, Raster Refresh Graphics Displays, CRT Basics, Color CRT Raster Scan Basics, Video Basics, The Video Controller, Random-Scan Display Processor, LCD displays. **Scan conversion** – Digital Differential Analyzer (DDA) algorithm, Bresenhams' Line drawing algorithm.Bresenhams' method of Circle drawing, Midpoint Circle Algorithm, Midpoint Ellipse Algorithm, Mid-point criteria, Problems of Aliasing, end-point ordering and clipping lines, Scan Converting Circles, Clipping Lines algorithms– Cyrus-Beck, Cohen-Sutherland and Liang-Barsky, Clipping Polygons, problem with multiple components. **UNIT II: Two-Dimensional Transformations:** Transformations and Matrices, Transformation Conventions, 2D Transformations, Homogeneous Coordinates and Matrix Representation of 2D Transformations, Translations and Homogeneous Coordinates, Rotation, Reflection, Scaling, Combined Transformation, Transformation of Points, Transformation of The Unit Square, Solid Body Transformations, Rotation About an Arbitrary Point, Reflection through an Arbitrary Line, A Geometric Interpretation of Homogeneous Coordinates, The Window-toViewport Transformations. **[TM:CHALK & TALK,PPT,VIDEO]**
FEBRUARY	**UNIT II: 3D Transformations:** 3D Scaling, 3D Shearing, 3D Rotation, 3D Reflection, 3D Translation, Multiple Transformation, Rotation about an Arbitrary Axis in Space, Reflection through an Arbitrary Plane, Matrix Representation of 3D Transformations, Composition of 3D Transformations, Affine and Perspective Geometry, Perspective Transformations, Techniques for Generating Perspective Views, Vanishing Points, the Perspective Geometry and camera models, Orthographic Projections, Axonometric Projections, Oblique Projections, View volumes for projections. **UNIT III: Viewing in 3D:** Stages in 3D viewing, Canonical View Volume (CVV), Specifying an Arbitrary 3D View, Examples of 3D Viewing, The Mathematics of Planar Geometric Projections, Combined transformation matrices for projections and viewing, Coordinate Systems and matrices, camera model and viewing pyramid. **Light:** Radiometry,Transport,Equation,Photometry **Color:** Colorimetry, ColorSpaces, ChromaticAdaptation, Color Appearance. **[TM:CHALK & TALK,PPT,VIDEO]**
MARCH	**UNIT IV: Visible-Surface Determination:** Techniques for efficient Visible-Surface Algorithms, Categories of algorithms, Back face removal, The z-Buffer Algorithm, Scan-line method, Painter's algorithms (depth sorting), Area sub-division method, BSP trees, Visible-Surface Ray Tracing, comparison of the methods. **Plane Curves and Surfaces:** Curve Representation, Nonparametric Curves, Parametric Curves, Parametric Representation of a Circle, Parametric Representation of an Ellipse, Parametric Representation of a Parabola, Parametric Representation of a Hyperbola, Representation of Space Curves, Cubic Splines, , Bezier Curves, B-spline Curves, B-spline Curve Fit, B-spline Curve Subdivision, Parametric Cubic Curves, Quadric Surfaces. Bezier Surfaces. **UNIT V:Computer Animation:** Principles of Animation, Key framing, Deformations, Character Animation, Physics-Based Animation, Procedural Techniques, Groups of Objects. **Image Manipulation and Storage:** What is an Image? Digital image file formats, Image compression standard – IPEG, Image Processing - Digital image enhancement, contrast stretching, Histogram Equalization, smoothing and median Filtering **[TM:CHALK & TALK,PPT]**

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Semester / Term Syllabus Planning

Course Outcome

COMPUTER GRAPHICS AND ANIMATION— [S.Y.B.Sc.IT SEM-IV]

1. To list the basic concepts used in computer graphics.
2. To implement various algorithms to scan, convert the basic geometrical primitives, transformations, Area filling, clipping.
3. To describe the importance of viewing and projections.
4. To define the fundamentals of animation, virtual reality and its related technologies.
5. To understand a typical graphics pipeline
6. To design an application with the principles of virtual reality

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S.Y.B.Sc.IT-SEM IV	
SUBJECT: Introduction to Embedded Systems Practical	
Month	**Topics to be Covered**
DECEMBER-JANUARY	**1:** Design and develop a reprogrammable embedded computer using 8051 microcontrollers and to show the following aspects. a. Programming b. Execution c. Debugging. **2:** A- Configure timer control registers of 8051 and develop a program to generate given time delay. B- To demonstrate use of general purpose port i.e. Input/ output port of two controllers for data transfer between them. **3:** A-Port I / O: Use one of the four ports of 8051 for O/P interfaced to eight LED's. Simulate binary counter (8 bit) on LED's B- To interface 8 LEDs at Input-output port and create different patterns. C- To demonstrate timer working in timer mode and blink LED without using any loop delay routine
FEBRUARY	**4:** A- Serial I / O: Configure 8051 serial port for asynchronous serial communication with serial port of PC exchange text messages to PC and display on PC screen. Signify end of message by carriage return. B- To demonstrate interfacing of seven-segment LED display and generate counting from 0 to 99 with fixed time delay. C- Interface 8051 with D/A converter and generate square wave of given frequency on oscilloscope. **5:** A-Interface 8051 with D/A converter and generate triangular wave of given frequency on oscilloscope. B- Using D/A converter generate sine wave on oscilloscope with the help of lookup table stored in data area of 8051. **6:** Interface stepper motor with 8051 and write a program to move the motor through a given angle in clock wise or counter clock wise direction.
MARCH	**7:** Generate traffic signal. **8:** Implement Temperature controller. **9:** Implement Elevator control. **10:** Using Flash Magic A -To demonstrate the procedure for flash programming for reprogrammable embedde system board using Flash Magic B -To demonstrate the procedure and connections for multiple controllers programmin of same type of controller with same source code in one go, using flash magic

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S.Y.B.Sc.IT-SEM III

SUBJECT: Database Management System

Month	Topics to be Covered
JUNE	**UNIT I: Introduction to Databases and Transactions:** What is database system, purpose of d system, view of data, relational databases, database architecture, transaction management **Data Models** The importance of data models, Basic building blocks, Business rules, The evolu data models, Degrees of data abstraction. Database Design,ER Diagram and Unified M Language **Database design and ER Model**: overview, ER Model, Constraints, ERDiagrams, ERD Issues entity sets, Codd's rules, Relational Schemas, Introduction to UML **UNIT II: Relational database model**: Logical view of data, keys, integrity rules, Relational Da design: features of good relational database design, atomic domain and Normalization (1NF, 2NF BCNF). **[TM:CHALK & TALK,PPT,VIDEO,PRACTICAL]**
JULY	**UNIT II: Relational Algebra and Calculus Relational algebra:** introduction, Selectio projection, set operations, renaming, Joins, Division, syntax, semantics. Operators, groupin ungrouping, relationalcomparison. **Calculus:** Tuple relational calculus, Domain relational Calculus, calculus vs algebra, comput capabilities **UNIT III: Constraints, Views and SQL Constraints:** types of constrains, Integrity cons Views: Introduction to views, data independence, security, updates on views, comparison b tables and views SQL: data definition, aggregate function, Null Values, nested sub queries, relations. Triggers. **[TM:CHALK & TALK,PPT,PRACTICAL]**
AUGUST	**UNIT IV: Transaction management and Concurrency Control:** Transaction management: properties, serializability and concurrency control, Lock based concurrency control (2PL, Deadl Time stamping methods, optimistic methods, database recovery management. **[TM:CHALK & TALK,PPT,PRACTICAL]**
SEPTEM -BER	**UNIT V: PL-SQL:** Beginning with PL / SQL, Identifiers and Keywords, Operators, Expres Sequences, Control Structures, Cursors and Transaction, Collections and composite data Procedures and Functions, Exceptions Handling, Packages, With Clause and Hierarchical Retr Triggers. **[TM:CHALK & TALK,PPT,PRACTICAL]**

Course Outcome:

1. To describe a sound introduction to the discipline of database management systems and explain the features of database management systems and Relational database.

2. To give a good formal foundation on the relational model of data and usage of Relational Algebra. Design conceptual models of a database using ER modeling for real life applications and also construct queries in Relational Algebra.

3. To introduce the concepts of basic SQL as a universal Database language. Create and populate a RDBMS for a real life application, with constraints and keys, using SQL.

4. To enhance knowledge with examples of various transaction management and recovery concepts .Retrieve any type of information from a data base by formulating complex queries in SQL.

5. To demonstrate the principles behind systematic database design approaches by covering conceptual design, logical design through normalization. Analyze the existing design of a database schema and apply concepts of normalization to design an optimal database.

6. To provide an overview of PL/SQL and to introduce student with basic implementation of PL/SQL.

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Class: FYBSc(IT) sem I Subject: Digital Electronics

July 2019	**UNIT I:** **Number System:** Analog System, digital system, numbering system, binary number system, octal number system, hexadecimal number system, conversion from one number system to another, floating point numbers, weighted codes binary coded decimal, non-weighted codes Excess – 3 code, Gray code, Alphanumeric codes – ASCII Code, EBCDIC, ISCII Code, Hollerith Code, Morse Code, Teletypewriter (TTY), Error detection and correction, Universal Product Code, Code conversion. **Binary Arithmetic:** Binary addition, Binary subtraction, Negative number representation, Subtraction using 1's complement and 2's complement, Binary multiplication and division, Arithmetic in octal number system, Arithmetic in hexadecimal number system, BCD and Excess – 3 arithmetic.
August 2019	**UNIT II:** **Boolean Algebra and Logic Gates:** Introduction, Logic (AND OR NOT), Boolean theorems, Boolean Laws, De Morgan's Theorem, Perfect Induction, Reduction of Logic expression using Boolean Algebra, Deriving Boolean expression from given circuit, exclusive OR and Exclusive NOR gates, Universal Logic gates, Implementation of other gates using universal gates, Input bubbled logic, Assertion level. **Minterm, Maxterm and Karnaugh Maps:** Introduction, minterms and sum of minterm form, maxterm and Product of maxterm form, Reduction technique using Karnaugh maps – 2/3/4/5/6 variable K-maps, Grouping of variables in K-maps, K-maps for product of sum form, minimize Boolean expression using K-map and obtain K-map from Boolean expression, QuineMcCluskey Method. **UNIT III:** **Combinational Logic Circuits:** Introduction, Multi-input, multi-output Combinational circuits, Code converters design and implementations **Arithmetic Circuits:** Introduction, Adder, BCD Adder, Excess – 3 Adder, Binary Subtractors, BCD Subtractor, Multiplier, Comparator.
September 2019	**UNIT IV:** **Multiplexer, Demultiplexer, ALU, Encoder and Decoder:** Introduction, Multiplexer, Demultiplexer, Decoder, ALU, Encoders. **Sequential Circuits: Flip-Flop:** Introduction, Terminologies used, S-R flip-flop, D flip-fop, JK flip-flop, Race-around condition, Master – slave JK flip-flop, T flip-flop,conversion from one type of flip-flop to another, Application of flip-flops. **Unit V:** **Counters:** Introduction, Asynchronous counter, Terms related to counters, IC 7493 (4-bit binary counter), Synchronous counter, Bushing, Type T Design, Type JK Design, Presettable counter, IC 7490, IC 7492, Synchronous counter ICs, Analysis of counter circuits. **UNIT V:** **Shift Register:** Introduction, parallel and shift registers, serial shifting, serial–in serial–out, serial–in parallel–out, parallel binary sequence generator, IC7495, Seven Segment displays, analysis of shift counters.

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Course Outcome: Digital Electronics

1. Understand theconcepts of variouscomponents todesign stable analogcircuits.
2. Represent numbersand performarithmeticoperations.
3. Minimize theBoolean expressionusing Booleanalgebra and design itusing logic gates.
4. Analyze and designcombinationalcircuit.

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Class: FYBSc(IT) Sem II Microprocessor Architecture

December 2019	**UNIT I:** **Microprocessor, microcomputers, and Assembly Language:** Microprocessor, Microprocessor Instruction Set and Computer Languages, From Large Computers to Single-Chip Microcontrollers, Applications. **[Group Discussion]** Microprocessor Architecture and its operation's, Memory, I/O Devices, Microcomputer System, Logic
January 2020	**UNIT II:** Devices and Interfacing, Microprocessor-Based System Application. **[Chalk-N-Talk]** Introduction, 8085 Microprocessor unit, 8085-Based Microcomputer, Memory Interfacing, Interfacing the 8155 Memory Segment, Illustrative Example: Designing Memory for the MCTS Project, Testing and Troubleshooting Memory Interfacing Circuit, 8085-Based Single-Board microcomputer. **[Chalk-N-Talk]** **Introduction to 8085 Instructions:** Data Transfer Operations, Arithmetic Operations, Logic Operation**[Practical Demonstration]Introduction to 8085 Instructions:** Branch Operation, Writing Assembly Languages Programs, Debugging a Program. **[Practical Demonstration]** Basic Interfacing concepts, Interfacing Output Displays, Interfacing Input Devices, Memory Mapped I/O, Testing and Troubleshooting I/O Interfacing Circuits. **[Chalk-N-Talk]** The 8085 Programming Model, Instruction Classification, Instruction, Data and Storage, Writing assembling and Execution of a simple program, Overview of 8085 Instruction Set, Writing and Assembling Program. **[Practical Demonstration]**
February 2020	**UNIT III: Programming Techniques With Additional Instructions:** Programming Techniques: Looping, Counting and Indexing, Additional Data Transfer and 16-Bit Arithmetic Instructions, Arithmetic Instruction Related to Memory, Logic Operations: Rotate, Logics Operations: Compare, Dynamic Debugging. **[Chalk-N-Talk]** **Counters and Time Delays:** Counters and Time Delays, Illustrative Program: Hexadecimal Counter, Illustrative Program: zero-to-nine (Modulo Ten) Counter, Generating Pulse Waveforms, Debugging Counter and Time-Delay Programs. **[Practical Demonstration]** **Stacks and Sub-Routines:** Stack, Subroutine, Restart, Conditional Call, Return Instructions, Advanced Subroutine concepts. **[Practical Demonstration]** **UNIT IV:** **Code Conversion, BCD Arithmetic, and 16-Bit Data Operations:** BCD-to-Binary Conversion, Binary-to-BCD Conversion, BCD-to-Seven-Segment-LED Code Conversion, Binary-to-ASCII and ASCII-to-Binary Code Conversion, BCD Addition, BCD Subtraction, Introduction To Advanced Instructions and Applications, Multiplication, Subtraction With Carry. **[Chalk-N-Talk]** **Software Development System and Assemblers:** Microprocessors-Based Software Development system, Operating System and Programming Tools, Assemblers and Cross-Assemblers, Writing Program Using Cross Assemblers. **[Chalk-N-Talk]** **Interrupts:** The 8085 Interrupt, 8085 Vectored Interrupts, Restart as S/W Instructions, Additional I/O Concepts and processes. **[Chalk-N-Talk]**
March 2020	**UNIT V:** The Pentium and Pentium Pro microprocessors: Introduction, Special Pentium registers, Memory management, Pentium instructions, Pentium Pro microprocessor, Special Pentium Pro features **[Group Discussion]** Core 2 and later Microprocessors: Introduction, Pentium II software changes, Pentium IV and Core 2 i3, i5 and i7. SUN SPARC Microprocessor: Architecture, Register file, data types and instruction forma **[Group Discussion, Chalk-N-Talk]**

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Microprocessor Architecture -Course Outcome:

1. Apply the fundamentals of assembly level programming of microprocessors.
2. Build a program on a microprocessor using instruction set of 8086.
3. Develop the assembly level programming using 8086 loop instruction set.
4. Analyze abstract problems and apply a combination of hardware and software to address the problem.
5. Understanding different types of processors available in the market.

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December 2019	**UNIT I** **Introduction:** Embedded Systems and general purpose computer systems, history, classifications, applications and purpose of embedded systems **[Group Discussion, Chalk-N-Talk]** **Core of embedded systems:** microprocessors and microcontrollers, RISC and CISC controllers, Big endian and Little endian processors, Application specific ICs, Programmable logic devices, COTS, sensors and actuators, communication interface, embedded firmware, other system components.**[Chalk-N-Talk]**
January 2020	**UNIT I** **Characteristics and quality attributes of embedded systems:** Characteristics, operational and non-operational quality attributes. **[Group Discussion]** **UNIT II** **Embedded Systems – Application and Domain Specific:** Application specific – washing machine, domain specific - automotive. **[Group Discussion]** **Embedded Hardware:** Memory map, i/o map, interrupt map, processor family, external peripherals, memory – RAM , ROM, types of RAM and ROM, memory testing, CRC ,Flash memory.**[Chalk-N-Talk]** **Peripherals:** Control and Status Registers, Device Driver, Timer Driver - Watchdog Timers. **UNIT III** **The 8051 Microcontrollers:** Microcontrollers and Embedded processors, Overview of 8051 family. 8051 Microcontroller hardware, Input/output pins, Ports, and Circuits, External Memory.**[Chalk-N-Talk]**
February 2020	**UNIT III:** **8051 Programming in C:** Data Types and time delay in 8051 C, I/O Programming, Logic operations, Data conversion Programs. **[Chalk-N-Talk]** **UNIT IV** **Designing Embedded System with 8051 Microcontroller:** Factors to be considered in selecting a controller, why 8051 Microcontroller, Designing with 8051. **[Practical Demonstration]** **Programming embedded systems:** structure of embedded program, infinite loop, compiling, linking and debugging.**[Practical Demonstration ,Chalk-N-Talk]**
March 2020	**UNIT V** **Real Time Operating System (RTOS):** Operating system basics, types of operating systems, Real-Time Characteristics, Selection Process of an RTOS. **[Chalk-N-Talk]** **Design and Development:** Embedded system development Environment – IDE, types of file generated on cross compilation, disassembler/ de-compiler, simulator, emulator and debugging, embedded product development life-cycle, trends in embedded industry.**[Group Discussion]**

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SYBSCIT

Embedded System-Course Outcome:

1. Explain the embedded system concepts and architecture of embedded systems
2. Understand the concepts of Microcontroller and microprocessor architecture.
3. Describe the architecture of 8051 microcontroller and write embedded program for 8051 microcontroller.
4. Design the interfacing for 8051 microcontroller.
5. Select elements for an embedded systems tool

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Semester / Term Syllabus Planning

Course Name: Internet of Things Course [TYBSc(IT)]

Month	Topics
June	**The Internet of Things: An Overview** : The Flavor of the Internet of Things, The "Internet" of "Things", The Technology of the Internetof Things, Enchanted Objects,Who is Making the Internet of Things? (PPT, Videos) **Design Principles for Connected Devices:** Calm and AmbientTechnology, Magic as Metaphor, Privacy, Keeping Secrets, who's Data Is It Anyway? Web Thinking for Connected Devices, SmallPieces, Loosely Joined, First-Class Citizens On The Internet, Graceful Degradation, affordances. (Case-studies, PPTs, Video-lectures). **Internet Principles:** Internet Communications: An Overview, IP,TCP, The IP Protocol Suite (TCP/IP), UDP, IP Addresses, DNS,Static IP Address Assignment, Dynamic IP Address Assignment, IPv6, MAC Addresses, TCP andUDP Ports, An Example: HTTP Ports, Other Common Ports,Application Layer Protocols, HTTP, HTTPS: Encrypted HTTP, Other Application Layer Protocols. (Case-studies PPT Videos)
July	**Thinking About Prototyping:** Sketching, Familiarity, Costs versusEase of Prototyping, Prototypes and Production, Changing Embedded Platform, Physical Prototypes and Mass Personalization, Climbing into the Cloud, Open Source versus Closed Source, Why Closed?Why Open? Mixing Open and Closed Source, Closed Source for MassMarket Projects, Tapping into the Community. (PPT, case-studies, research paper) **Prototyping Embedded Devices:** Electronics, Sensors, Actuators,Scaling Up the Electronics, Embedded Computing Basics,Microcontrollers, System-on-Chips, Choosing Your Platform,Arduino, Developing on the Arduino, Some Notes on the Hardware,Openness, Raspberry Pi, Cases and Extension Boards, Developing on the Raspberry Pi, Some Notes on the Hardware, Openness. (PPT, Scenarios). **Prototyping the Physical Design:** Preparation, Sketch, Iterate, and Explore, Nondigital Methods, Laser Cutting, Choosing a Laser Cutter,Software, Hinges and Joints, 3D Printing, Types of 3D Printing,Software, CNC Milling, Repurposing/Recycling.(PPTs) **Chapter 7: Prototyping Online Components:** Getting Started withan API, Mashing Up APIs, Scraping, Legalities, Writing a New API,Clockodillo, Security,Implementing the API, Using Curl to Test, Going Further, Real-TimeReactions, Polling, Comet, Other Protocols, MQ Telemetry Transport,Extensible Messaging and Presence Protocol, Constrained ApplicationProtocol.(PPT)
August	**Techniques for Writing Embedded Code:** Memory Management,Types of Memory, Making the Most of Your RAM, Performance andBattery Life, Libraries,Debugging, (PPT) **Business Models:** A Short History of Business Models, Space andTime, From Craft to Mass Production, The Long Tail of the Internet,Learning from History, The Business Model Canvas, Who Is theBusiness Model For? Models, Make Thing, Sell Thing, Subscriptions, Customisation, Be a Key Resource, Provide Infrastructure: SensorNetworks, Take a Percentage, Funding an Internet of Things Startup, Hobby Projects and Open Source, Venture Capital, Government Funding, Crowd funding, Lean Startups. **Moving to Manufacture:** What Are You Producing? Designing Kits, (PPT, Videolectures) Designing Printed circuit boards, Software Choices, The DesignProcess, Manufacturing Printed Circuit Boards, Etching Boards, and Milling Boards. Assembly, Testing, Mass-Producing the Case andOther Fixtures, Certification, Costs, Scaling Up Software,Deployment, Correctness and Maintainability, Security, Performance, User Community. (PPTs, Case-studies, Group discussion)
September	**Ethics:** Characterizing the Internet of Things, Privacy, Control,Disrupting Control, Crowdsourcing, Environment, Physical Thing, Electronics, InternetService, Solutions, The Internet of Things as Part of the Solution,Cautious Optimism, The Open Internet of Things Definition. [PPTs, Case-studies]

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IOT Course Outcome:

1. Identify IoT concept that fits within the broader ICT industry and possible future trends.
2. Understand the various network protocols used in IoT.
3. To be familiar with the key wireless technologies used in IoT systems, such as WiFi, 6LoWPAN, bluetooth and ZigBee.
4. Understand and should be able to explain the role of big data, cloud computing and data analytics in a typical IoT system
5. Design a simple IoT system (using rasberrypie) made up of sensors, wireless network connection, data analytics and display/actuators, and writes the necessary control software.
6. Build and test a complete working IoT system.
7. Able to understand the application areas of IOT.
8. Able to realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks.
9. To analyze and evaluate the data received through sensors in IoT.
10. To develop skills on IoT technical planning.

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

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Semester / Term Syllabus Planning

MSc-(IT)-Semester I-CLOUD COMPUTING

MONTHS	TOPICS
Unit I (AUG)	**Introduction to Cloud Computing:** Introduction, Historical developments, Building Cloud Computing Environments, **Principles of Parallel and Distributed Computing:** Eras of Computing, Parallel v/s distributed computing, Elements of Parallel Computing, Elements of distributed computing, Technologies for distributed computing. **Virtualization:** Introduction, Characteristics of virtualized environments, Taxonomy of virtualization techniques, Virtualization and cloud computing, Pros and cons of virtualization, Technology examples. Logical Network Perimeter, Virtual Server, Cloud Storage Device, Cloud usage monitor, Resource replication, Ready-made environment. **Teaching Methodologies: PPT,Case-Studies, Videos**
Unit II (SEPT)	**Cloud Computing Architecture:** Introduction, Fundamental concepts and models, Roles and boundaries, Cloud Characteristics, Cloud Delivery models, Cloud Deployment models, Economics of the cloud, Open challenges. **Fundamental Cloud Security:** Basics, Threat agents, Cloud security threats, additional considerations. Industrial **Platforms and New Developments:** Amazon Web Services, Google App Engine, Microsoft Azure. **Teaching Methodologies: PPT, Case-Studies, Scenarios.**
Unit III (OCT)	**Specialized Cloud Mechanisms:** Automated Scaling listener, Load Balancer, SLA monitor, Pay-per-use monitor, Audit monitor, fail over system, Hypervisor, Resource Centre, Multiservice broker, State Management Database. **Cloud Management Mechanisms:** Remote administration system, Resource Management System, SLA Management System, Billing Management System, **Cloud Security Mechanisms:** Encryption, Hashing, Digital Signature, Public Key Infrastructure (PKI), Identity and Access Management (IAM), Single Sign-On (SSO), Cloud-Based Security Groups, Hardened Virtual Server Images. **Teaching Methodologies: PPT,Case-Studies, Group discussion.**
Unit IV (NOV)	**Fundamental Cloud Architectures:** Workload Distribution Architecture, Resource Pooling Architecture, Dynamic Scalability Architecture, Elastic Resource Capacity Architecture, Service Load Balancing Architecture, Cloud Bursting Architecture, Elastic Disk Provisioning Architecture, Redundant Storage Architecture. **Advanced Cloud Architectures:** Hypervisor Clustering Architecture, Load Balanced Virtual Server Instances Architecture, Non-Disruptive Service Relocation Architecture, Zero Downtime Architecture, Cloud Balancing Architecture, Resource Reservation Architecture, Dynamic Failure Detection and Recovery Architecture, Bare-Metal Provisioning Architecture, Rapid Provisioning Architecture, Storage Workload Management Architecture. **Teaching Methodologies: PPT,Case-Studies,**
Unit V (DEC)	**Cloud Delivery Model Considerations:** Cloud Delivery Models: The Cloud Provider Perspective, Cloud Delivery Models: The Cloud Consumer Perspective. **Cost Metrics and Pricing Models:** Business Cost Metrics, Cloud Usage Cost Metrics, Cost Management Considerations, Service Quality Metrics and SLAs: Service Quality Metrics, SLA Guidelines. **Teaching Methodologies: PPT, Videos**

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Semester / Term Syllabus Planning

Cloud Computing Course Outcome:

1. Analyze the cloud computing setup with its vulnerabilities and applications using different architectures.
2. Design different workflows according to requirements and apply map reduce programming model.
3. Apply and design suitable Virtualization concept, Cloud Resource Management and design scheduling algorithms.
4. Create combinatorial auctions for cloud resources and design scheduling algorithms for computing clouds.
5. Assess cloud Storage systems and Cloud security, the risks involved, its impact and develop cloud application.
6. Broadly educate to know the impact of engineering on legal and societal issues involved in addressing the security issues of cloud computing.
7. Develop and examine different cloud computing services.
8. Design & develop backup strategies for cloud data based on features.

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Semester / Term Syllabus Planning

Course: TYBSc-IT

Course Name: Principles of GIS

Month	Topics
Dec	Unit-I - Spatial Data Concepts: Introduction to GIS, Geographically referenced data, Geographic, projected and planer coordinate system, Map projections, Plane coordinate systems, Vector data model, Raster data model.
Jan	Unit-II- Data Input and Geometric transformation: Existing GIS data, Metadata, Conversion of existing data, Creating new data, Geometric transformation, RMS error and its interpretation, Resampling of pixel values. Unit-III - Attribute data input and data display: Attribute data in GIS, Relational model, Data entry, Manipulation of fields and attribute data, cartographic symbolization, types of maps, typography, map design, map production.
Feb	Unit-IV Data exploration: Exploration, attribute data query, spatial data query, raster data query, geographic visualization. Unit-V: Vector data analysis: Introduction, buffering, map overlay, Distance measurement and map manipulation. Raster data analysis: Data analysis environment, local operations, neighborhood operations, zonal operations, Distance measure operations.
March	Unit-VI Spatial Interpolation: Elements, Global methods, local methods, Kriging, Comparisons of different methods.

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TYBSc-IT – SEM VI- PRINCIPLES OF GIS [Course Outcomes]

Students will learn:

1. Comprehend fundamental concepts and practices of Geographic Information Systems (GIS) and advances in Geospatial Information Science and Technology (GIS&T).
2. Apply basic graphic and data visualization concepts such as color theory, symbolization, and use of white space.
3. Demonstrate organizational skills in file and database management.
4. Give examples of interdisciplinary applications of Geospatial Information Science and Technology.
5. Apply GIS analysis to address geospatial problems.

Students will able to:

1. Demonstrate proficiency in the use of GIS tools to create maps that are fit-for-purpose and effectively convey the information they are intended to.
2. Effectively communicate and present project results in oral, written, and graphic forms.
3. Demonstrate confidence in undertaking new (unfamiliar) analysis using GIS, troubleshoot problems in GIS, and seek help from software/website help menus and the GIS community to solve problems.
4. Apply mathematical concepts, including statistical methods, to data to be used in geospatial analysis.
5. Gather and process original data using a Global Positioning System (GPS) or other Global Navigation Satellite Systems (GNSS).

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List of Practical	
1.	**Use of Basic Tags**
a.	Design a web page using different text formatting tags.
b.	Design a web page with links to different pages and allow navigation between web pages.
c.	Design a web page demonstrating all Style sheet types
2.	**Image maps, Tables, Forms and Media**
a.	Design a web page with Imagemaps.
b.	Design a web page demonstrating different semantics
c.	Design a web page with different tables. Design a webpages using table so that the content appears well placed.
d.	Design a web page with a form that uses all types of controls.
e.	Design a web page embedding with multimedia features.
3.	**Java Script**
a.	Using JavaScript design, a web page that prints factorial/Fibonacci series/any given series.
b.	Design a form and validate all the controls placed on the form using Java Script.
c.	Write a JavaScript program to display all the prime numbers between 1 and 100.
a.	Write a JavaScript program to accept a number from the user and display the sum of its digits.
d.	Write a program in JavaScript to accept a sentence from the user and display the number of words in it. (Do not use split () function).
e.	Write a java script program to design simple calculator.
4.	**Control and looping statements and Java Script references**
a.	Design a web page demonstrating different conditional statements.
b.	Design a web page demonstrating different looping statements.
c.	Design a web page demonstrating different Core JavaScript references (Array, Boolean, Date, Function, Math, Number, Object, String, regExp).
5.	**Basic PHP I**
a.	Write a PHP Program to accept a number from the user and print it factorial.
b.	Write a PHP program to accept a number from the user and print whether it is prime or not.
6.	**Basic PHP II**
a.	Write a PHP code to find the greater of 2 numbers. Accept the no. from the user.

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b.	Write a PHP program to display the following Binary Pyramid: 1 0 1 1 0 1 0 1 0 1
7.	**String Functions and arrays**
a.	Write a PHP program to demonstrate different string functions.
b.	Write a PHP program to create one dimensional array.
8.	**PHP and Database**
a.	Write a PHP code to create: • Create a database College • Create a table Department (Dname, Dno, Number_Of_faculty)
b.	Write a PHP program to create a database named "College". Create a table named "Student" with following fields (sno, sname, percentage). Insert 3 records of your choice. Display the names of the students whose percentage is between 35 to 75 in a tabular format.
c.	Design a PHP page for authenticating a user.
9.	**Email**
a.	Write a program to send email with attachment.
10.	**Sessions and Cookies**
a.	Write a program to demonstrate use of sessions and cookies.

FYBSc-IT – SEM II- WEB PROGRAMMING [Course Outcomes]

Students will learn:

1. To acquire knowledge and Skills for creation of Web Site considering both client- and server-side programming.
2. Basics of HTML, PHP, JavaScript.
3. To create Web application using tools and techniques used in industry.
4. To be well versed with XML and web services Technologies.
5. To be familiarized with open source Frameworks for web development.

Students will able to:

1. Design a basic web site using HTML and CSS to demonstrate responsive web design.
2. Implement dynamic web pages with validation using JavaScript objects by applying different event handling mechanism.
3. Develop simple web application using server side PHP programing and Database Connectivity using MySQL.
4. Build well-formed XML Document.

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B. Sc. (Information Technology)	Semester – V
Course Name: Enterprise Java	Course Code: USIT506 (Elective II)

Month	Topics
June	**Unit 1:** **Understanding Java EE:** What is an Enterprise Application? What is java enterprise edition? Java EE Technologies, Java EE evolution, Glassfish server **Java EE Architecture, Server and Containers:** Types of System Architecture, Java EE Server, Java EE Containers. **Introduction to Java Servlets:** The Need for Dynamic Content, Java Servlet Technology, Why Servlets? What can Servlets do? **Servlet API and Lifecycle:** Java Servlet API, The Servlet Skeleton, The Servlet Life Cycle, A Simple Welcome Servlet **Working with Servlets:** Getting Started, Using Annotations Instead of Deployment Descriptor. **Working with Databases:** What Is JDBC? JDBC Architecture, Accessing Database, The Servlet GUI and Database Example. **Unit 2:** **Request Dispatcher:** Resquestdispatcher Interface, Methods of Requestdispatcher, RequestDispatcher Application. **COOKIES:** Kinds of Cookies, Where Cookies Are Used? Creating Cookies Using Servlet, Dynamically Changing the Colors of A Page **SESSION:** What Are Sessions? Lifecycle of Http Session, Session Tracking With Servlet API, A Servlet Session Example **TM: Chalk and Talk, PPTs, Videos, Practicals**
July	**Working with Files:** Uploading Files, Creating an Upload File Application, Downloading Files, Creating a Download File Application. **Working with Non-Blocking I/O:** Creating a Non-Blocking Read Application, Creating The Web Application, Creating Java Class, Creating Servlets, Retrieving The File, Creating index.jsp **Unit 3:** **Introduction To Java Server Pages:** Why use Java Server Pages? Disadvantages Of JSP, JSP v\s Servlets, Life Cycle of a JSP Page, How does a JSP function? How does JSP execute? About Java Server Pages **Getting Started With Java Server Pages:** Comments, JSP Document, JSP Elements, JSP GUI Example. **Action Elements:** Including other Files, Forwarding JSP Page to Another Page, Passing Parameters for other Actions, Loading a Javabean. **Implicit Objects, Scope and El Expressions:** Implicit Objects, Character Quoting Conventions, Unified Expression Language [Unified El], Expression Language. **Java Server Pages Standard Tag Libraries:** What is wrong in using JSP Scriptlet Tags? How JSTL Fixes JSP Scriptlet's Shortcomings? Disadvantages Of JSTL, Tag Libraries. **TM: Chalk and Talk, PPTs, Videos, Practicals**

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	Unit 4: **Introduction To Enterprise Javabeans:** Enterprise Bean Architecture, Benefits of Enterprise Bean, Types of Enterprise Bean, Accessing Enterprise Beans, Enterprise Bean Application, Packaging Enterprise Beans **Working with Session Beans:** When to use Session Beans? Types of Session Beans, Remote and Local Interfaces, Accessing Interfaces, Lifecycle of Enterprise Beans, Packaging Enterprise Beans, Example of Stateful Session Bean, Example of Stateless Session Bean, Example of Singleton Session Beans. **Working with Message Driven Beans:** Lifecycle of a Message Driven Bean, Uses of Message Driven Beans, The Message Driven Beans Example. **TM: Chalk and Talk, PPTs, Videos, Practicals**
August	**Interceptors:** Request and Interceptor, Defining An Interceptor, AroundInvoke Method, Applying Interceptor, Adding An Interceptor To An Enterprise Bean, Build and Run the Web Application. **Java Naming and Directory Interface:** What is Naming Service? What is Directory Service? What is Java Naming and Directory interface? Basic Lookup, JNDI Namespace in Java EE, Resources and JNDI, Datasource Resource Definition in Java EE. **Unit 5:** **Persistence, Object/Relational Mapping And JPA:** What is Persistence? Persistence in Java, Current Persistence Standards in Java, Why another Persistence Standards? Object/Relational Mapping, **Introduction to Java Persistence API:** The Java Persistence API, JPA, ORM, Database and the Application, Architecture of JPA, How JPA Works? JPA Specifications. **Writing JPA Application:** Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database and Tables in Mysql, creating a Web Application, Adding the Required Library Files, creating a Javabean Class, Creating Persistence Unit [Persistence.Xml], Creating JSPS, The JPA Application Structure, Running the JPA Application. **TM: Chalk and Talk, PPTs, Videos, Practicals**
September	**Introduction to Hibernate:** What is Hibernate? Why Hibernate? Hibernate, Database and The Application, Components of Hibernate, Architecture of Hibernate, How Hibernate Works? **Writing Hibernate Application:** Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database and Tables in Mysql, creating a Web Application, Adding the Required Library Files, creating a Javabean Class, Creating Hibernate Configuration File, Adding a Mapping Class, Creating JSPS, Running The Hibernate Application. **TM: Chalk and Talk, PPTs, Videos, Practicals**

Books and References:

Sr. No.	Title	Author/s	Publisher	Edition	Year
1.	Java EE 7 For Beginners	Sharanam Shah, Vaishali Shah	SPD	First	2017

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CLASS: M. Sc. (Information technology)	Semester - III
COURSE: Virtualization (PSIT303a) Elective 1	

Month	Topics
July	**Unit 1:** OVERVIEW OF VIRTUALIZATION Basics of Virtualization - Virtualization Types – Desktop Virtualization – NetworkVirtualization – Server and Machine Virtualization – Storage Virtualization – System-level or Operating Virtualization – Application Virtualization-Virtualization Advantages – Virtual Machine Basics – Taxonomy of Virtual machines - Process Virtual Machines – System Virtual Machines – Hypervisor - Key Concepts **Unit 2:** SERVER CONSOLIDATION Hardware Virtualization – Virtual Hardware Overview - Sever Virtualization – Physicaland Logical Partitioning - Types of Server Virtualization – Business cases for SeverVirtualization – Uses of Virtual server Consolidation – Planning for Development –Selecting server Virtualization Platform
August	**Unit 3:** NETWORK VIRTUALIZATION Design of Scalable Enterprise Networks - Virtualizing the Campus WAN Design – WAN Architecture - WAN Virtualization - Virtual Enterprise Transport Virtualization– VLANs and Scalability - Theory Network Device Virtualization Layer 2 - VLANs Layer 3 VRF Instances Layer 2 - VFIs Virtual Firewall Contexts Network Device Virtualization - Data-Path Virtualization Layer 2: 802.1q - Trunking Generic Routing Encapsulation - IPsecL2TPv3 Label Switched Paths - Control-Plane Virtualization–Routing Protocols-VRF - Aware Routing Multi-Topology Routing.

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September	**Unit 4:** VIRTUALIZING STORAGE SCSI- Speaking SCSI- Using SCSI buses – Fiber Channel – Fiber Channel Cables –Fiber Channel Hardware Devices – iSCSI Architecture – Securing iSCSI – SAN backupand recovery techniques – RAID – SNIA Shared Storage Model – Classical Storage Model – SNIA Shared Storage Model – Host based Architecture – Storage based architecture – Network based Architecture – Fault tolerance to SAN – PerformingBackups – Virtual tape libraries. **Unit 5:** Blades and Virtualization — Building Blocks for Next-Generation Data Centers,Evolution of Computing Technology — Setting the Stage,Evolution of Blade and Virtualization Technologies,Blade Architecture,Assessing Needs — Blade System Hardware Considerations

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Semester / Term Syllabus

Course Outcome

Enterprise Java - TYBSCIT

After learning this course student should able:

- To learn and use Java Data Base Connectivity (JDBC) so as to retrieve and manipulate the information on any relational database through Java programs.
- To learn and use the server side programming using Servlets and JSP.
- To learn use Java Bean so as to make the reusable software components.
- To learn use the development of Enterprise based applications, using EJB, JSF.
- To learn and use Hibernate for the mapping of Java classes and objects associations to the relational database tables.

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

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B. Sc (Information Technology) Semester – II

Course Name: Web Programming Course Code: USIT203

nth	Topic
mber	**Internet and the World Wide Web:** What is Internet? Introduction to internet and its applications, E-mail, telnet, FTP, e-commerce, video conferencing, e-business. Internet service providers, domain name server, internet address, World Wide Web (WWW): World Wide Web and its evolution, uniform resource locator (URL), browsers – internet explorer, Netscape navigator, opera, Firefox, chrome, Mozilla. search engine, web saver – apache, IIS, proxy server, HTTP protocol **HTML5:** introduction, Why HTML5? Formatting text by using tags, using lists and backgrounds, Creating hyperlinks and anchors. Style sheets, CSS formatting text using style sheets, formatting paragraphs using style sheets.
ember	**HTML5 Page layout and navigation:** Creating navigational aids: planning site organization, creating text based navigation bar, creating graphics based navigation bar, creating graphical navigation bar, creating image map, redirecting to another URL, creating division based layouts: HTML5 semantic tags, creating divisions, creating HTML5 semantic layout, positioning and formatting divisions.
uary	**HTML5 Tables, Forms and Media:** Creating tables: creating simple table, specifying the size of the table, specifying the width of the column, merging table cells, using tables for page layout, formatting tables: applying table borders, applying background and foreground fills, changing cell padding, spacing and alignment, creating user forms: creating basic form, using check boxes and option buttons, creating lists, additional input types in HTML5, Incorporating sound and video: audio and video in HTML5, HTML multimedia basics, embedding video clips, incorporating audio on web page. **Java Script:** Introduction, Client-Side JavaScript, Server-Side JavaScript, JavaScript Objects, JavaScript Security **Operators**: Assignment Operators, Comparison Operators, Arithmetic Operators, % (Modulus), ++(Increment), --(Decrement), -(Unary Negation), Logical Operators, Short-Circuit Evaluation, String Operators, Special Operators, ?: (Conditional operator), , (Comma operator), delete, new, this, void
bruary	**Statements:** Break, comment, continue, delete, do...while, export, for, for...in, function, if...else, import, labelled, return, switch, var, while, with, **Core JavaScript (Properties and Methods of Each) :** Array, Boolean, Date, Function, Math, Number, Object, String, regExp **Document and its associated objects:** document, Link, Area, Anchor, Image, Applet, Layer **Events and Event Handlers :** General Information about Events, Defining Event

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B. Sc. (Information Technology) Semester – IV

Course Name: Core Java **Course Code: USIT401**

Month	Topic
lovember	**Introduction:**History, architecture and its components,Java Class File, Java Runtime Environment, The Java Virtual Machine, JVM Components, The Java API, java platform, java development kit, Lambda Expressions, Methods References, Type Annotations, Method Parameter Reflection, setting the path environment variable, Java Compiler And Interpreter, java programs, java applications, main(), public, static, void, string[] args, statements, white space, case sensitivity, identifiers, keywords, comments, braces and code blocks, variables, variable name **Data types:** primitive data types, Object Reference Types, Strings, Auto boxing, operators and properties of operators, Arithmetic operators, assignment operators, increment and decrement operator, relational operator, logical operator, bitwise operator, conditional operator.
December	**Control Flow Statements:** The If…Else If…Else Statement, The Switch…Case Statement **Iterations:** The While Loop, The Do … While Loop, The For Loop, The Foreach Loop, Labeled Statements, The Break And Continue Statements, The Return Statement **Classes:** Types of Classes, Scope Rules, Access Modifier, Instantiating Objects From A Class, Initializing The Class Object And Its Attributes, Class Methods, Accessing A Method, Method Returning A Value, Method's Arguments, Method Overloading, Variable Arguments [Varargs], Constructors, this Instance, super Instance, Characteristics Of Members Of A Class, constants, this instance, static fields of a class, static methods of a class, garbage collection.
January	**Inheritance:** Derived Class Objects, Inheritance and Access Control, Default Base Class Constructors, this and super keywords. Abstract Classes And Interfaces, Abstract Classes, Abstract Methods, Interfaces, What Is An Interface? How Is An Interface Different From An Abstract Class?, Multiple Inheritance, Default Implementation, Adding New Functionality, Method Implementation, Classes V/s Interfaces, Defining An Interface, Implementing Interfaces. **Packages:** Creating Packages, Default Package, Importing Packages, Using A Package. **Enumerations,Arrays:** Two Dimensional Arrays, Multi-Dimensional Arrays, Vectors, Adding Elements To A Vector, Accessing Vector Elements, Searching For Elements In A Vector, Working With The Size of The Vector. **Multithreading:** the thread control methods, thread life cycle, the main thread, creating a thread, extending the thread class.

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ruary	**Exceptions:** Catching Java Exceptions, Catching Run-Time Exceptions, Handling Multiple Exceptions, The finally Clause, The throws Clause **Byte streams:** reading console input, writing console output, reading file, writing file, writing binary data, reading binary data, getting started with character streams, writing file, reading file **Event Handling:** Delegation Event Model, Events, Event classes, Event listener interfaces, Using delegation event model, adapter classes and inner classes.
arch	**Abstract Window Toolkit:** Window Fundamentals, Component, Container, Panel, Window, Frame, Canvas.Components – Labels, Buttons, Check Boxes, Radio Buttons, Choice Menus, Text Fields, Text, Scrolling List, Scrollbars, Panels, Frames **Layouts:** Flow Layout, Grid Layout, Border Layout, Card Layout.

s and References:

o.	Title	Author/s	Publisher	Edition	Year
	Core Java 8 for Beginners	Vaishali Shah, Sharnam Shah	SPD	1st	2015
	Java: The Complete Reference	Herbert Schildt	McGraw Hill	9th	2014
	Murach's beginning Java with Net Beans	Joel Murach , Michael Urban	SPD	1st	2016

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S.Y.B.Sc.IT-SEM III

SUBJECT: Database Management System

Topics to be Covered

Month	
JUNE	**UNIT I: Introduction to Databases and Transactions:** What is database system, purpose of database system, view of data, relational databases, database architecture, transaction management **Data Models** The importance of data models, Basic building blocks, Business rules, The evolution of data models, Degrees of data abstraction. Database Design,ER Diagram and Unified Modeling Language **Database design and ER Model**: overview, ER Model, Constraints, ERDiagrams, ERD Issues, weak entity sets, Codd's rules, Relational Schemas, Introduction to UML **UNIT II: Relational database model**: Logical view of data, keys, integrity rules, Relational Database design: features of good relational database design, atomic domain and Normalization (1NF, 2NF, 3NF, BCNF). **[TM:CHALK & TALK,PPT,VIDEO,PRACTICAL]**
JULY	**UNIT II: Relational Algebra and Calculus Relational algebra:** introduction, Selection and projection, set operations, renaming, Joins, Division, syntax, semantics. Operators, grouping and ungrouping, relationalcomparison. **Calculus:** Tuple relational calculus, Domain relational Calculus, calculus vs algebra, computational capabilities **UNIT III: Constraints, Views and SQL Constraints:** types of constrains, Integrity constraints Views: Introduction to views, data independence, security, updates on views, comparison between tables and views SQL: data definition, aggregate function, Null Values, nested sub queries, Joins relations. Triggers. **[TM:CHALK & TALK,PPT,PRACTICAL]**
AUGUST	**UNIT IV: Transaction management and Concurrency Control:** Transaction management: ACID properties, serializability and concurrency control, Lock based concurrency control (2PL, Deadlock), Time stamping methods, optimistic methods, database recovery management. **[TM:CHALK & TALK,PPT,PRACTICAL]**
SEPTEMBER	**UNIT V: PL-SQL:** Beginning with PL / SQL, Identifiers and Keywords, Operators, Expressions, Sequences, Control Structures, Cursors and Transaction, Collections and composite data types, Procedures and Functions, Exceptions Handling, Packages, With Clause and Hierarchical Retrieval, Triggers. **[TM:CHALK & TALK,PPT,PRACTICAL]**

Course Outcome:

1. To describe a sound introduction to the discipline of database management systems and explain the features of database management systems and Relational database.

2. To give a good formal foundation on the relational model of data and usage of Relational Algebra. Design conceptual models of a database using ER modeling for real life applications and also construct queries in Relational Algebra.

3. To introduce the concepts of basic SQL as a universal Database language. Create and populate a RDBMS for a real life application, with constraints and keys, using SQL.

4. To enhance knowledge with examples of various transaction management and recovery concepts .Retrieve any type of information from a data base by formulating complex queries in SQL.

5. To demonstrate the principles behind systematic database design approaches by covering conceptual design, logical design through normalization. Analyze the existing design of a database schema and apply concepts of normalization to design an optimal database.

6. To provide an overview of PL/SQL and to introduce student with basic implementation of PL/SQL.

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Month	S.Y.B.Sc.IT – Semester III	Subject Name: Mobile Programming Practical
June-2018	Practical 1 ➢ Creating and building simple "Hello World" App using Cordova ➢ Adding and Using Buttons ➢ Adding and Using Event Listeners	
July- 2018	Practical 2 ➢ Creating and Using Functions ➢ Using Events ➢ Handling and using Back Button Practical 3 ➢ Installing and Using Plugins ➢ Installing and Using Battery Plugin ➢ Installing and Using Camera Plugin Practical 4 ➢ Installing and Using Contacts Plugin ➢ Installing and Using Device Plugin ➢ Installing and Using Accelerometer Plugin Practical 5 ➢ Install and Using Device Orientation plugin ➢ Install and Using Device Orientation plugin ➢ Create and Using Prompt Function	
August-2018	Practical 6 ➢ Installing and Using File Plugin ➢ Installing and Using File Transfer Plugin ➢ Using Download and Upload functions Practical 7 ➢ Installing and Using Globalization Plugin ➢ Installing and Using Media Plugin ➢ Installing and Using Media Capture Plugin Practical 8 ➢ Installing and Using Network Information Plugin ➢ Installing and Using Splash Screen Plugin ➢ Installing and Using Vibration Plugin	
September - 2018	Practical 9 ➢ Developing Single Page Apps ➢ Developing Multipage Apps ➢ Storing Data Locally in a Cordova App Practical 10 ➢ Use of sqlite plugin with Phone Gap /apache Cordova ➢ Using Sqlite read/write and search ➢ Populating Cordova SQLite storage with the JQuery API	

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Month	F.Y.B.Sc.IT – Semester I Subject Name: Operating System
July-2018	**Unit I : Introduction(Chalk and Talk)** What is an operating system? History of operating system, computer hardware, different operating systems, operating system concepts, System calls, operating system structure. **Processes and Threads:** Processes, threads, interprocess communication, scheduling, IPC Problems. **II Memory Management(Chalk and Talk, Video)** No memory abstraction, memory abstraction: address spaces, virtual memory, and page replacement algorithms, design issues for paging Systems, implementation issues, and segmentation. **File Systems: (Chalk and Talk, Video)** Files, directories, file system implementation, file-system management and optimization, MS-DOS file system, UNIX V7 file system, CD ROM file system.
August-2018	**Unit II :Memory Management: (Chalk and Talk, Video ,PDF)** No memory abstraction, memory abstraction: address spaces, virtual memory, and page replacement algorithms, design issues for paging Systems, implementation issues, and segmentation. **File Systems: (Chalk and Talk, Video)** Files, directories, file system implementation, file-system management and optimization, MS-DOS file system, UNIX V7 file system, CD ROM file system. **Unit III : Input-Output: (Chalk and Talk, Video)** Principles of I/O hardware, Principles of I/O software, I/O software layers, disks, clocks, user interfaces: keyboard, mouse, monitor, thin clients, power management, **Deadlocks: (Chalk and Talk, Video)** Resources, introduction to deadlocks, the ostrich algorithm, deadlock detection and recovery, deadlock avoidance, deadlock prevention, Issues.
September -2018	**Unit IV : Virtualization and Cloud: (Chalk and Talk, Video)** History, requirements for virtualization, type 1 and 2 hypervisors, techniques for efficient virtualization, hypervisor microkernels, memory virtualization, I/O virtualization, Virtual appliances, virtual machines on multicore CPUs, Clouds. **Multiple Processor Systems (Chalk and Talk, Video)** Multiprocessors, multicomputer, distributed systems
October-2018	**Unit V: Case Study on LINUX and ANDROID: (Chalk and Talk, Video, Flip Classroom)** History of Unix and Linux, Linux Overview, Processes in Linux, Memory management in Linux, I/O in Linux, Linux file system, Security in Linux. Android **Case Study on Windows: (Chalk and Talk, Video)** History of windows through Windows 10, programming windows, system structure, processes and threads in windows, memory management, caching in windows, I/O in windows, Windows NT file System, Windows power management, Security in window

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Course Outcome

1. To understand the role of an operating system and main components of an OS & their functions.

2. To study the process management and scheduling.

3. To understand various issues in Inter Process Communication (IPC) and the role of OS in IPC.

4. To understand the file system and its various types.

5. To understand the concepts and implementation Memory management policies and virtual memory.

6. To understand the working of an OS as a resource manager, file system manager, process manager, memory manager and I/O manager and methods used to implement the different parts of Operating system.

7. To understand the concept of deadlock in operating system.

8. To understand the concept of multiprocessor, multicomputer and distributed system.

9. To understand the concept of virtualization and basics of cloud storage and its features.

10. To study the need for special purpose operating system with the advent of new emerging technologies and case study on android, windows and Linux operating system.

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

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Semester / Term Syllabus Planning

Month	T.Y.B.Sc.IT – Semester VI	Subject Name: Business Intelligence
December-2019	**Unit I : (Chalk and Talk)** **Business intelligence**: Effective and timely decisions, Data, information and knowledge, The role of mathematical models, Business intelligence architectures, Ethics and business intelligence. **Decision support systems**: Definition of system, Representation of the decision-making process, Evolution of information systems, Definition of decision support system, Development of a decision support system. **Unit II: Mathematical models for decision making**: Structure of mathematical models, Development of a model, Classes of models.	
January-2020	**Unit II : (Chalk and Talk)** **Data mining**: Definition of data mining, Representation of input data, Data mining process, Analysis methodologies. **Data preparation**: Data validation, Data transformation, Data reduction. **Unit III (Chalk and Talk, PPT)** **Classification**: Classification problems, Evaluation of classification models, Bayesian methods, Logistic regression, Neural networks, Support vector machines **Clustering**: Clustering methods, Partition methods, Hierarchical methods, Evaluation of clustering models	
February-2020	**Unit IV : Business intelligence applications: (Chalk and Talk, Video)** **Marketing models:** Relational marketing, Sales force management, Logistic and production models: Supply chain optimization, Optimization models for logistics planning, Revenue management systems. **Data envelopment analysis**: Efficiency measures, Efficient frontier, The CCR model, Identification of good operating practices **Unit V: Knowledge Management**: Introduction to Knowledge Management, Organizational Learning and Transformation, Knowledge Management Activities, Approaches to Knowledge Management, Information Technology (IT) In Knowledge Management, Knowledge Management Systems Implementation, Roles of People in Knowledge Management	

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Month	Topics to be covered
March-2020	**Unit V: Artificial Intelligence and Expert Systems: (Chalk and Talk, Flipped class)** Concepts and Definitions of Artificial Intelligence, Artificial Intelligence Versus Natural Intelligence, Basic Concepts of Expert Systems, Applications of Expert Systems, Structure of Expert Systems, Knowledge Engineering and Development of Expert.

Business Intelligence- SEM 6 T.Y.B.Sc.IT

Course Outcome

1. To make student familiarize with concepts and various mathematical model related to business intelligences and decision support systems.
2. To demonstrate concept of decision making process and decision support system.
3. Demonstrate an understanding of the importance of data mining and the principles of business intelligence
4. Organize and prepare the data needed for data mining using pre preprocessing techniques
5. To demonstrate the concept of classification and clustering of data and to also make students familiarize with various methods for classification and clustering.
6. To learn data warehouses, design methods (dimension modeling), data extracting, transforming and loading processes and OLAP systems.
7. To demonstrate various applications of business intelligence and identification of good operating practices.
8. To demonstrate the use of logistics and production models.
9. To demonstrate the knowledge management and role of people in knowledge management.
10. To demonstrate the Concepts and Definitions of Artificial Intelligence and Expert system.

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Month	M.Sc.IT – Semester IV	Subject Name: Computer Forensics
January-2020	**Unit I :** Computer Forensics and Investigation Processes, Understanding Computing Investigations, The Investigator's Office and Laboratory, Data Acquisitions **Unit II :**Processing Crime and Incident Scenes, Working with Windows and DOS Systems, Current Computer Forensics Tools	
February-2020	**Unit III :**Macintosh and Linux Boot Processes and File Systems, Computer Forensics Analysis, Recovering Graphics Files. **Unit IV :** Virtual Machines, Network Forensics, and Live Acquisitions, E mail Investigations Cell Phone and Mobile Device Forensics	
March-2020	**Unit V :** Report Writing for High-Tech Investigations Expert Testimony in High-Tech Investigations Ethics and High-Tech Investigations	

Course Outcome for Computer Forensic

- Define and discuss the concepts of computer forensics.
- Explain the career of a computer forensics professional.
- Explain and apply the concepts of computer investigations.
- Setup and operate in an investigator's office and laboratory.
- Select and apply current computer forensics tools.
- Identify and apply current practices for processing crime and incident scenes.
- Explain and apply digital evidence controls.
- Explain and perform forensic analysis in various operating system environments.
- Explain the boot processes and disk structures of various operating system environments.
- Identify and apply current practices for data discovery recovery and acquisition.
- Conduct basic computer forensic analysis.
- Demonstrate the recovery of image files.
- Conduct basic network forensic analysis.
- Perform e-mail investigations.
- Act as expert witness and report results of investigations.
- Explain how to conduct a digital forensics investigation, including the concept of the chain of evidence.
- Report findings from digital forensic investigations.
- Perform recovery of digital evidence from various digital devices using a variety of software utilities.

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Semester / Term Syllabus Planning

T.Y.B.Sc. IT - Semester V	
Subject : Advanced Web Programming	
Month	**Topics to Be Covered**
JUNE-19	**Introducing .NET**: The .NET Framework, C#, VB, and the .NET Languages, The Common Language Runtime, The .NET Class Library. (**TM** : PPT) **The C# Language**: C# Language Basics, Variables and Data Types, Variable Operations, Object-Based Manipulation, Conditional Logic, Loops, Methods. **Types, Objects, and Namespaces**: The Basics About Classes, Building a Basic Class, Value Types and Reference Types, Understanding Namespaces and Assemblies, Advanced Class Programming. (**TM** :Concept Map)
JULY-19	**Web Form Fundamentals:** Writing Code, Using the Code-Behind Class, Adding Event Handlers, Understanding the Anatomy of an ASP.NET Application, Introducing Server Controls, Using the Page Class, Using Application Events, Configuring an ASP.NET Application.(**TM** : PPT) **Form Controls:** Stepping Up to Web Controls, Web Control Classes, List Controls, Table Controls, Web Control Events and AutoPostBack, Validation, Understanding Validation, Using the Validation Controls, Rich Controls, The Calendar, The AdRotator, Pages with Multiple Views, User Controls and Graphics, User Controls, Dynamic Graphics, The Chart Control, Website **Navigation**: Site Maps, URL Mapping and Routing, The SiteMapPath Cont... The TreeView Control, The Menu Control.(**TM** : Concept Map)
AUGUST-19	**Error Handling, Logging, and Tracing** : Avoiding Common Errors, Understanding Exception Handling, Handling Exceptions, Throwing Your Own Exceptions, Using Page Tracing(**TM** : PPT) **State Management** : Understanding the Problem of State, Using View State, Transferring Information Between Pages, Using Cookies, Managing Session State, Configuring Session State, Using Application State, Comparing State Management Options(**TM** : Concept Map) **Styles, Themes, and Master Pages** : Styles, Themes, Master Page Basics, Advanced Master Pages(**TM** : Practical Demonstration)
SEPTEMBER-19	**ADO.NET Fundamentals:** Understanding Databases, Configuring Your Database, Understanding SQL Basics, Understanding the Data Provider Model, Using Direct Data Access, Using Disconnected Data Access (**TM** : PPT) **Data Binding:** Introducing Data Binding, Using Single-Value Data Binding, Using Repeated-Value Data Binding, Working with Data Source Controls **The Data Controls**: The GridView, Formatting the GridView, Selecting a GridView Row, Editing with the GridView, Sorting and Paging the GridView, Using GridView Templates, The DetailsView and FormView(**TM** : Concept Map)
OCTOBER-19	**XML:** XML Explained, The XML Classes, XML Validation, XML Display and Transforms.(**TM** : Concept Map) **Security Fundamentals:** Understanding Security Requirements, Authentication and Authorization, Forms Authentication, Windows Authentication.(**TM** : PPT) **ASP.NET AJAX:** Understanding Ajax, Using Partial Refreshes, Using Progress Notification, Implementing Timed Refreshes, Working with the ASP.NET AJAX Control Toolkit.(**TM** : Concept Map)

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Semester / Term Syllabus Planning

Advanced Web Programming: Course Outcome

On successful completion of this course, student should be able to:

- Learn about MS.NET framework developed by Microsoft.
- Use the features of .NET Framework along with the features of C#.
- Be able to understand use of C# basics, Objects and Types, Inheritance.
- Create Web forms and use Web controls.
- Design the web pages using Styles, Themes, and Master Pages.
- Make use of ADO .Net for Application and Database Connectivity.
- Use XML in C#.NET for Application Development and for Data Connectivity.
- Use AJAX with C# and ASP .NET for improving performance of Web Application.
- To develop, implement and creating Web Applications with C# & ASP .NET.

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

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Semester / Term Syllabus Planning

M. Sc. IT - Semester I	
Subject : Research in Computing	
Course Outcome : • To be able to conduct business research with an understanding of all the latest theories. • To develop the ability to explore research techniques used for solving any real world or innovate problem.	
Month	**Topics to Be Covered**
September-19	**Introduction**: Role of Business Research, Information Systems and Knowledge Management, Theory Building, Organization ethics and Issues **(TM : Case Study)**
October-19	**Beginning Stages of Research Process:** Problem definition, Qualitative research tools, Secondary data research **(TM : Case Study)** **Research Methods and Data Collection:** Survey research, communicating with respondents, Observation methods, Experimental Research **(TM : Presentation, Video)**
November-19	**Measurement Concepts, Sampling and Field work:** Levels of Scale measurement, attitude measurement, questionnaire design, sampling designs and procedures, determination of sample size**(TM : Case Study)**
December-19	**Data Analysis and Presentation:** Editing and Coding, Basic Data Analysis, Univariate Statistical Analysis and Bivariate Statistical analysis and differences between two variables. Multivariate Statistical Analysis. **(TM : Presentation, Video & Practicals)**

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Semester / Term Syllabus Planning

M. Sc. IT Part -II ---- Semester 4

Subject : IT Infrastructure Management

Course Outcome:

- Use the ITIL terminology
- Understand the ITIL processes needed in your IT department
- Identify the sub-activities for each best practice process
- Understand your role and responsibilities regarding IT Service Management
- Understand aspects of implementing ITIL processes and creating a cycle of continuous improvement.

Month	Topics to Be Covered
JANAURY-20	**Introduction:** The four perspectives (attributes) of IT service management, benefits of IT service management, business and IT alignment, What is ITIL?, What are services?, Service Management as a practice, Concept of a Service, Concept of Service Management, Functions and Processes, (**Group Discussion & PPT**) **The Service Lifecycle:** Mapping the Concepts of ITIL to the Service Lifecycle, How does the Service Lifecycle work?
FEBRUARY-20	**Service Strategy:** Objectives, Creating Service Value, Service Packages and Service Level Packages, Service Strategy Processes, Service Portfolio Management, Financial Management, Demand Management, Summary (**Presentation by students on relevant topics**) **Service Design:** Objectives, Major Concepts, Five Major Aspects of Service Design, Service Design Packages, Service Design Processes, Service Level Management, Supplier Management, Service Catalogue Management, Capacity Management, Availability Management, IT Service Continuity Management, Information Security Management, Service Design Scenario (**PPT and Video**)
MARCH-20	**Service Transition:** Objectives, Service Transition Processes, Knowledge Management, Service Asset and Configuration Management, Change Management, Release and Deployment Management, Service Validation and Testing, Service Transition Summary, Service Transition Scenario (**PPT and Video**)
APRIL-20	**Service Operation:** Objectives, Major Concepts, Service Operation Functions, The Service Desk, Technical Management, IT Operations Management, Application Management, Service Operation Processes, Event Management, Incident Management, Problem Management, Request Fulfillment, Access Management, (**Field Visit**) **Continual Service Improvement:** Objectives, Major Concepts Continual Service Improvement Processes, Service Level Management, Service Measurement and Reporting , CSI (7 Step) Improvement Process, Continual Service Improvement Summary, Continual Service Improvement Scenario, Service Level Management Service Measurement and Reporting, CSI Process (**PPT**)

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Semester / Term Syllabus Planning

T.Y.B.Sc. IT - Semester VI

Subject : IT Services Management

Course Outcome:

- Use the ITIL terminology
- Understand the ITIL processes needed in your IT department
- Identify the sub-activities for each best practice process
- Understand your role and responsibilities regarding IT Service Management
- Understand aspects of implementing ITIL processes and creating a cycle of continuous improvement.

Month	Topics to Be Covered
DECEMBER-19	**IT Service Management:** Introduction, Business Process, Principles of Service management: Specialization and Coordination, The agency principle, Encapsulation, Principles of systems, The service Life Cycle, **Service Strategy Principles:** Value creation, Assets, Provider Service Structures, and Principles. (**Group Discussion & PPT**) **Service Strategy:** Define the market, Develop the offerings, Develop Strategic Assets, Prepare for execution. (**Case Study**) **Challenges, Critical Success factors and risks:** Complexity, Coordination and Control, Preserving value, Effectiveness in measurement, Risks. (**Group Discussion & PPT**)
JANAURY-20	**Service Design:** Fundamentals, **Service Design Principles:** Balanced Design, Identifying Service requirements, identifying and documenting business requirements and drivers, Activities, Aspects, Subsequent Design Activities, Constraints, Service oriented architecture, BSM **Service Design Processes:** Catalogue Management, Service Level Management, Capacity Management, Availability Management, IT Service Continuity Management, Information Security Management, Supplier Management(**Group Discussion & PPT**) **Challenges, Critical Success factors and risks:** Challenges, Risks
FEBRUARY-20	**Service Transition:** Fundamentals, **Service Transition Principles:** Principles Supporting Service Transition, Policies for Service Transition **Service Transition Processes:** Transition planning and support, Change Management, Service Asses Configuration Management, Service and Deployment Management, Service Validation and Testing, Evaluation, Knowledge Management. (**Video & PPT**) **Challenges, Critical Success factors and risks:** Challenges, Critical Success factors, Risks, Service Transition under difficult Conditions.
MARCH-20	**Service Operation:** Fundamentals, **Service Operation Principles:** Functions, groups, teams, departments and divisions, achieving balance in service operations, Providing service, Operation staff involvement in service design and service transition, Operational Health, Communication, Documentation (**Video & PPT**) **Service Operation Processes:** Event Management, Incident Management, Request fulfilment, Problem Management, Access Management, Operational activities of processes covered in other lifecycle phases. (**PPT**) **Challenges, Critical Success factors and risks:** Challenges, Critical Success factors, Risks (**PPT**)

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Semester / Term Syllabus Planning

Month	Topics to be covered
APRIL-20	**Continual Service Improvement(CSI) Principles:** CSI Approach, CSI and organizational change, Ownership, CSI register, External and Internal drivers, Service level management, Knowledge management, The Deming cycle, Service Measurement, IT governance, Frameworks, models, standards and quality Systems, CSI inputs and outputs. **CSI Process:** The seven-step improvement process. **(Case Study)** **CSI Methods nad Techniques:** Methods and techniques, Assessments, benchmarking, Service Measurement, Metrics, Return on Investment, Service reporting, CSI and other service management processes, **Organizing for CSI:** Organizational development, Functions, roles, Customer Engagement, Responsibility model - RACI, Competence and training. **(Case Study)** **Technology considerations:** Tools to support CSI activities. **Implementing CSI:** Critical Considerations for implementing CSI, The start, Governance, CSI and organizational change, Communication Strategy and Plan **(PPT and Case Study)**

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S.Y.B.Sc.I.T Div A &B-Sem – III(2019-20) Teaching Plan

Subject: - Computer Networks

Month	Topics to be covered
Jun 2019	**Unit-I** **Introduction:** Data communications, networks, network types, Internet history, standards and administration. **Network Models:** Protocol layering, TCP/IP protocol suite, The OSI model. **Introduction to Physical layer:** Data and signals, periodic analog signals, digital signals, transmission impairment, data rate limits, performance. **Digital and Analog transmission:** Digital-to-digital conversion, analog-to-digital conversion, transmission modes, digital-to-analog conversion, analog-to-analog conversion. **Unit - II** **Bandwidth Utilization: Multiplexing and Spectrum Spreading:** Multiplexing, Spread Spectrum **Transmission media:** Guided Media, Unguided Media (PPT)
July 2019	**Switching:** Introduction, circuit switched networks, packet switching, structure of a switch. **Introduction to the Data Link Layer:** Link layer addressing, Data Link Layer Design Issues, Error detection and correction, block coding, cyclic codes, checksum, forward error correction, error correcting codes, error detecting codes. **Unit –III** **Data Link Control:** DLC services, data link layer protocols, HDLC, Point-to-point protocol. (Problems Solving/ PPT / Audio- Video technique for network configuration Practical) **Media Access Control**: Random access, controlled access, channelization, Wired LANs – Ethernet Protocol, standard ethernet, fast ethernet, gigabit ethernet, 10 gigabit ethernet, **Wireless LANs:** Introduction, IEEE 802.11 project, Bluetooth, WiMAX, Cellular telephony, Satellite networks. **Connecting devices and Virtual LANs.**
Aug 2019	**Unit-IV** **Introduction to the Network Layer**: Network layer services, packet switching, network layer performance, IPv4 addressing, forwarding of IP packets, Internet Protocol, ICMPv4, Mobile IP, transition from IPv4 to IPv6. **Unicast Routing:** Introduction, routing algorithms, unicast routing protocols. **Next generation IP:** IPv6 addressing, IPv6 protocol, ICMPv6 protocol, transitio Unit – V **Introduction to the Transport Layer**: Introduction, Transport layer protocols (Simple protocol, Stop-and-wait protocol, Go-Back-n protocol, Selective repeat protocol, Bidirectional protocols),
Sep 2019	Transport layer services, User datagram protocol, Transmission control protocol, **Standard Client0Server Protocols:** World wide-web and HTTP, FTP, Electronic mail, Telnet, Secured Shell, Domain name system.

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Semester / Term Syllabus Planning

Course: Computer Networks (Class –S.Y.B.Sc.I.T Sem-III)

Course outcome:

The students will be able to:

- Familiarize with the basic protocols of computer networks, and how they can be used to assist in network design and implementation.
- Understand the concept of subnetting and routing mechanisms in network configuration.
- Demonstrate and measure different network scenarios and their performance behavior.
- Design and setup a simple organization network using packet tracer simulator.

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F.Y.B.Sc.I.T Div B-Sem – I(2019-20) Teaching Plan
Subject: - Imperative Programming

Month	Topics to be covered
Jun 2019	**Unit I: Introduction:** Types of Programming languages, History, features and application. Simple pro logic, program development cycle, pseudocode statements and flowchart symbols, sentinel value to program, programming and user environments, evolution of programming models., desirable pro characteristics. **Fundamentals:** Structure of a program. Compilation and Execution of a Program, Character Set, ident and keywords, data types, constants, variables and arrays, declarations, expressions, statements, Va definition, symbolic constants**(PPT)**
July 2019	**Unit II: Operators and Expressions:** Arithmetic operators, unary operators, relational and logical oper assignment operators, assignment operators, the conditional operator, library functions. **Data Input output:** Single character input and output, entering input data, scanf function, printf function, gets and functions, interactive programming. **Unit III: Conditional Statements and Loops:** Decision Making Within A Program, Conditions, Relat Operators, Logical Connectives, If Statement, If-Else Statement, Loops: While Loop, Do While, For L Nested Loops, Infinite Loops, Switch Statement (PPT) **Functions:** Overview, defining a function, accessing a function, passing arguments to a function, speci argument data types, function prototypes, recursion,
Aug 2019	modular programming and functions, standard library of c functions, prototype of a function: paramete return type, function call, block structure, passing arguments to a function: call by reference, call by value **Unit IV: Program structure:** Storage classes, automatic variables, external variables, static vari multifile programs, more library functions, Preprocessor: Features, #define and #include, **Directives Macros Arrays:** Definition, processing, passing arrays to functions, multidimensional arrays, array strings
Sep 2019	**Unit V: Pointers:** Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Poin Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers, Poin Arrays, passing functions to other functions **Structures and Unions:** Structure Variables, Initialization, Structure Assignment, Nested Structu Structures and Functions, Structures and Arrays: Arrays of Structures, Structures Containing Arrays, Union Structures and pointers.

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Semester / Term Syllabus Planning

Course: Imperative Programming (Class –F.Y.B.Sc.I.T Sem-I)

Course outcome:

The students will be able to:

- Understand the fundamental aspects of C language.
- Develop the ability to analyze a problem, develop an algorithm to solve it.
- Logically understand the grammatical changes in the program according to the modification in the program statements.
- Familiarize the basic aspects of arrays, structure and file handling.

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Semester / Term Syllabus Planning

M.Sc.I.T Part-II Sem-III (2019-20) **Subject: -Information Security Management**

Teaching Plan

July 2019	**Unit-I** - Security Risk Assessment and Management: Introduction to Security Risk Management. Reactive and proactive approaches to risk management. Risk assessment, quantitative and qualitative approaches and asset classification - Security Assurance Approaches: Introduction to OCTAVE and COBIT approaches **Unit –II** - Security Management of IT Systems: Network security management. Firewalls, IDS and IPS configuration management. Web and wireless security management. General server configuration guidelines and maintenance. Information Security Management Information classification. Access control models, role-based and lattice models.
Aug 2019	Mandatory and discretionary access controls. Linux and Windows case studies. Technical controls, for authentication and confidentiality. Password management and key management for users. Case study: Kerberos. **Unit – III-** Key Management in Organizations: Public-key Infrastructure. PKI Applications, secure email case study(S/ MIME or PGP). Issues in public-key certificate issue and lifecycle management - Management of IT Security Infrastructure; Computer security log management, malware handling and vulnerability management programs. Specifying and enforcing security policies.
Sept 2019	**Unit –IV** - Auditing and Business continuity Planning: Introduction to information security audit and principles of audit. Business continuity planning and disaster recovery. Case study: 9/11 tragedy. Backup and recovery techniques for applications and storage.Auditing and Business continuity Planning: Introduction to information security audit and principles of audit. Business continuity planning and disaster recovery. Case study: 9/11 tragedy. Backup and recovery techniques for applications and storage. **Unit – V -** Computer forensics: techniques and tools.
Oct 2019	Audit Tools: NESSUS and NMAP. Information Security Standards and Compliance: Overview of ISO 17799 Standard. Legal and Ethical issues.

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Semester / Term Syllabus Planning

Course: Information Security ?Management (M.Sc.I.T Part – II Sem – III)

Course outcome:

The students will be able to:

- Understand the concepts of security from a management perspective.
- Get the idea about the security needs by identifying security threats and vulnerabilities in the systems.
- Come to know about few Legal and ethical implications of security management
- Be aware of risk assessment of networking systems in various level.

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

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Semester / Term Syllabus Planning

T.Y.B.Sc.I.T (A+B) Sem – VI (2019-20)	Subject: - Security in Computing
Dec 2019	**Unit-I -- Information Security Overview** : The Importance of Information Protection, The Evolution of Information Security, Justifying Security Investment, Security Methodology, How to Build a Security Program, The Impossible Job, The Weakest Link, Strategy and Tactics, Business Processes vs. Technical Controls. **(PPT)**
Jan 2020	**Risk Analysis**: Threat Definition, Types of Attacks, Risk Analysis. **Secure Design Principles**: The CIA Triad and Other Models, Defense Models, Zones of Trust, Best Practices for Network Defense. **Unit-II - Authentication and Authorization**: Authentication, Authorization **Encryption**: A Brief History of Encryption, Symmetric-Key Cryptography, Public Key Cryptography, Public Key Infrastructure. **Storage Security**: Storage Security Evolution, Modern Storage Security, Risk Remediation, Best Practices. **Database Security**: General Database Security Concepts, Understanding Database Security Layers, Understanding Database-Level Security, Using Application Security, Database Backup and Recovery, Keeping Your Servers Up to Date, Database Auditing and Monitoring. **Unit – III -Secure Network Design**: Introduction to Secure Network Design, Performance, Availability, Security. **Network Device Security**: Switch and Router Basics, Network Hardening. **(PPT)**
Feb 2020	**Firewalls**: Overview, The Evolution of Firewalls, Core Firewall Functions, Additional Firewall Capabilities, Firewall Design. **Wireless Network Security**: Radio Frequency Security Basics, Data-Link Layer Wireless Security Features, Flaws, and Threats, Wireless Vulnerabilities and Mitigations, Wireless Network Hardening Practices and Recommendations, Wireless Intrusion Detection and Prevention, Wireless Network Positioning and Secure Gateways. **Unit – IV -Intrusion Detection and Prevention Systems**: IDS Concepts, IDS Types and Detection Models, IDS Features, IDS Deployment Considerations, Security Information and Event Management (SIEM). **Voice over IP (VoIP) and PBX Security**: Background, VoIP Components, VoIP Vulnerabilities and Countermeasures, PBX, TEM: Telecom Expense Management. **(PPT)**
Mar 2020	**Operating System Security Models**: Operating System Models, Classic Security Models, Reference Monitor, Trustworthy Computing, International Standards for Operating System Security. **Unit –V - Virtual Machines and Cloud Computing**: Virtual Machines, Cloud Computing. **Secure Application Design**: Secure Development Lifecycle, Application Security Practices, Web Application Security, Client Application Security, Remote Administration Security. **Physical Security**: Classification of Assets, Physical Vulnerability Assessment, Choosing Site Location for Security, Securing Assets: Locks and Entry Controls, Physical Intrusion Detection. (PPT)

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Semester / Term Syllabus Planning

S.Y.B.Sc.I.T (A) Sem – IV (2019-20)	Subject: - Software Engineering
Nov-2019	**Unit-I - Introduction:** What is software engineering? Software Development Life Cycle, Requirements Analysis, Software Design, Coding, Testing, Maintenance etc. **Software Requirements:** Functional and Non-functional requirements, User Requirements, System Requirements, Interface Specification, Documentation of the software requirements. **Software Processes:** Process and Project, Component Software Processes. **Software Development Process Models.** • Waterfall Model. • Prototyping. • Iterative Development. • Rational Unified Process. • The RAD Model • Time boxing Model. **(PPT)**
Dec 2019	**Agile software development**: Agile methods, Plan-driven and agile development, Extreme programming, Agile project management, Scaling agile methods. **Unit-II - Socio-technical system:** Essential characteristics of socio technical systems, Emergent System Properties, Systems Engineering, Components of system such as organization, people and computers, Dealing Legacy Systems.
Jan 2020	**Critical system:** Types of critical system, A simple safety critical system, Dependability of a system, Availability and Reliability, Safety and Security of Software systems. **Requirements Engineering Processes:** Feasibility study, Requirements elicitation and analysis, Requirements Validations, Requirements Management. **System Models:** Models and its types, Context Models, Behavioural Models, Data Models, Object Models, Structured Methods. **Unit-III - Architectural Design:** Architectural Design Decisions, System Organisation, Modular Decomposition Styles, Control Styles, Reference Architectures. **User Interface Design:** Need of UI design, Design issues, The UI design Process, User analysis, User Interface Prototyping, Interface Evaluation. **Project Management** Software Project Management, Management activities, Project Planning, Project Scheduling, Risk Management. **(PPT – Simulation videos for practical)Quality Management:** Process and Product Quality, Quality assurance and Standards, Quality Planning, Quality Control, Software Measurement and Metrics.
Feb 2020	**Unit-IV- Verification and Validation:** Planning Verification and Validation, Software Inspections, Automated Static Analysis, Verification and Formal Methods. **Software Testing:** System Testing, Component Testing, Test Case Design, Test Automation. **Software Measurement**: Size-Oriented Metrics, Function-Oriented Metrics, Extended Function Point Metrics **Software Cost Estimation:** Software Productivity, Estimation Techniques, Algorithmic Cost Modelling, Project Duration and Staffing **Unit-V- Process Improvement:** Process and product quality, Process Classification, Process Measurement, Process Analysis and Modeling, Process Change, The CMMI Process Improvement Framework. **(PPT) Service Oriented Software Engineering:** Services as reusable components, Service Engineering, Software Development with Services. **Software reuse:** The reuse landscape, Application frameworks, Software product lines, COTS product reuse.
Mar 2020	**Distributed software engineering**: Distributed systems issues, Client–server computing, Architectural patterns for distributed systems, Software as a service **(PPT)**

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Semester / Term Syllabus Planning

Course Outcome: Software Engineering (S.Y.B.Sc.I.T Sem – IV)

- Knowledge of basic SW engineering methods and practices, and their appropriate application.
- Describe software engineering layered technology and Process frame work.
- A general understanding of software process models such as the waterfall and evolutionary models.
- Understanding of software requirements and the SRS documents.
- Describe data models, object models, context models and behavioral models.
- Understanding of different software architectural styles.
- Understanding of approaches to verification and validation including static analysis, and reviews.

Course Outcome: Security in Computing (T.Y.B.Sc.I.T Sem – VI)

- Describe various communications networks and their main components.
- Develop a networking plan for yourself or a client.
- Distinguish and explain the concepts of: authentication; authorization, and attacks.
- Identify the function of a firewall, and how it keeps a computer secure and safe from viruses.
- Prepare a security plan for organization.

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Semester / Term Syllabus Planning

B. Sc. (Information Technology)	Semester – III
Course Name: Data Structures	Course Code: USIT302

Month	Topics
June	**Unit 1: Introduction:** Data and Information, Data Structure, Classification of Data Structures, Primitive Data Types, Abstract Data Types, Data structure vs. File Organization, Operations on Data Structure, Algorithm, Importance of Algorithm Analysis, Complexity of an Algorithm, Asymptotic Analysis and Notations, Big O Notation, Big Omega Notation, Big Theta Notation, Rate of Growth and Big O Notation. **Array**: Introduction, One Dimensional Array, Memory Representation of One Dimensional Array, Traversing, Insertion, Deletion, Searching, Sorting, Merging of Arrays, Multidimensional Arrays, Memory Representation of Two Dimensional Arrays, General Multi-Dimensional Arrays, Sparse Arrays, SparseMatrix, Memory Representation of Special kind of Matrices, Advantages and Limitations of Arrays. **TM: Chalk and Talk, PPTs, Videos, Practicals**
July	**Unit 2: Linked List:** Linked List, One-way Linked List, Traversal of Linked List, Searching, Memory Allocation and De-allocation, Insertion in Linked List, Deletion from Linked List, Copying a List into Other List, Merging Two Linked Lists, Splitting a List into Two Lists, Reversing One way linked List, Circular Linked List, Applications of Circular Linked List, Two way Linked List, Traversing a Two way Linked List, Searching in a Two way linked List, Insertion of an element in Two way Linked List, Deleting a node from Two way Linked List, Header Linked List, Applications of the Linked list, Representation of Polynomials, Storage of Sparse Arrays, Implementing other Data Structures. **Unit 3: Stack**: Introduction, Operations on the Stack Memory Representation of Stack, Array Representation of Stack, Applications of Stack, Evaluation of Arithmetic Expression, Matching Parenthesis, infix and postfix operations, Recursion. **Queue:** Introduction, Queue, Operations on the Queue, Memory Representation of Queue, Array representation of queue, Linked List Representation of Queue, Circular Queue, Some special kinds of queues, Deque, Priority Queue, Application of Priority Queue, Applications of Queues. **TM: Chalk and Talk, PPTs, Videos, Practicals**
August	**Unit 4: Sorting and Searching Techniques** Bubble, Selection, Insertion, Merge Sort. Searching: Sequential, Binary, Indexed Sequential Searches, Binary Search. **Tree:** Tree, Binary Tree, Properties of Binary Tree, Memory Representation of Binary Tree, Operations Performed on Binary Tree, Reconstruction of Binary Tree from its Traversals, Huffman Algorithm, Binary Search Tree, Operations on Binary Search Tree, Heap, Memory Representation of Heap, Operation on Heap, Heap Sort. **Advanced Tree Structures:** Red Black Tree, Operations Performed on Red Black Tree, AVL Tree, Operations performed on AVL Tree, 2-3 Tree, B-Tree. **Unit 5: Hashing Techniques** Hash function, Address calculation techniques, Common hashing functions Collision resolution, Linear probing, Quadratic,Double hashing, Buckethashing, Deletion and rehashing **TM: Chalk and Talk, PPTs, Videos, Practicals**
September	**Graph**: Introduction, Graph, Graph Terminology, Memory Representation of Graph, Adjacency Matrix Representation of Graph, Adjacency List or Linked Representation of Graph, Operations Performed on Graph, GraphTraversal, Applications of the Graph, Reachability, Shortest Path Problems, Spanning Trees. **TM: Chalk and Talk, PPTs, Videos, Practicals**

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Semester / Term Syllabus Planning

B. Sc. (Information Technology)	Semester – V
Course Name: Artificial Intelligence	Course Code: USIT504 (Elective I)

Month	Topics
June	**Introduction:** What is Artificial Intelligence? Foundations of AI, history, the state of art AI today. **Intelligent Agents:** agents and environment, good behavior, nature of environment, the structure of agents. **Solving Problems by Searching:** Problem solving agents, examples problems, searching for solutions, uninformed search, informed search strategies, heuristic functions.
July	**Beyond Classical Search:** local search algorithms, searching with non-deterministic action, searching with partial observations, online search agents and unknown environments. **Adversarial Search:** Games, optimal decisions in games, alpha-beta pruning, stochastic games, partially observable games, state-of-the-are game programs. **Logical Agents:** Knowledge base agents, The Wumpus world, logic, propositional logic, propositional theorem proving, effective propositional model checking, agents based on propositional logic.
August	**First Order Logic:** Syntax and semantics, using First Order Logic, Knowledge engineering in First Order Logic. **Inference in First Order Logic:** propositional vs. First Order, unification and lifting, forward and backward chaining, resolution. **Planning:** Definition of Classical Planning, Algorithms for planning as state space search, planning graphs, other classical planning approaches, analysis of planning approaches, Time, Schedules and resources, hierarchical planning, Planning and Acting in Nondeterministic Domains, multiagent planning,
September	**Knowledge Representation:** Categories and Objects, events, mental events and objects, reasoning systems for categories, reasoning with default information, Internet shopping world

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Semester / Term Syllabus Planning

Data Structures

1. Learn the notions of data structure, Abstract Data Type. Understand Big(O) notation and role of algorithm complexity in computing.
2. To evaluate various methods of array formulation. Also explore different kinds of array and their applications in day to day problem solving.
3. To evaluate various methods of linked list formulation. Also explore different kinds of linked lists and their applications in day to day problem solving.
4. To evaluate various methods stack formulation. Also explore different kind of stacks and their applications and implementations in day to day problem solving.
5. To evaluate various formulation of queues. Also explore different kind of queues and their applications and implementations in simulations.
6. To learn Sorting: Insertion sort, merge sort, Heaps and heap sort, Quick sort, Linear sort, priority queue, order statistics, lower bounds for sorting
7. To learn Searching
8. To learn Graph: representation and algorithms, Breadth-first search (BFS), Depth-first search (DFS), To explore hashing, and various implementations of searching and hashing algorithms.

Artificial Intelligence

1. To understand the basics of Artificial Intelligence, Intelligent Agents and its structure
2. To understand the problem solving by various searching techniques
3. To understand the concept of informed search and Exploration
4. To understand the concept of constraint satisfaction Problems and Adversarial Search
5. To understand what is Reasoning and Knowledge Representation
6. To understand the concept of Reasoning with Uncertainty & Probabilistic Reasoning
7. To understand the basic forms of Machine Learning, decision trees and statistical Learning

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Semester / Term Syllabus Planning

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

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Semester / Term Syllabus Planning

B. Sc (Information Technology) Semester – II (2019-20)

Course Name: Green Computing

Month	Syllabus
November-December 2019	Overview and Issues:Problems: Toxins, Power Consumption, Equipment Disposal,Company's Carbon Footprint: Measuring, Details, reasons to bother, Plan for the Future, Cost Savings: Hardware, Power.Initiatives and Standards:Global Initiatives: United Nations, Basel Action Network, BaselConvention, North America: The United States, Canada,Australia,Europe, WEEE Directive, RoHS, National Adoption, Asia: Japan,China, Korea**(TM:Videos,Presentations by students,Case Studies)**
January 2020	Minimizing Power Usage:Power Problems, Monitoring Power Usage, Servers, Low-CostOptions, Reducing Power Use, Data De-Duplication, Virtualization, Management, Bigger Drives, Involving the Utility Company, LowPower Computers, PCs, Linux, Components, Servers, ComputerSettings, Storage, Monitors, Power Supplies, Wireless Devices,Software.Cooling, Economizers, On-Demand Cooling,HP's Solution, Optimizing Airflow, Hot Aisle/Cold Aisle, RaisedFloors, Cable Management, Vapour Seal, Behaviours, starting at the Top, Process Reengineering with Greenin Mind, Analysing the Global Impact of Local Actions, Steps: Water,Recycling, Energy, Pollutants, Teleworkers and Outsourcing,Telecommuting, Outsourcing, how to Outsource. **(TM:Videos,Presentations)**
February 2020	Going Paperless:Paper Problems, The Environment, Costs: Paper and Office, Practicality, Building an Intranet, Microsoft Office SharePoint Server 2007, Electronic Data Interchange (EDI), Nuts and Bolts, Value Added Networks, Advantages, Obstacles.Recycling:Problems, China, Africa, Materials, Means of Disposal, Recycling,Refurbishing, Make the Decision, Life Cycle, from beginning to end,Life, Cost, Green Design, Recycling Companies, Finding the Best One,Certification Programs, EPEAT, RoHS, Energy Star, Computers, Monitors, Printers, Scanners, All-in-Ones, Thin Clients, Servers, Blade Servers, Consolidation, Products, Hardware Considerations, Planned Obsolescence, Packaging, Toxins, Other Factors, Remote Desktop, Using Remote Desktop, Establishing a Connection**(TM:Videos,Presentations)**
March-April 2020	Greening Your Information Systems:Initial Improvement Calculations, Selecting Metrics, TrackingProgress, Change Business Processes, Customer Interaction, Paper Reduction, Green Supply Chain, Improve Technology Infrastructure,Reduce PCs and Servers, Shared Services, Hardware Costs, Cooling.Staying Green:Organizational Check-ups, Chief Green Officer, Evolution, Sell theCEO, SMART Goals, Equipment Check-ups, Gather Data, Trackingthe data, Baseline Data, Benchmarking, Analyse Data, Conduct Audits, Certifications, Benefits, Realities, Helpful Organizations. **(TM:Videos,Presentations)**

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Semester / Term Syllabus Planning

Green Computing Outcomes

Upon completion of the course, students should be able to:

- ✓ give an account of the concept green IT
- ✓ give an account of environmental perspectives on IT use
- ✓ give an account of standards and certifications related to sustainable IT products
- ✓ describe green IT in relation to technology
- ✓ relate green IT to sustainable development
- ✓ evaluate IT use in relation to environmental perspectives,
- ✓ discuss how the choice of hardware and software can facilitate a more sustainable operation,
- ✓ Use methods and tools to measure energy consumption.

F.Y.B.Sc.IT-SEM II	
SUBJECT: Object Oriented Programming	
Month	**Topics to be Covered**
November-December 2019	**UNIT I:** Object Oriented Methodology: Introduction, Advantages and Disadvantages of Procedure Oriented Languages, what is Object Oriented? What is Object Oriented Development? Object Oriented Themes, Benefits and Application of OOPS. Principles of OOPS: OOPS Paradigm, Basic Concepts of OOPS: Objects, Classes, Data Abstraction and Data Encapsulation, Inheritance, Polymorphism, Dynamic Binding, Message Passing**[TM:CHALK & TALK,PPT,VIDEO]**
January 2020	**UNIT II:** Classes and Objects: Simple classes (Class specification, class members accessing), Defining member functions, passing object as an argument, Returning object from functions, friend classes, Pointer to object, Array of pointer to object. **UNIT II:** Constructors and Destructors: Introduction, Default Constructor, Parameterized Constructor and examples, Destructors**[TM:CHALK & TALK,PPT,VIDEO]**
February 2020	**UNIT III:** Polymorphism: Concept of function overloading, overloaded operators, overloading unary and binary operators, overloading comparison operator, overloading arithmetic assignment operator, Data Conversion between objects and basic types. **UNIT IV:** Program development using Inheritance: Introduction, understanding inheritance, Advantages provided by inheritance, choosing the access specifier, Derived class declaration, derived class constructors, class hierarchies, multiple inheritance, multilevel inheritance, containership, hybrid inheritance. **[TM:CHALK & TALK,PPT,VIDEO]**
March-April 2020	**UNIT IV:** Exception Handling: Introduction, Exception Handling Mechanism, Concept of throw & catch with example.**UNIT V:** Templates: Introduction, Function Template and examples, Class Template and examples.Working with Files: Introduction, File Operations, Various File Modes, File Pointer and their Manipulation. **[TM:CHALK & TALK,PPT]**

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Semester / Term Syllabus Planning

Course Outcome

OBJECT ORIENTED PROGRAMMING WITH C++ [F.Y.B.Sc.IT SEM-II]

1.Designed meticulously to help students master the Object Oriented Programming skills in C++.

2. It covers basic topics like input/output streams, namespaces, classes and objects, constructors, function overloading, function overriding through to advanced topics such as Inheritance, Polymorphism, Templates, Exception handling, File handling etc,

3. It will be a stepping stone for learning other technologies like Java, Ios, Windows phone programming etc

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B.Sc.(Information Technology)	Semester-III
Course Name: Applied Mathematics	Course code: USIT 305

Teaching Methodology :

Month	Topic to be covered
June	**Unit 1:Matrices:** Inverse of a matrix, Properties of matrices, Elementary Transformation, Rank of Matrix, Echelon or Normal Matrix, Inverse of matrix, Linear equations, Linear dependence and linear independence of vectors, Linear transformation, Characteristics roots and characteristics vectors, Properties of characteristic vectors, Caley Hamilton Theorem, Similarity of matrices, Reduction of matrix to a diagonal matrix which has elements as characteristics values.
July	**Complex Numbers:** Complex number, Equality of complex numbers, Graphical representation of complex number(Argand's Diagram), Polar form of complex numbers, Polar form of x+iy for different signs of x,y, Exponential form of complex numbers, Mathematical operation with complex numbers and their representation on Argand's Diagram, Circular functions of complex angles, Definition of hyperbolic function, Relations between circular and hyperbolic functions, Inverse hyperbolic functions, Differentiation and Integration, Graphs of the hyperbolic functions, Logarithms of complex quality, j(=i)as an operator(Electrical circuits) **Unit 2:** Equation of the first order and of the first degree: Separation of variables, Equations homogeneous in x and y, Non-homogeneous linear equations, Exact differential Equation, Integrating Factor, Linear Equation and equation reducible to this form, Method of substitution. **Differential equation of the first order of a degree higher than the first:** Introduction, Solvable for p (or the method of factors), Solve for y, Solve for x, Clairaut's form of the equation, Methods of Substitution, Method of Substitution.
August	**Linear Differential Equations with Constant Coefficients:** Introduction, The Differential Operator, Linear Differential Equation f(D) y = 0, Different cases depending on the nature of the root of the equation f(D) = 0, Linear differential equation f(D) y = X, The complimentary Function, The inverse operator 1/f(D) and the symbolic expiration for the particular integral 1/f(D) X; the general methods, Particular integral : Short methods, Particular integral : Other methods, Differential equations reducible to the linear differential equations with constant coefficients. **Unit 3: The Laplace Transform:** Introduction, Definition of the Laplace Transform, Table of Elementary Laplace Transforms, Theorems on Important Properties of Laplace Transformation, First Shifting 12 13 Theorem, Second Shifting Theorem, The Convolution Theorem, Laplace Transform of an Integral, Laplace Transform of Derivatives. **Inverse Laplace Transform**: Shifting Theorem, Partial fraction Methods, Use of Convolution Theorem, Solution of Ordinary Linear Differential Equations with Constant Coefficients, Solution of Simultaneous Ordinary Differential Equations, Laplace Transformation of Special Function, Periodic Functions, Heaviside Unit Step Function, Dirac-delta Function (Unit Impulse Function).
September	**Unit 4:Multiple Integrals:** Double Integral, Change of the order of the integration, Double integral in polar co-ordinates, Triple integrals. **Applications of integration:** Areas, Volumes of solids. **Unit 5:**Beta and Gamma Functions – Definitions, Properties and Problems. Duplication formula. **Differentiation Under the Integral Sign** **Error Functions**

Books And References:

Sr.No.	Title	Author/s	Publisher
1.	A text book of Applied Mathematics Vol I	P. N. Wartikar and J. N. Wartikar	Pune VidyathiGraha
2.	Applied Mathematics II	P. N. Wartikar and J. N. Wartikar	Pune VidyathiGraha

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Semester / Term Syllabus Planning

B.Sc. (Information Technology): Programme Outcome

On completion of the B.Sc. (Information Technology) students are able to:

- Serve as Programmer or Software Engineer with sound knowledge of practical and theoretical concepts for developing software's.
- Serve as Computer Engineer with enhanced knowledge of computers and its building blocks.
- Work as System Engineer and System integrator
- Serve as System Administrator with thorough knowledge of DBMS.
- Give Technical Support for various systems.
- Work as Support Engineer and Technical Writer
- Work as Consultant and Management officers for system management.
- Work as IT Sales and Marketing person.
- Serve as IT Officer in Banks and other Financial Institutions.
- Serve as Web Designer with latest web development technologies.

Course Outcome

Course: USIT 305	Applied Mathematics (credits: 2, Lectures/ week: 4)

Expected Learning Outcomes:

1) Apply the matrix techniques to reduce the quadratic forms to canonical forms, finding solutions of systems of linear equations in the different areas of Linear Algebra.
2) Apply various methods of the differential equation to solve first-order linear ODE and its applications to various fields.
3) Apply ordinary differential equations to model engineering phenomena such as electrical circuits, forced oscillation of mass spring and elementary heat transfer.
4) Apply Laplace transform to determine general or complete solutions to linear ODE applications
5) Apply multiple integrals to find area, volume, mass and moment of inertia of plane and solid region.
6) Apply beta and gamma to solve definite integral

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Semester / Term Syllabus Planning

B.Sc.(Information Technology)	Semester-I
Course Name: Discrete Mathematics	Course code: USIT 104

Teaching Methodology : CHALK & TALK and PPT, REVERSE LEARNING

Month	Topic to be covered
July	**Unit 1: Introduction:** Variables, The Language of Sets, The Language of Relations and Function **Set Theory:** Definitions and the Element Method of Proof, Properties of Sets, Disproof's, Algebraic Proofs, Boolean Algebras, Russell's Paradox and the Halting Problem. **The Logic of Compound Statements:** Logical Form and Logical Equivalence, Conditional Statements, Valid and Invalid Arguments. **Unit 2:Quantified Statements:** Predicates and Quantified Statements, Statements with Multiple Quantifiers, Arguments with Quantified Statements
August	**Elementary Number Theory and Methods of Proof:** Introduction to Direct Proofs, Rational Numbers, Divisibility, Division into Cases and the Quotient-Remainder Theorem, Floor and Ceiling, Indirect Argument: Contradiction and Contraposition, Two Classical Theorems, Applications in algorithms. **Unit 3:Sequences, Mathematical Induction, and Recursion:** Sequences, Mathematical Induction, Strong Mathematical Induction and the Well-Ordering Principle for the Integers, Correctness of algorithms, defining sequences recursively, solving recurrence relations by iteration, Second order linear homogenous recurrence relations with constant coefficients. General recursive definitions and structural induction. **Functions:** Functions Defined on General Sets, One-to-One and Onto, Inverse Functions, Composition of Functions, Cardinality with Applications to Computability
September	**Unit 4: Relations:** Relations on Sets, Reflexivity, Symmetry, and Transitivity, Equivalence Relations, Partial Order Relations **Graphs and Trees:** Definitions and Basic Properties, Trails, Paths, and Circuits, Matrix Representations of Graphs, Isomorphism's of Graphs, Trees, Rooted Trees, Isomorphism's of Graphs, Spanning trees and shortest paths. **Unit 5: Counting and Probability**: Introduction, Possibility Trees and the Multiplication Rule, Possibility Trees and the Multiplication Rule, Counting Elements of Disjoint Sets:
October	The Addition Rule, The Pigeonhole Principle, Counting Subsets of a Set: Combinations, r-Combinations with Repetition Allowed, Probability Axioms and Expected Value, Conditional Probability, Bayes' Formula, and Independent Events.

Books And References:

Sr. No.	Title	Author/s	Publisher
1.	Discrete Mathematics with Applications	Sussana S. Epp	CengageLearning

Teacher Co-ordinator Principal

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Semester / Term Syllabus Planning

COURSE OUTCOME

Course: USIT 104	Discrete Mathematics (credits: 2, Lectures/ week: 4)

Objective:

The purpose of the course is to familiarize the prospective learners with mathematical structures that are fundamentally discrete. This course introduces sets and functions, forming and solving recurrence relations and different counting principles. These concepts are useful to study or describe objects or problems in computer algorithms and programming languages. ,

Expected Learning Outcomes:

1) To provide overview of theory of discrete objects, starting with relations and partially ordered sets.
2) Study about recurrence relations, generating function and operations on them.
3) Give an understanding of graphs and trees, which are widely used in software.
4) Provide basic knowledge about models of automata theory and the corresponding formal languages.

Teacher

Co-ordinator

Principal

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S.Y.B.Sc.IT – SEM-IV

Subject: Computer Oriented Statistical Techniques

Month	Topic to be covered
December	**Unit:1-** **The Mean, Median, Mode, and Other Measures of Central Tendency**: Index, or Subscript, Notation, Summation Notation, Averages, or Measures of Central Tendency ,The Arithmetic Mean , The Weighted Arithmetic Mean ,Properties of the Arithmetic Mean ,The Arithmetic Mean Computed from Grouped Data ,The Median ,The Mode, The Empirical Relation Between the Mean, Median, and Mode, The Geometric Mean G, The Harmonic Mean H ,The Relation Between the Arithmetic, Geometric, and Harmonic Means, The Root Mean Square, Quartiles, Deciles, and Percentiles, Software and Measures of Central Tendency. **The Standard Deviation and Other Measures of Dispersion**: Dispersion, or Variation, The Range, The Mean Deviation, The Semi-Interquartile Range, The 10–90 Percentile Range, The Standard Deviation, The Variance, Short Methods for Computing the Standard Deviation, Properties of the Standard Deviation, Charlie's Check, Sheppard's Correction for Variance, Empirical Relations Between Measures of Dispersion, Absolute and Relative Dispersion; Coefficient of Variation, Standardized Variable; Standard Scores, Software and Measures of Dispersion. **(CHALK & TALK , PPT)**
January	**Unit:2-** **Moments, Skewness, and Kurtosis** : Moments , Moments for Grouped Data ,Relations Between Moments , Computation of Moments for Grouped Data, Charlie's Check and Sheppard's Corrections, Moments in Dimensionless Form, Skewness, Kurtosis, Population Moments, Skewness, and Kurtosis, Software Computation of Skewness and Kurtosis. **Elementary Probability Theory**: Definitions of Probability, Conditional Probability; Independent and Dependent Events, Mutually Exclusive Events, Probability Distributions, Mathematical Expectation, Relation Between Population, Sample Mean, and Variance, Combinatorial Analysis, Combinations, Stirling's Approximation to n!, Relation of Probability to Point Set Theory, Euler or Venn Diagrams and Probability. **Elementary Sampling Theory** : Sampling Theory, Random Samples and Random Numbers, Sampling With and Without Replacement, Sampling Distributions, Sampling Distribution of Means, Sampling Distribution of Proportions, Sampling Distributions of Differences and Sums, Standard Errors, Software Demonstration of Elementary Sampling Theory **(CHALK & TALK , PPT)** **Unit:3-** **Statistical Estimation Theory**: Estimation of Parameters, Unbiased Estimates, Efficient Estimates, Point Estimates and Interval Estimates; Their Reliability, Confidence-Interval Estimates of Population Parameters, Probable Error.
February	**Statistical Decision Theory:** Statistical Decisions, Statistical Hypotheses, Tests of Hypotheses and Significance, or Decision Rules, Type I and Type II Errors, Level of Significance, Tests Involving Normal Distributions, Two-Tailed and One-Tailed Tests, Special Tests, Operating-Characteristic Curves; the Power of a Test, p-Values for Hypotheses Tests, Control Charts, Tests Involving Sample Differences, Tests Involving Binomial Distributions. **Statistics in R:** mean, median, mode, Normal Distribution, Binomial Distribution, Frequency Distribution in R. **(CHALK & TALK , PPT)** **Unit:4-** **Small Sampling Theory**: Small Samples, Student's t Distribution, Confidence Intervals, Tests of Hypotheses and Significance, The Chi-Square Distribution, Confidence Intervals for Sigma , Degrees of Freedom, The F Distribution. **The Chi-Square Test**: Observed and Theoretical Frequencies, Definition of chi-square, Significance Tests, The Chi-Square Test for Goodness of Fit, Contingency Tables, Yates' Correction for Continuity, Simple Formulas for Computing chi-square, Coefficient of Contingency, Correlation of Attributes, Additive Property of chi-square. **(CHALK & TALK , PPT)**
March	**Unit:5** **Curve Fitting and the Method of Least Squares:** Relationship Between Variables, Curve Fitting, Equations of Approximating Curves, Freehand Method of Curve Fitting, The Straight Line, The Method of Least Squares, The Least-Squares Line, Nonlinear Relationships, The Least-Squares Parabola, Regression, Applications to Time Series, Problems Involving More Than Two Variables. **Correlation Theory:** Correlation and Regression, Linear Correlation, Measures of Correlation, The Least-Squares Regression Lines, Standard Error of Estimate, Explained and Unexplained Variation, Coefficient of Correlation, Remarks Concerning the Correlation Coefficient, Product-Moment Formula for the Linear Correlation Coefficient, Short Computational Formulas, Regression Lines and the Linear Correlation Coefficient, Correlation of Time Series, Correlation of Attributes, Sampling Theory of Correlation, Sampling Theory of Regression. **(CHALK & TALK , PPT)**

Teacher Co-ordinator Principal

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Semester / Term Syllabus Planning

F.Y.B.Sc.IT – SEM-II

Month	Topic to be covered
December	**Unit:1-** **Mathematical Modeling and Engineering Problem Solving:** A Simple Mathematical Model, Conservation Laws and Engineering Problems **Approximations and Round-Off Errors:** Significant Figures, Accuracy and Precision, Error Definitions, Round-Off Errors **Truncation Errors and the Taylor Series:** The Taylor Series, Error Propagation, Total Numerical Errors, Formulation Errors and Data Uncertainty. **(CHALK & TALK , PPT)** **Unit : 2-** **Solutions of Algebraic and Transcendental Equations:** The Bisection Method, The Newton-Raphson Method, The Regula-falsi method, The Secant Method.
January	**Interpolation:** Forward Difference, Backward Difference, Newton's Forward Difference Interpolation, Newton's Backward Difference Interpolation, Lagrange's Interpolation. **(CHALK & TALK , PPT)** **Unit 3: -** **Solution of simultaneous algebraic equations (linear) using iterative methods:** Gauss-Jordan Method, Gauss-Seidel Method. **Numerical differentiation and Integration:** Numberical differentiation, Numerical integration using Trapezoidal Rule, Simpson's 1/3rd and 3/8th rules. **Numerical solution of 1st and 2nd order differential equations:** Taylor series, Euler's Method, Modified Euler's Method, Runge-Kutta Method for 1st and 2nd Order Differential Equations. **(CHALK & TALK , PPT)**
February	**Unit:4 -** **Least-Squares Regression:** Linear Regression, Polynomial Regression, Multiple Linear Regression, General Linear Least Squares, Nonlinear Regression **Linear Programming:** Linear optimization problem, Formulation and Graphical solution, Basic solution and Feasible solution. . **(CHALK & TALK , PPT)** **Unit :5 -** **Random variables:** Discrete and Continuous random variables, Probability density function, Probability distribution of random variables, Expected value, Variance.
March	**Distributions:** Discrete distributions: Uniform, Binomial, Poisson, Bernoulli, Continuous distributions: uniform distributions, exponential, (derivation of mean and variance only and state other properties and discuss their applications) Normal distribution state all the properties and its applications. **(CHALK & TALK , PPT)**

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Semester / Term Syllabus Planning

Course: USIT 403	Computer Oriented Statistical techniques (SEM-IV) (credits: 2, Lectures/ week: 4)

Objectives:

The purpose of this course is to familiarize students with basics of statistics. This will be essential for prospective researchers and professionals to know these basics.

Expected Learning Outcomes:

1) Enable learners to know descriptive statistical concepts
2) Enable study of probability concept required for computer learners

Course: USIT 104	Numerical & Statistical Method (SEM-II) (credits: 2, Lectures/ week: 4)

Expected Learning Outcomes:

1) To develop the student's ability to deal with numerical and quantitative issues in business
2) To enable the use of statistical, graphical and algebraic techniques wherever relevant.
3) To have a proper understanding of Statistical applications in Economics and Management

Teacher

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THIRD YEAR BMM (JOURNALISM)
Issues of Global Media

	Modules / units
December	Global media, rise of satellite and internet driven media Presence of conglomerates; NWICO in a multi polar world and biases in global media coverage Global Monopolies' regional presence.[redefining local news]
January	Relevance of McBride report in contemporary times . Independent Media's space . Traditional media's foray into social media & Micro blogging . Parachute Journalism . Challenges in Reporting in Hostile Environments [Presence of Social Media and redefined roles of war correspondents coverage of natural disaster by global media and regional media . Cultural Bias in global media coverage Case Study in reporting of current issue
February	. Global media Perception of terrorism versus regional media perceptions [freedom fighters/separatists /terrorists, .Global audiences' changing need .Opening of Indian markets from the 1990s to contemporary times and the regional versus global media perceptions. Overview of media in China, Japan, U.S., India. Overview of media in China, Japan, U.S., India. Case Study in reporting of current issue
March	Profiles of BBC, CNN, Reuters, AFP & .Al Jazeera's arrival as an alternate voice[from Gulf War II to Arab Spring and beyond] Case Study in reporting of current issue Revision

1.

Course Out come

1. To assess the importance of the media vis-à-vis the public
2. To understand a variety of analytical perspectives and theories related to mass media
3. To project a fair idea of the role of the media in creating and influencing Public Opinion
4. To analyze the impact of the media and public opinion on socio political issues in and around the world

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SECOND YEAR BMM
INTRODUCTION TO JOURNALISM

	Modules / units
November	1. Changing face of journalism from Guttenberg to new media 2. Journalism in India: Earliest publications
December	The rise of nationalist press Post 1947 The emergency 1975 Post Emergency Definition of News; Hard News / Soft News and blend of the two. .
January	The news process from the event to the reader. Criteria for news worthiness Components of a news story Finding a new angle Writing a lead Types of Lead Inverted pyramid format
February	9. Role of Journalism with special emphasis on its role to educate Interpretation Transmission of values Development Entertainment 10. Principles of Journalism Objectivity Accuracy Without fear or favour 11. Basic difference in writing for the print, television and online journalism 12. Jobs in journalism 13. Latest trends and issues in journalism
March	14. Press council Audit bureau of circulation New media with special reference to rise the Citizen Journalism Revision

Course Outcome: To help media students to acquaint themselves with an influential medium of journalism which holds the key to opinion formation & create awareness

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SECOND YEAR BMM
Radio & Television

	Modules / units
November	Introduction No. of lectures A Short History of Radio & TV in India All India Radio Doordarshan
December	- Prasar Bharti main points - Convergence trends Introduction to Sound for both TV & Radio - Types of Sound: Natural, Ambient, Recorded - The Studio Setup The Sound Equipment: Mixer, Control Panel - Tape Recording - Digital Recording - Outdoor Recording - Types of Microphones
January	The Editing suite III. Introduction to Visuals - The Power & Influence of Visuals - The Video-camera: types of shots, camera positions, shot sequences, shot length - Lighting: The importance of lighting Television setup: The TV studio, difference between Studio & on-location shoots IV. Introduction to Radio Formats Broad guidelines –classifications - News - Documentary Feature - Talk Show - Music shows - Radio Drama - Sports broadcasting
February	V. Introduction to Television Programming Broad guidelines and classification - News - Documentary - Feature - Talk Shows - TV serials & soaps - Sports - Reality - Animation VI. Different Roles -Community Radio-role and importance - Contribution of All India Radio - The Satellite and Direct to Home challenge
March	VII. Other Requirements -Story board -On-line editing - Educational TV with reference to Jamia-milia, etc. virtual classrooms VIII. Broadcast Revision

Course Outcome: To make the students acquainted with working of the two powerful media; i.e. radio and television. The content is useful for both advertising and journalism students in order to further their careers in their respective fields.

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THIRD YEAR BMM (ADVERTISING)
Legal Environment &Advertising Ethics

	Modules / units
December	Legal Environment: (6) (i) The importance & the relationship between Self –Regulation, Ethics & the Law The laws of the land: - Constitutional Laws – Fundamental Rights - Personal laws- Criminal & Civil laws - Corporate laws - Consumer laws - Laws pertaining to Media (iii) Laws of Defamation & Contempt of Court with respect to cases specific to Media *Module II: Government Policies & Cyber Laws (4) (i) Government Policies governing advertisements (ii) The role of Prasar Bharati for advertisements in Public Broadcast Services (iii)Cyber laws including Section 66; Laws pertaining to advertising in cyber space. (iv) The Question of Net Neutrality & its relevance in Media (v) Right to Information Act
January	Module III: Laws pertaining to Media: (8) (i) Standard Contract between Advertiser & Agency (ii) Laws : - Drugs & Cosmetics Act - Drugs & Magic Remedies (Objectionable Advertisements) Act - Drugs Price Control Act - Emblems & Names (Prevention of Improper Use) Act - Indecent Representation of Women's Act - Intellectual Property Rights- -Copyright Act - Trademarks Act - Patents Act Module IV: A. Ethics in Advertising (8) (i) What is Ethics? Why do we need Ethics? (ii) The philosophy of Ethics- Absolutist & Situational (iii) Ethics in Advertising &Stereotyping: - Religious minorities - Racial minorities - Ethnic groups - Cultural Minorities - Senior Citizens - Children - Women - LGBT (iv) Advertising of Controversial products (v) Surrogate & Subliminal Advertising 13 (vi) Political Advertising (vii) Manipulation of Advertising Research

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Febrdary	Module V: Unfair Trade Practices & the Competition Act 2002 (5) (i) Unfair Trade Practices & Restrictive Trade Practices to Consumers: - False Promises - Incomplete Description - False & Misleading Comparisons - Bait & Switch offers - Visual Distortions - False Testimonials - Partial Disclosures - Small print Clarifications (ii) Unfair Trade Practices & Restrictive Trade Practices to other organizations in the Industry (iii)The role of the Commission of the Competition Act 2002 in resolving cases of Unfair & Restrictive Trade Practices. Module VI: Consumer Protection: Government initiatives including Standardization, Consumer Laws & Non- Government initiatives (7) (i) Consumerism – The rising need for consumer guidance& awareness (ii)Government Initiatives: -Standardization- Meaning, Relevance in today's Globalized World in Total Quality Management - Standardization Bodies in India- AGMARK, BIS, FSSAI & FPO - International Bodies- ISO, FDA, CMMI, Six Sigma & CE - Standardization marks- ISI, AGMARK, BIS- Hallmark (Gold), Silkmark, Woolmark, Cotton, Forever mark (Diamonds) Laws: (i)Essential Commodities Act 1955 (ii) Consumer protection Act 1986 (iii)Standards of Weights & Measures Act (iv)Standards of Weights & Measures (Packaged Commodities) Act (v)Prevention of Food Adulteration Act 14 Other Initiatives: - PDS- Ministry of Civil Supplies (Public Distribution System or Ration Shops) - Consumer Co-operatives Non- Government initiatives: - CGSI - CFBP - CERC - Grahak Panchayat - Customer care centre
March	Module VIII: Critique of Advertising (8) - A study of Vance Packard- The Hidden Persuaders (1957) - A study of Jean Kilbourne – Can't buy My love - A study of Naomi Klein – No Logo - A study of Naomi Woolf- The Beauty Myth - A study of Noam Chomsky- Understanding Power Revision

Course Outcome:

1. Acquaint students to the Legal Environment in contemporary India highlighting the relevance of the same with reference to Advertising media.
2. To emphasize & reiterate the need to have ethical practices in the field of advertising media both in India & internationally.
3. To appreciate the role of advertising in contemporary consumerism, the need for consumer awareness & consumer protection.
4. Advertising as a profession today & how to protect it the future of advertising
5. The socio - economic criticisms Why Advertising needs to be socially responsible?
6. The need for Critiques in Advertising
7. The syllabus has been redesigned to include advertising in both traditional & New Media.

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FIRST YEAR BAMMC
Effective Communication Skills II

	Modules / units
November	**Report Writing:** Report Writing (English, Hindi or Marathi) General report and News report writing - Basics and Format (Headline, Sub-headline, various type of report. **Organizational Writing:** Organizational writing : (English, Hindi or Marathi) Internal communication , E- mails - Email E-mail Etiquette; Overcoming Problems in E-mail Communication,
December	2. **Organisational Witing** :Stake holder communication Circulars- Guidelines for writing a circular- Languages and writing style of a circular- Format of a circular; Notices- Purpose- Format- Important points to remember while writing a notice, Letters of complaint, claim and adjustment, Consumer grievance letters, Letters under the Right to Information Act, Press Release, Letter to the Editor.
January	**Writing for Publicity materials** (English, Hindi or Marathi) Headline, sub- headline, Body copy, Slogan, Jingle, Radio spot.
February	. 2. **Editing**: (English, Hindi and Marathi) Principles of editing (Punctuation, Substitution of words, Restructuring of sentences, Re-organizing sentence sequence in a paragraph, Use of link words
Marc	Interpreting Data Read graphs, maps, charts, Write content based on the data provided Revision

Course Outcome:

1. To make the students aware of use of language in media and organization.
2. To equip or enhance students with structural and analytical reading, writing and thinking skills.
3. To introduce key concepts of communications.

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FIRST YEAR BAF
Business Communication II

	Modules / units
December	Presentation Skills Presentations: (to be tested in tutorials only) 4 Principles of Effective Presentation Effective use of OHP Effective use of Transparencies How to make a Power-Point Presentation
January	Group Communication Interviews:Group Discussion Preparing for an Interview, Types of Interviews – Selection, Appraisal, Grievance, Exit Meetings::Meaning and Importance of Conference Organizing a Conference Modern Methods: Video and Tele – Conferencing Public Relations: Meaning, Func
February	Need and Importance of Meetings, Conduct of Meeting and Group Dynamics Role of the Chairperson, Role of the Participants, Drafting of Notice, Agenda and Resolutions Conference
March	Conference Organizing a Conference Modern Methods: Video and Tele – Conferencing Public Relations: Meaning, Functions of PR Department, External and Internal Measures of PR 3 Revision

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Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
I hereby declare that allotted to me for the 2019-20 for the following subjects:			I have completed syllabus for second half of the academic year	
FYBAF	- Business	Communication II		
FYBMM	Effective	Communication II		
SYBMM	Introduction to Journalism Radio &	Television		
TYBMM (Journalism)		Issues of Global Media		
TYBMM (Ad)		Legal Environment & Advertising Ethics		
Neena Sharma 14/3/2020				

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16/3/202

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(AFFILIATED TO MUMBAI UNIVERSITY)

TEACHER'S WORK DIARY (Year 20 19 - 20 20)

TEACHER'S NAME : Neena Sharma

CLASS TEACHER OF SYBMM SECTION : _____

RESIDENTIAL ADDRESS : 708, Jonquille, Nahar, Chandivali TELEPHONE NO. 9820309489

ACADEMIC QUALIFICATION MA., M.Cm.S, SLET

QUALIFICATION	UNIVERSITY / DEPARTMENT	CLASS	YR. OF PASSING
SLET Journalism & Mass Com	Maharashtra		2017
M.Cm.S	Pune	II	1999
M.A.	Pune	II	1997
B.A	NEHU	II	1995

DESIGNATION : Assistant Professor

DATE OF APPOINTMENT : 29.6.13

PERIOD OF SERVICE : 6 years

TEACHER'S SIGNATURE : _____

PRINCIPAL'S SIGNATURE : _____

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LIST OF SUBJECT TEACHERS FOR CLASS : SYBMM

Sr. No.	Teachers	Subject Taught
1	Kalpana Rai Menon	Introduction to Public Relations
2.	Neena Sharma	Media Studies Intro to Cultural Studies
3.	Shaoli Mistry	Creative Writing
4.	Neil Maheshwari	Advanced Computers
5	Chetan Mathur	Understanding Cinema

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Teacher's Time Table

(Second Term)

Period	Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	7:30 - 8:20	Media Studies	JPO	JPO	History of Media	Culture Studies	EC I
2	8:20 - 9:10	Media Studies	JPO	ACS	History of Media	Culture Studies	
3	9:10 - 10:00		History of Media	Media Studies	Culture Studies	ACS	
4	10:20 - 11:10	History of Media	ACS	Media Studies	JPO	EC I	Culture Studies
5	11:10 - 12:00	ACS					
6							
7							

Teacher

Co ordinator

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Semester/Term Syllabus Planning
BA in Multimedia and Mass Communication (BAMMC)
History of Media

	Modules / units
July	**I EVOLUTION OF PRESS IN INDIA** a. Newspaper – the rise of the voice of India during British rule b. India's Freedom Struggle and Role of Media c. Independence and rise of Newspapers, Newspapers – a social aspect for freedom struggle, PRESS ACTS of India d. Press during the Emergency Period
August	**II HISTORY OF INDIAN LANGUAGE PRESS IN INDIA** **a.** Rise of Hindi Language Newspapers (detailed report on vernacular press in India referring to newspapers) **b.** Regional Press and its popularity of Indian regional languages in various regions **c.** Vernacular Press Act1876 **III HISTORY OF DOCUMENTARIES AND FILMS** a. Genesis of documentaries and short films, (screening of few documentaries is essential- like *Hindustan Hamara, Zalzala, The Vanishing Tribe*) Role of Documentarians - P V Pathy, D G Tendulkar ,H S Hirlekar, Paul Zils and Fali Billimoria, Anand Patwardhan, b. Evolution of film making in India -brief history, Photography to moving films c. Origin of Hindi cinema d. Origin of Short films to what it is today, role of you tube and WhatsApp e. Great masters of world cinema
September	**IV HISTORY OF RADIO AND TELEVISION IN INDIA** a. Radio & Television as Mass Media b. Radio and Television Broadcasting c. The beginning of Radio and Television Shows ☐ A New Era in Broadcasting in India ☐ Satellite Television & Privatization in Broadcasting ☐ Advertising in India d. Internet Protocol Television **V ROLE OF MEDIA ICONS IN THE HISTORY OF INDIAN MEDIA** 1. Raja Rammohan Roy 2. Bal GangadharTilak 3. M.K.Gandhi 4. B.R. Ambedkar 5. KP Kesava Menon 6. K.C MammenMapillai 7. Maulana Abdul Kalam Azad
Teaching Tools	1.Projects/ assignments 2. Oral & practical presentations 3. Group interactions 4. Debates & discussions 5. Quiz 6. Screening of short Films and Documentaries
Course Outcome	1. Learner will be able to understand Media history through key events in the cultural history 2. To enable the learner to understand the major developments in media history. 3. To understand the history and role of professionals in shaping communications. 4. To understand the values that shaped and continues to influence Indian mass media. 5. Learner will develop the ability to think and analyze about media. 6. To sharpen the reading, writing, speaking and listening skills that will help the students to understand the development of Media

Teacher's signature

Co ordinator

Principal's Signature

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Semester/Term Syllabus Planning
FIRST YEAR BMM
Effective Communication I

	Modules / units
July	**2. Reading -English, Hindi OR Marathi** **1.Types of Reading** Types of reading -skimming and scanning Reading -examples Newspaper / Magazine article, TV, feature and documentary, radio bulletins, advertising copy, press release in English, Hindi OR Marathi. Recognizing aspects of language particularly in media. Importance of spelling
August	**2.Various aspects of Language** Recognizing various aspects of language particularly related to media , Vocabulary 100 media words **3.Grammar & Usage** Grammatical structure – spelling, structure of sentences, Active / Passive voice, tenses, Idioms , Phrases, proper usage of homophones, homonyms etc.
September	**3 Thinking and Presentation** **1.Thinking** Types of thinking (rational ,logical, critical , lateral etc) Errors in thinking , Partialism, Time scale ,Egocentricity Prejudices ,Adversary Thinking **2 .Presentation** Presentation, its importance , Steps in Making a Presentation; Delivering a Presentation
Teaching Tools	1. Test , Quiz etc 1. Project/Assignment 2. Debate & Group discussion 3. Presentation 4. Skit /Play
Course Outcome	1. To make the students aware of functional and operational use of language in media. 2. To equip or enhance students with structural and analytical reading, writing and thinking skills. 3. To introduce key concepts of communications

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Semester/Term Syllabus Planning
SECOND YEAR BMM
MEDIA STUDIES

	Modules / units
June	**Ch.1** a. Relevance of Media Studies in Contemporary Times. b. Historical perspectives to media studies **Ch.2**. The Mid 20th Century Media Evolution Theory a. Agenda Setting b. Uses and Gratification c. Two Step How
July	d. Mc. Luhan – Media is the message e. Foucault – Power & Authority f. Propaganda Model **Ch.3** Media and Globalisation a. Division and contradiction in the Global Information Infrastructure b. Racist Ideologies and the Media (Stuart Hall) c. Media and Diaspora d. New Media Theory e. Cognitive Theory
August	**Ch.4** Media and its commercial Impact. a. Advertising Magazine Culture and the new man b. Trends in Media . **Ch.4** Media and its commercial Impact. c. Feminist Strategies of Detection d. Media Power and Political Culture
September	**Ch.6** Challenges to contemporary Media a. Media and Consumerism b. Intellectual Property and New Media c. Young people as consumers of Advertising Art
Teaching Tools	Presentations, Videos, Class discussions and presentations. Flipped classroom
Course Outcome	1. To provide an understanding of media theories 2. To understand the relationship of media with culture and society 3. To understand Media Studies in the context of trends in Global Media

Teacher's signature

Co ordinator

Principal's Signature

Semester/Term Syllabus Planning
SECOND YEAR BMM
Introduction to Cultural Studies

	Modules / units
June	**Introduction to cultural studies:** (a) Evolution, Need and significance of cultural studies. Key concepts in cultural studies- Representation, materialism, Non-reductionism, Articulation, Power, Popular culture, Texts and readers , subjectivity and Identity (b) Theories and its relevance in media Diffusionism- Kroeber Cultural materialism- Raymond Willams
July	□ Functionalism- Malinowski, and R. Brown □ Social interaction- G.H.Mead and Cooley □ Popular and mass culture, circuit of culture, encoding and decoding - Stuart Hall □ Culture and industry – John Fiske **Chapter- II** (a) Construction of culture Social Economic Political Religion Technology
August	b) Re- representation and media culture • Language • Gender • Race • Class • Ethnicity • Kinship and terminology **Chapter- 3** **Globalisation and cultural studies** (a) Popular culture- trends, transformation and its impact on society (b) Commodification of culture and its impact on lifestyle (c) Changing values, ideologies and its relevance in the contemporary society (d) Global economic flow, global cultural flows, homogenization and fragmentation, glocalization, creolization, globalization and power (e) Digital media culture
September	**Chapter -4** **Cultural expressions and media** □ Oral traditions- folklore □ Fashions and fad □ Cuisine □ Festivals □ Sports □ Art and Architecture
Teaching Tools	1. Presentations 2. Discussions 3. Case studies and flipped classroom 4. Discussions
Course Outcome	1. To create awareness on cultural theories and its relevance in media 2. To discuss the importance of cultural studies and its role in mass media. 3. To understand the cultural concepts and its impact on the media

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Semester/Term Syllabus Planning
THIRD YEAR BMM JOURNALISM
JOURNALISM & PUBLIC OPINION

	Modules / units
June	1. Defining Public Opinion. Its functions in society. Means of gauging Public Opinion – opinion polls, exit polls, surveys, social media, Role of Media in influencing Public Opinion, diversities and biases within the media. 2. Media theories and their understanding of Public Opinion Walter Lippman - Modern Media and Technocracy Paul Lazarsfeld – Research, Two Step Flow of Information Noam Chomsky – Manufacturing Consent, Selective Perception, Propaganda Model Agenda Setting Vs Uses and Gratifications
July	3. Media and Political Opinion: Coverage of Political Parties, Personalities and General Elections by national and international media; media biases Use of Media for election campaigns; Democrats in U.S.A.; BJP in India 4. Media shaping opinion with respect to government's policies (reference to India): Nuclear policy; Economic policy; Current Foreign Policy
August	4. Media shaping opinion with respect to government's policies (reference to India): Nuclear policy; Economic policy; Current Foreign Policy 5. Role of Media in shaping public opinion during conflicts Vietnam War; Bangladesh Crisis 1971; Kargil conflict; Gaza Crisis 2008-09; 2014 6. How Public Opinion can translate into Public participation: Arab Spring - Tunisia; Libya; Egypt; Syria- role of social media
September	7. War on international terrorism – media coverage Islamic State (IS); Al-Qaeda; Taliban 8. Internal Conflicts and Media coverage: Post Kargil insurgency National media vis-à-vis regional media in India's North East – Manipur, Nagaland Bodo conflict 9. Portrayal of Women's issues in media – gender violence, rape, sexual assault, domestic violence; - Nirbhaya case, Shakti Mills, Mathura rape case & other contemporary cases 10.Media Coverage of Marginalised sections of Society : Perspective from Above' [ignoring the marginalised] Dalits; Tribals; reservation; displacement, Forest Rights Act.
Teaching Tools	Class discussions, presentations, Internet for live viewing of news portals, e-newspapers.
Course Outcome	1. To assess the importance of the media with relation to the the public 2. To project a fair idea of the role of the media in creating and influencing Public Opinion 3. To analyze the impact of the media and public opinion on socio political issues

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Semester/Term Syllabus Planning
THIRD YEAR BMM (ADVERTISING)
Advertising in Contemporary Society

	Modules / units
June	**Module 1** 1. Policy Post Independence 2. Policy 1990 onwards **Module II** Effects of Liberalization on: 1.Economy 2. Business 3.Employment 4. Advertising 5. Lifestyle
July	**Module III:** International and Global Advertising and Marketing **Module IV** Social Marketing 1. Definition 2. Need for social marketing 3. Difficulties 4. Various subjects for Social Marketing 5. Effects of Social Marketing
August	**Module V** **Advertising** 1. Effect of Advtng. On Society 2. Criticism 3. Advertising &women 4. Advertising& Children **Module V** **Advertising** 1. Controversial advertising 2. GenderBias 3. Social implication 4. Role of advertising on the economy 5. Advertising & old people
September	**Module VI** **Types of Advertising** 1. Political 2. B to B 3. Consumer Advtng. 4. Retail advtng. 5. Industrial advtng. 6. Financial advtng. **Module VII** **Digital Marketing**
Teaching Tools	1. Presentations 2. Viewing of advertisements 3. Class projects of creating advertisements **4.** Discussions
Course Outcome	1. To understand the environment in Contemporary Society 2. To understand Liberalisation and its impact on the economy **3.** To study contemporary advertising and society

Teacher's sign

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Work Diary

Date	Class & Time	Subject Taught	Topics Covered	Signature

I hereby declare that I have completed the syllabus allotted to me of the following subjects for the first half of academic year 2019-20:

1. Effective Communication I - FYBMM
2. History of Media - FYBMM
3. Media Studies - SYBMM
3. Culture Studies - SYBMM
4. Journalism & Public Opinion - TYBMM (J)
5. Advertising in Enterporary Society - TYBMM (Ad)

Neeru Sharma
24/10/19.

24/10/2019

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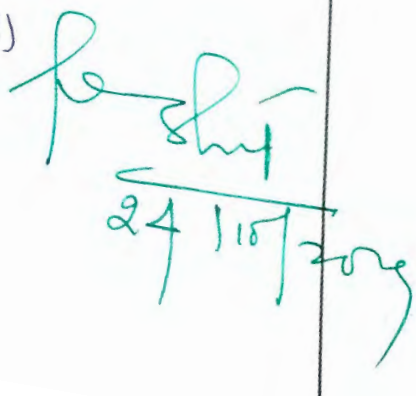

Semester / Term Syllabus Planning

Month	Topics to be covered
4 lectures /week	**SYBBI: SEMESTER III** **DIRECT TAXATION**
MONTHS	**MODULES/UNITS**
June	**UNIT 1:Definitions and Residential Status** A) Basic Terms (S. 2,3,4)-Assessee, Assessment, Assessment Year, Annual Value, Business, Capital Assets, Income, Previous Year, Person, Transfer. B) Determination of Residential Status of Individual, Scope of Total Income (S.5)
July	**UNIT II:Heads of Income - I** A) Income from Salary (S.15-17) B) Income from House Property (S. 22-27) C) Profit & Gain from Business and Profession (S. 28, 30,31,32, 35, 35D, 36, 37, 40, 40A and 43B)
August	**UNIT III:Heads of Income - II** A) Capital Gain (S. 45, 48, 49, 50 and 54) B) Income from other sources (S.56- 59) C) Exclusions from Total Income (S.10) (Exclusions related to specified heads to be covered with relevant heads of income)
August/ September	**UNIT IV:Computation of Total Income & Taxable Income** A) Deductions from Total Income S. 80C, 80CCC, 80D, 80DD, 80E, 80U, 80TTA B) Computation of Taxable Income of Individuals
Course Outcome	**Learners will be able to understand the different types of incomes and their taxability and expenses and their deductibility and also they will understand the various deductions to reduce the taxable income.**

Teacher

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Semester / Term Syllabus Planning

Month	Topics to be covered
4 lectures /week	**SYBAF: SEMESTER III** **COST ACCOUNTING**
MONTHS	**MODULES/UNITS**
June	**UNIT 1:** Classification of Costs and Cost Sheet Cost of Sales, Cost Centre, Cost Unit, Profit Centre and Investment Centre Cost Sheet, Total Costs and Unit Costs, Different Costs for different purpose .Problems on preparation of cost sheet & Tenderred Cost sheet
July	**UNIT II:** Reconciliation of cost and financial accounts Practical problems based on reconciliation of cost and Financial accounts
July/ August	**UNIT III:** Contract Costing Progress payments, Retention money, Contract accounts, Accounting for material, Accounting for Tax deducted at source by the contractee, Accounting for plant used in a contract, treatment of profit on incomplete contracts, Contract profit and Balance sheet entries, Escalation clause, practical problems
August/ September	**UNIT IV:** Process Costing Process loss, Abnormal gains and losses, Joint products and by products. (Excluding Equivalent units, Inter-process profit)
Course Outcome	**Learners will understand the role of cost accounting in the business management of manufacturing and non-manufacturing companies and also understand the basic concept of cost and how they are presented in the books.**

Teacher

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Semester / Term Syllabus Planning

Month	Topics to be covered
4 lectures /week	**FYBBI: SEMESTER- I** **PRINCIPLES OF MANAGEMENT**
MONTH	**MODULES/UNITS**
July	**UNIT I:** Introduction to Management , Definition of Management , Management as a Profession ,Traditional Vs Contemporary Management (Henry Fayol, F.W. Taylor, Peter Drucker) (C.K.Pralhad, Mr. Vijay Govindarajan)
August	**UNIT II:** Management Process, Practices, Functions of Management related to Banking and Insurance companies.
August/ September	**UNIT III:** Organization Structure of Banking and Insurance companies
September /October	**UNIT IV:** **Business Leaders** - Leaders in the Indian Industry (J.R.D Tata, Ratan Tata, Aditya Birla, Kumar Mangalam Birla, MrDhirubhaiAmbani and Sons, KiranMazumdar Shaw, VergheseKurien) • Leaders in the Banking and Insurance Industry. **Indian Leaders** (Banking & Insurance-H.Shanbagh, UdayKotak, K.V. Kamath NainaKidwai, Deepak Parekh, ChandaKochhar, Hinduja, Godrej,AzizPremzi, Narayan Murthy, Anand Mahindra , Governor of RBI). **International Leader**- President of World bank, President of Asian Development Bank, President of Fed Reserve, President of International Monetary Fund.
Course Outcome	**Learners will develop the ability to work in teams and identify the key competencies needed to be an effective manager. They will understand some of the key skills required for the contemporary management practice.**

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Semester / Term Syllabus Planning

Month	Topics to be covered

4 lectures /week	FYBBI : SEMESTER I : FINANCIAL ACCOUNTING
MONTH	**MODULES/UNITS**
July	**Module- I** - Meaning, scope, objective, need, importance and limitations of accounting. Basic accounting terminology. Branches of accounting. Accounting concepts, Conventions and principles. Double Entry System, Classifications of accounts. Rules of debit and credit. Writing of Journal Entries and Ledger . Sub division of Journal and Trial balance
August	**Module-II**-Classifications of Income, Expenditure and Receipts on the basis of capital and revenue, Source documents required for practical accounting. Introduction to Bank Reconciliation Statement and errors and their Rectification. Accounting Standard 1,2,6,8,9,10. Understanding Fair Value concept Overview of Ind-AS vis-à-vis International Financial Reporting Standards(IFRS)
September	**Module III**- Stock Valuation(FIFO and Weighted Average Method only). Hire Purchase Transactions (calculation of interest, accounting as per asset purchase method only, exclude repossession).
September /October	**Module-IV**- Final Accounts: Trading Account, Profit and Loss Account, Balance sheet, Adjustment Entries.
Course Outcome	**Learners will develop the ability to use accounting information to solve a variety of business problems and also they will understand the purpose of financial statements in relationship to decision making.**

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Semester / Term Syllabus Planning

4 lectures /week	FYBAF SEM-I – FINANCIAL ACCOUNTING
MONTH	UNITS/MODULES
July	**Module 1:** Accounting standards issued by IC AI and Inventory valuation
	Accounting standards: Concepts,benefits,proceduresforissueofaccountingstandardsVariousAS : AS – 1: Disclosure of Accounting Policies AS–2:Valuationof Inventories (Stock) AS – 9: Revenue Recognition Inventory Valuation Meaning of inventories ,Cost for inventory valuation Inventory systems : Periodic Inventory system and Perpetual Inventory System Valuation: Meaning and importance Methods of Stock Valuation as per AS – 2 : FIFO and Weighted Average Method Computation of valuation of inventory as on balance sheet date; If inventory is taken on a date after the balance sheet or before the balance sheet
August	**Module 2:** Final Accounts
	Expenditure: Capital, Revenue Receipts: Capital, Revenue Adjustment and Closing Entries Final accounts of Manufacturing concerns (Proprietary Firm)
August/ September	**Module 3:** Departmental Accounts
	Meaning Basis of Allocation of Expenses and Incomes/Receipts Inter Departmental Transfer : at Cost Price and Invoice Price Stock Reserve Departmental Trading and Profit & Loss Account and Balance Sheet
September/ October	**Module 4:** Accounting for Hire Purchase
	Meaning Calculation of interest Accounting for hire purchase transactions by asset purchase method based on full cash price Journal entries, ledger accounts and disclosure in balance sheet for hirer and vendor(excluding default, repossession and calculation of cash price)
Course Outcome	**Learners will develop the ability to use accounting information to solve a variety of business problems and also they will understand the purpose of financial statements in relationship to decision making.**

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Semester / Term Syllabus Planning

Month	Topics to be covered
2 lectures /week	**FYBAF: SEMESTER- I** **BUSINESS ENVIRONMENT**
MONTH	**MODULES/UNITS**
July	**UNIT I:**Business and its Environment a) Business Objectives, Dynamics of Business and its Environment, Types of Business Environment b) Environmental Analysis: Importance, Factors.
August	PESTEL Analysis, SWOT Analysis **UNIT II:** Business and Society - Business Ethics: Nature and Scope of Ethics, Ethical Dilemmas, Corporate Culture and Ethical Climate
September /October	Development of Business Entrepreneurship: Entrepreneurship and Economic Development, Micro, Small and Medium Enterprises Development (MSMED) Act, 2006, Entrepreneurship as a Career Option Consumerism and Consumer Protection: Consumerism in India, Consumer Protection Act 1986
Course Outcome	**Learners will be able to demonstrate and develop conceptual framework of business environment and generate interest in international business. They will also understand how an entity operates in a business environment.**

Teacher

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Semester / Term Syllabus Planning

Month	Topics to be covered
4 hours /week	**FYBBI -SEM II –Principles and Practices of Banking and Insurance**
MONTH	**UNITS/MODULE**
November / December	**Unit-I : Introduction to Banking** Basic Concepts: Origin, Need, Types, Scope and Functions of Banking - Need for Regulation and Supervision
January	**Unit-II: Banking Scenario in India** Banking Operations -Types of accounts -Banking Services -Current Scenario, Financial Inclusion and Banking Regulations & Role of RBI.
February	**Unit-III: Introduction to Insurance** Understanding Risk -Kinds of business risks -Need and Scope of insurance - Evolution of insurance Principles of insurance -Types of insurance and policies -Risk and Return relationship
March	**Unit-IV: Insurance Business Environment in India** Growth of Insurance Business Actuarial Role – Claim and Settlement Procedures –Insurance Regulations Role of IRDA.
Course Outcome	Learners will be able to understand the recent developments in banking and facilities provided by the banks to the general public and also they will understand the basic concepts and workings of insurance sector and they can also plan for their career in banking and insurance .

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Semester / Term Syllabus Planning

4 lectures/ Week	SYBAF-SEM IV –FOUNDATION COURSE IN MANAGEMENT
MONTH	UNITS/MODULE
Unit-I	**Introduction to Basic Management Concepts**
November	Introduction to Management, Definition of Management Nature of Management , Objectives of Management Administration vs Management Levels of Management , Principles of Management
Unit-II	**Planning**
December	Definition and Importance of Planning Process of Planning, Limitations of Planning Features of Sound Planning Features and process of decision making
Unit-III	**Organising**
January	Definition, nature and significance Process of organization, Principles of organisation Formal and Informal organisation -features, advantages and disadvantages Centralisation and decentralisation –factors, merits and demerits Departmentation and Delegation
Unit-IV	**Staffing**
February	Meaning, Importance of Staffing Recruitment and its sources , Selection procedure Distinction between Recruitment and Selection Employment tests and types of Interview
Unit-V	**Directing and Controlling**
February/ March	Meaning and Importance of Directing, Principles of Directing Leadership trails and Styles Motivation – Importance and Factors Co-ordination – Meaning, features and Importance Meaning and steps in controlling Essentials of a good control system.
Course Outcome	**Learners will develop the ability to work in teams and identify the key competencies needed to be an effective manager. They will understand some of the key skills required for the contemporary management practice.**

Teacher

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Semester / Term Syllabus Planning

4 hours/ week	SYBBI : SEMESTER IV COST ACCOUNTING
MONTHS	MODULES/UNITS
November	**UNIT 1: Introduction to Cost Accounting** • Objectives and scope of Cost Accounting • Cost centres and cost units • Cost classification for stock valuation , profit measurement, decision making and control • Coding systems • Elements of cost
December January	**UNIT-II: Classification of cost and cost sheet** • Classification of costs, cost of sales,cost centre,cost unit,profit centre and investment centre, Cost sheet. • Reconciliation of cost and financial accounts.
February	**UNIT III: Standard Costing** • Various types of standards,setting of standards, basic concepts of Labour and Overhead(Fixed and Variable) variance analysis
February/ March	**UNIT IV: Introduction to Marginal Costing** • Marginal costing meaning,application,advantages,limitations,contribution,break-even analysis and profit volume graph
Course Outcome	**Learners will understand the role of cost accounting in the business management of manufacturing and non-manufacturing companies and also understand the basic concept of cost and how they are presented in the books.**

Teacher

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Semester / Term Syllabus Planning

Month	Topics to be covered
4 hours week	FYBAF -SEM II –FINANCIAL ACCOUNTING
MONTH	**UNITS/MODULE**
November/ December	**Unit-I : Accounting from Incomplete Records:** Introduction Problems on preparation of final accounts of Proprietary Trading Concern (Conversion Method)
January	**Unit-II: Consignment Accounts** Accounting for consignment transactions Valuation of Stock Invoicing of goods at higher price (Excluding Overriding commission, Normal/Abnormal losses)
February	**Unit-III: Branch Accounts** Meaning/Classification of Branches. Accounting for Dependent Branch not maintaining full books: Debtors Method and Stock and Debtors Method
February/ March	**Unit-IV: Fire Insurance Claim** Computation of Loss of Stock by Fire Ascertainment of Claim as per the insurance policy Exclude: Loss of profit and Consequential loss.
Course Outcome	**Learners will develop the ability to use accounting information to solve variety of business problems and also they will understand the purpose of financial statements in relationship to decision making.**

Teacher

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Semester / Term Syllabus Planning

2 hours /week	FYBAF- SEM II- AUDITING
MONTH	UNITS/MODULE
November/ December	**Unit-I :Introduction to Auditing** **•Basics** Financial Statements, Users of Financial Information, Definition of Auditing, Objectives of Auditing - Primary and Secondary, Expression of Opinion, Detection of Frauds and Errors, Inherent Limitations of Audit
January	**•Errors and Frauds** Concepts, Reasons and Circumstances, Types of Errors -Commission, Omission, Principle and Compensating, Types of Frauds, Risk of Fraud and Error in Audit, Auditor's Duties and Responsibilities in Respect of Fraud **•Principles of Audit** Integrity, Objectivity, Independence, Confidentiality, Skills and Competence, Materiality and Work Performed by Others, Documentation, Planning, Audit Evidence, Accounting System and Internal Control, Audit Conclusions and Reporting
February	• **Types of Audit** Meaning, Advantages and Disadvantages of Balance Sheet Audit, Interim Audit, Continuous Audit, Concurrent Audit, Annual Audit **•Miscellaneous** Advantages of Independent Audit, Qualities of Auditors, Auditing Vs Accounting, Auditing Vs Investigation, View the Concept True and Fair **•Accounting Concepts Relevant to Auditing** Materiality, Going Concern
March	**Unit-IV: Internal Audit** Meaning, Basic Principles of Establishing Internal Audit, Objectives, Evaluation of Internal Audit by Statutory Auditor, Usefulness of Internal Audit Internal Audit Vs External Audit, Internal Checks Vs Internal Audit
Course Outcome	The learners will understand the importance of financial statements, the users of those statements, importance of an error free financial statement for a company, how the auditing is done by an auditor to identify those errors and frauds.

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4 hours /week	TYBBI - SEM VI– International Business
MONTH	UNITS/MODULE
December	**UNIT-I -Introduction to International Business:** Introduction to International Business – Importance, Nature and Scope of International Business, Drivers of International Business, Evolution of International Business, Strategies of Group International, Globalization, Multi National Corporations: Nature, Goals of MNC's, India's Presence- Advantages and Disadvantages of MNCs **International Business Environment**: Economic, Political, Cultural and Legal Environments in International Business
January	**UNIT-II-International Economic Institutions and Regional Groupings** **Institutional Support to International Business**: Role of World Bank, IMF, ILO, UNCTAD, UNIDO and ADB in International Business, World Trade Organization (WTO), Origin, Objectives, Functions ,GATT and WTO, Principles of WTO, Transparency, MFN Treatment, National Treatment, Free Trade, Dismantling Trade Barriers, Rule Based Trading System, Treatment for LDCs ,Competition Principle, Environment Protection, Key Subjects in WTO, Agriculture, TRIPS, TRIMS, GATS, Implications for India **Integration between Countries**: Levels of Integration, Growth of Trading Blocs, Impact of Integration, Major Regional Trading Groups, The European Union, NAFTA, APEC, ASEAN, MERCOSUR, BRICS, SAARC, OPEC **UNIT-III-International Marketing, Human Resource Management** International Marketing, Domestic and International Marketing, Compared Benefits of International Marketing, Major Activities, International Market Assessment, International Product Strategies, Pricing Issues and Decisions, Dumping, Promotion Issues and Policies. International Human Resource Management, Nature, Growing Interest in IHRM, DHRM and IHRM compared, Managing International HR activities, Expatriation and Repatriation of employees
February	**UNIT-IV-Preliminaries for Export Import and Documentation** Meaning and Definition of Export, Methods of Exporting, Registration Formalities for Exports Export Licensing, Selection of Export Product, Identification of Market for Exports – Export Pricing Quotations, FOB & CIF ,Meaning and Definition of Imports, Liberalisation of Imports, Negative list of Imports ,Categories of Importers, Special Schemes for Importers. Aligned Documentation System – Commercial Invoice , Shipping Bill , Certificate of Origin, Consular Invoice, Mate's Receipt, Bill of Lading, GR Form, ISO 9000, Procedure for obtaining ISO 9000, BIS 14000 Certification ,Import Documentation, Transport Documents - Bill of Entry, Certificate of Inspection, Certificate of Measurements, Freight Declaration **UNIT-V-Export Import Procedures and Foreign Trade Policy** Steps in Export Procedure , Export Contract, Forward Cover, Export Finance, Institutional Framework for Export Finance, Excise Clearance, Pre-shipment Inspection, Methods of Pre-shipment Inspection, Role of Clearing and Forwarding Agents, Shipping and Customs Formalities, Customs EDI System, Negotiation of Documents, Realization of Exports Proceeds
March	Pre-Import Procedure- Steps in Import Procedure, Legal Dimensions of Import Procedure, Customs Formalities for Imports, Warehousing of Imported Goods, Exchange Control Provisions for Imports & Retirement of Export Documents, Foreign Trade Policy Highlights (latest), Duty Drawback, Deemed Exports, ASIDE, MAI & MDA, Star Export Houses, Town of Export Excellence, EPCG Scheme.
Course Outcome	**Learners will understand how to expand the business globally and they will enhance their cognitive knowledge of global issues, interpersonal skills with individuals from various culture and social responsibility awareness on global issues.**

Teacher

Co-ordinator

Principal

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SYBAF (SEM-III)

Taxation

	Modules / units
June	Definitions, Basis of Charge, Scope of total income and Exclusions from Total Income, Income from Salary
July	Income from Salary and Business and Profession
August	Income from House Property, Capital Gains, and Deductions under chapter VIA [80A, 80C, 80CCC, 80D, 80DD, 80E, 80TTA, 80U]
September	Income from other sources and computation of total income of individuals.
Course Outcome	After conclusion of study the students will be able to: 1. Able to compute total income and define tax complicacies and structure. 2. Differentiate between direct and indirect tax assessment. 3. Compute the tax liability of an individual. 4. Determine the residential status of an Individual, Company and HUF.

SYBBI (SEM-III)

Financial Markets

	Modules / units
June	**Indian Financial System:** Meaning, Functions, Indian financial system from financial neutrality to financial activism, from financial volatility to financial stability, Role of Government in the development of a country, Overview of Indian financial system since independence, Monitoring Framework for financial conglomerates, Structure of Indian Financial System.
July	**Financial Markets in India:** Indian Money Market, Indian Capital Market, Indian Stock Market (meaning and functions of NSE and BSE) Equity Market, and Indian Debt Market
August	**Commodity Market:** Introduction to commodities market, Structure of commodities market, participants in commodities market, commodity exchange in India and abroad, reasons for investing in commodities.
September	**Derivatives Market:** Introduction, Elements of a derivative contract, factors driving growth of derivatives market, types of derivatives, current volumes of derivative trade in India, Difference between forwards and futures.
Course Outcome	**After conclusion of study the students will be able to:** 1. Describe the financial system of India. 2. Outline the participants in the financial markets. 3. Describe the share and debt markets, and name their collective name. 4. List the instruments of the money and bond markets. 5. List the derivative instruments and briefly describe them. 6. Elucidate the organization of the financial markets.

Teacher

Co-ordinator

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TYBBI (SEM-V)
Financial Reporting and Analysis

	Modules / units
June	**Unit -I** Preparation and presentation of Banking Company final accounts in accordance with Banking Regulation Act (Calculation of rebate on bill discounted) Study of accounting policies from annual reports of Banks.
July	**Unit II** Preparation and presentation of Corporate final accounts for Insurance Companies (Final accounts in accordance with insurance legislation) Study of accounting policies from annual reports of listed insurance companies.
August	**Unit – III** Preparation and presentation of Corporate final accounts and reports for Trading, Manufacturing and other companies in accordance with Revised Schedule VI of the companies final accounts. **Unit IV** Cash flow analysis Accounting Standard 3.
September	**Unit- IV** Cash flow analysis and ethical behavior and implications for accountants. The accounting standard setting process, company codes of ethics, the increasing role of whistle blowing, IFAC code of ethics for accountants. **Unit V** **IFRS 1:** First time adoption of IFRS 1- Objective, Scope, Definitions, First IFRS statements recognition and measurement, Comparative information, transition to IFRS, reconciliations, interim financial reports, designation of financial assets and liabilities, exceptions to retrospective application of IFRS, exemptions for business combination, exemption from other IFRS. **IFRS 2:** Share based payment system- Objective, Scope, Definitions, Recognition, Equity settled Share based payment transactions, Transactions in which services are received, treatment of vesting conditions, Expected vesting period, Determining fair value of equity instruments, modifications of terms and conditions, cancellation, cash settled share based payment transactions.
Course Outcome	**After conclusion of study the students will be able to:** 1. Read, understand, interpret and analyse general purpose financial reports of companies. 2. Read, understand, interpret and analyse financial reports of Banks and Insurance companies. 3. Understand differing accounting policies and their impact on financial statements; 4. Demonstrate knowledge of accounting concepts and techniques; and 5. Make sound financial decisions in real world settings.

Teacher Co-ordinator Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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TYBBI (SEM-V)

Business Ethics and Corporate Governance

	Modules / units
June	**Unit-I Introduction to Business Ethics:** Definition, Meaning, Nature of Ethics, Types of Ethics, Ethics vs Law, Ethics vs. Morality, Importance of Ethics. Business Ethics: Meaning, Nature, Importance, Areas of Business Ethics, Functional Ethics. **Unit –II Application of Ethical Theories in Business:** Ethical Decision making, Normal Dilemmas and Problems.
July	**Unit –II Application of Ethical Theories in Business:** Gandhian approach in management and trusteeship, Importance and relevance of Trusteeship, Principle in Modern Business, Ethical Issues in advertising and finance. **Unit III Introduction to Corporate Governance:** Definition, Balance frame work, Fair and unfair Business Practices, Basis of Corporate Governance, Corporate Governance Systems, Indian model of Governance, Good Corporate Governance, and Obligation towards Society and Stake holders, Theories underlying Corporate Governance, Corporate Governance Mechanism.
August	**Unit – III Introduction to Corporate Governance:** Indian Model, OECD, and emphasis on Corporate Governance. **Unit –IV Genesis and implementation of Corporate Governance in India:** Introduction, Arthashastra and good Governance in ancient India, protection of interest of customer and investors, Values- Meaning, Types, Teaching from Scriptures like Gita, Quran and Bible value system in business, Implementation of Corporate Governance, Role of Board of Directors, structure of Board, Role of Auditors, Role of SEBI, Role of Government, Corporate Governance in India, Accounting and Non Accounting regulations related to Corporate Governance.
September	**Unit- IV Genesis and implementation of Corporate Governance in India:** Corporate Governance and CSR, Family owned Business in India. **Unit V Global Scenario:** Ethics in context of global economy, Ethics and business development, Corruption – Meaning, Causes, and Effects. Frauds and Scams in banks, Insurance Company, Financial Institution, Measure to overcome Fraud and Corruption, Zero Tolerance of Corruption.
Course Outcome	**After conclusion of study the students will be able to:** 1. Explain the relationship between ethics, morals and values in the workplace. 2. Formulate ethical philosophy to explain how it contributes to current practice. 3. Critically apply understanding of ethics in real-world contexts. 4. Discuss the influence of corporate governance system on the performance of individual firms. 5. Discuss the moral and social responsibility dimensions of corporate governance.

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TYBAF (SEM-V)
Financial Accounting Paper VI

	Modules / units
June	**Unit - I Final Accounts of Banking Company:** Legal provision in Banking Regulation Act, 1949 relating to accounts, Statutory Reserves including Cash Reserve and Statutory Liquidity Ratio, Non-performing assets and Provisions for NPA, Rebate on bills discounted, final accounts in prescribed format.
July	**Unit - I & II** Final Accounts of Banking Company in prescribed format **Final Accounts of Insurance Company (excluding Life Insurance):** Types of Insurance, special terms like premium, claims, commission, Reserve for unexpired risk, re-insurance, final accounts in prescribed format.
August	**Unit- II** Final Accounts of Insurance Company (excluding Life Insurance)
September	**Unit- III Non-Banking Financial Companies:** Practical questions related to NPA, Capital Adequacy, and preparation of financial statement.
Course Outcome	**After conclusion of study the students will be able to:** 1. Read, understand, interpret and analyse financial reports of Banks and Insurance companies 2. Understand differing accounting policies and their impact on financial statements; 3. Demonstrate knowledge of accounting concepts and techniques; and 4. Make sound financial decisions in real world settings

	FYBAF –Cost Accounting
July Unit I	Introduction to Cost Accounting Evolution Objectives and Scope of Cost Accounting Importance and Advantages of Cost Accounting Difference between Cost Accounting and Financial Accounting Limitations of Financial Accounting Definitions: Cost Costing and Cost Accounting Classification of Cost on Different Bases Cost Allocation and Apportionment Coding System Essentials of Good Costing System
August Unit II	Material Cost Material Cost: The Concept Material Control Procedure Documentation Stock Ledger, Bin Card Stock Levels Economic Order Quantity (EOQ)
September Unit III	Labour Cost Labour Cost: The Concept Composition of Labour Cost Labour Cost Records Overtime / Idle Time / Incentive Schemes
October Unit III Unit IV	Labour Cost Labour Cost: The Concept Composition of Labour Cost Labour Cost Records Overtime / Idle Time / Incentive Schemes Overheads Overheads: The Concept Classification of overheads on different bases Apportionment and Absorption of Overheads

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Month/Unit	FYBAF – Foundation Course
November Unit I	**Globalisation and Indian Society** Understanding the concepts of liberalization, privatization and globalization; Growth of information technology and communication and its impact manifested in everyday life; Impact of globalization on industry: changes in employment and increasing migration; Changes in agrarian sector due to globalization: rise in corporate farming and increase in farmers' suicides.
December Unit II	**Human Rights** Concept of Human Rights; origin and evolution of the concept. The Universal Declaration of Human Rights; Human Rights constituents with special reference to Fundamental Rights stated in the Constitution
January Unit III	**Ecology** Importance of Environment Studies in the current developmental context; Understanding concepts of Environment, Ecology and their interconnectedness; Environment as natural capital and connection to quality of human life. Environmental Degradation-causes and impact on human life; Sustainable development-concept and components; poverty and environment
February Unit IV	**Understanding Stress and Conflict** Causes of stress and conflict in individuals and society; Agents of socialization and the r played by them in developing the individual; Significance of values, ethics and prejudices in developing the individual; Stereotyping and prejudice as significant factors in causing conflicts in society. Aggression and violence as the public expression of conflict.
February March Unit V	**Managing Stress and Conflict in Contemporary Society** Types of conflicts and use of coping mechanisms for managing individual stress, Maslow's theory of self- actualisation; Different methods of responding to conflicts in society; Conflict-resolution and efforts towards building peace and harmony in society.
Course Outcome	Learners will be able to understand the Diversity of Indian society, Disparities faced by economically, socially weaker section of the society, problems that are being faced by the women in the society, Rights and Duties of citizen of India, significant aspects in Indian political system.
	TYBAF - Security Analysis and Portfolio Management
December Unit I	Portfolio Management – An Introduction & Process Investment, Meaning, Characteristics, Objectives, Investment V/s Speculation, Investment V/s Gambling and Types of Investors. Portfolio Management – Meaning, Evolution, Phases, Role of Portfolio Managers, Advantages of Portfolio Management, Investment Environment in India and Factors Conducive for Investment in India. Portfolio Analysis – Meaning and its Components.
December Unit II 1 January	Calculation of Expected Return and Risk, Calculation of Covariance, Risk – Return Trade off. Portfolio Selection – Meaning, Feasible Set of Portfolios, Efficient Set of Portfolios, Selection of Optimal Portfolio, Markowitz Model, Limitations of Markowitz Model, Measuring Security Return and Portfolio Return and Risk under Single Index Model and Multi Index Model. Portfolio Management – Valuation Portfolio Revision – Meaning, Need, Constraints and Strategies, Portfolio Evaluation – Meaning, Need, Measuring Returns (Sharpe, Treynor and Jensen Ratios) and Decomposition of Performance.
January Unit III 4 February	Fundamental Analysis Economy Analysis – Meaning, Framework, Economic Analysis, Forecasting, Barometric or Indicator Approach, Econometric Model Building and Opportunistic Model Building, Industry Analysis – Concept of Analysis, Industry Life Cycle, Industry Characteristics Company Analysis – Financial Statements, Analysis of Financial Statements, (Practical questions on Debt Equity Ratios, Total Debt Ratio, Proprietary ratios, Interest coverage ratio, Profitability ratios related to sales, investment and equity shares Efficiency or Activity Ratios) and Assessment of Risk(Leverages)

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February Unit IV	Technical Analysis Dow Theory Meaning and Principles of Technical Analysis. Price Chart, Line Chart, Bar Chart, Japanese Candlestick Chart. Trends and Trend Reversals, Chart Patterns. Support and Resistance, Reversal Patterns, Continuation Patterns and Elliot Wave Theory Mathematical Indicators – Calculation of Moving Averages (Simple and Exponential Moving Average), Oscillators and Relative Strength Index Market Indicators Fundamental Analysis V/s Technical Analysis
February/ March Unit V	Efficient Market Theory & CAPM: Random Walk Theory, The Efficient Market Hypothesis, Forms of Market Efficiency , Competitive Market Hypothesis. CAPM: Fundamental Notions of Portfolio Theory, Assumption of CAPM, Efficient Frontier with riskless lending and borrowing, Capital Market Line, Security Market Line and Pricing of securities with CAPM, Arbitrage Pricing Theory (APT): The Return Generating Model, Factors affecting Stock Return, Expected Return on Stock, APT V/s CAPM.
Course Outcome	• This course aims at developing an understanding of the changing domestic and Indian capital market in particular with reference to availability of various financial products. • It aims at providing an in-depth knowledge of the theory and practice of portfolio management. • Valuing equity instruments. • Measuring the portfolio performance.

FYBBI - Financial Accounting

November Unit I	Valuation of Goodwill Maintainable Profit method
December Unit I	Valuation of Goodwill Maintainable Profit method, Super Profit Method Capitalization method, Annuity Method Valuation of Shares Intrinsic Value Method. Yield method and Fair Value Method
January Unit IV	Buyback of equity shares Company Law/ Legal Provisions (including related restrictions, power, transfer to capital redemption reserve account and prohibitions) Compliance of conditions including sources, maximum limits and debt equity ratio. Redemption of preference shares Company Law / Legal Provisions for redemption of preference shares in Companies Act Sources of redemption including divisible profits and proceeds of fresh issue of shares Premium on redemption from security premium and profits of company Capital Redemption Reserve Account - creation and use
February Unit IV	Redemption of debentures by payment from sources including out of capital and / or out of profits. Debenture redemption reserve and debenture redemption sinking fund excluding insurance policy.
February/ March Unit IV	Redemption of debentures: Redemption of debentures by conversion into new class of shares or debentures with options- including at par, premium and discount
Course Outcome	• To Understand and measure the value of goodwill and equity shares of a company. • To Understand and record the journal entries and prepare ledger account for Redemption of Preference Shares and Debentures. • To understand the provisions for Buyback of Equity Shares and measure the number of shares to be bought back by a company in a given year.

Teacher Co-ordinator Principal

SWAMI SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, SWAMI SHETTY SANKUL, POWAI MUMBAI-76.

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	TYBBI - Security Analysis and Portfolio Management
December Unit I	Portfolio Management - An Introduction & Process Investment, Meaning, Characteristics, Objectives, Investment V/s Speculation, Investment V/s Gambling and Types of Investors. Portfolio Management – Meaning, Evolution, Phases, Role of Portfolio Managers, Advantages of Portfolio Management. Investment Environment in India and Factors Conducive for Investment in India. Portfolio Analysis – Meaning and its Components.
December Unit II & January	Calculation of Expected Return and Risk, Calculation of Covariance, Risk – Return Trade off. Portfolio Selection – Meaning, Feasible Set of Portfolios, Efficient Set of Portfolios, Selection of Optimal Portfolio, Markowitz Model, Limitations of Markowitz Model, Measuring Security Return and Portfolio Return and Risk under Single Index Model and Multi Index Model. Portfolio Management - Valuation Portfolio Revision - Meaning, Need, Constraints and Strategies. Portfolio Evaluation – Meaning, Need, Measuring Returns (Sharpe, Treynor and Jensen Ratios) and Decomposition of Performance.
January Unit III & February	Bond Valuation – Meaning, Measuring Bond Returns, Yield to Maturity, Yield to Call and Bond Pricing, Bond Pricing Theorems, Bond Risks and Bond Duration. Fundamental Analysis Economy Analysis – Meaning, Framework, Economic Analysis, Forecasting, Barometric or Indicator Approach, Econometric Model Building and Opportunistic Model Building, Industry Analysis – Concept of Analysis, Industry Life Cycle, Industry Characteristics Company Analysis – Financial Statements, Analysis of Financial Statements, (Practical questions on Debt Equity Ratios, Total Debt Ratio, Proprietary ratios, interest coverage ratio, Profitability ratios related to sales, investment and equity shares Efficiency or Activity Ratios) and Assessment of Risk(Leverages)
February Unit IV	Technical Analysis Dow Theory Meaning and Principles of Technical Analysis, Price Chart, Line Chart, Bar Chart, Japanese Candlestick Chart, Trends and Trend Reversals, Chart Patterns, Support and Resistance, Reversal Patterns, Continuation Patterns and Elliot Wave Theory Mathematical Indicators - Calculation of Moving Averages (Simple and Exponential Moving Average), Oscillators and Relative Strength Index Market Indicators Fundamental Analysis V/s Technical Analysis
February/ March Unit V	Efficient Market Theory & CAPM: Random Walk Theory, The Efficient Market Hypothesis, Forms of Market Efficiency, Competitive Market Hypothesis, CAPM; Fundamental Notions of Portfolio Theory, Assumption of CAPM, Efficient Frontier with riskless lending and borrowing, Capital Market Line, Security Market Line and Pricing of securities with CAPM, Arbitrage Pricing Theory (APT): The Return Generating Model, Factors affecting Stock Return, Expected Return on Stock, APT V/s CAPM.
Course Outcome	• This course aims at developing an understanding of the changing domestic and Indian capital market in particular with reference to availability of various financial products. • It aims at providing an in-depth knowledge of the theory and practice of portfolio management. • Valuing equity and debt instruments. • Measuring the portfolio performances.

Teacher

Co-ordinator

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Semester / Term Syllabus Planning

Month	Topics to be covered
	SYBAF TAXATION
November Unit I	Tax Planning & Ethics in Taxation – Basic Concepts, Clubbing of Income – Section 60 to 65
December Unit II	Set Off & Carry Forward of Losses Sec: 70 – Set off Loss from one Source against Income from another Source under the Same Head of Income Sec: 71 – Set Off Loss from One Head against Income of another Head Sec: 71B – Carry Forward & Set off Losses from House Property Sec: 72 – Carry Forward & Set Off of Losses of Business Losses Sec: 73- Losses in Speculation Business Sec: 74- Loss under the head Capital Gains 3 Computation of Tax liability of Individual & HUF
January Unit III	Computation of Tax liability of Individual & HUF, Computation of Income of Partnership Firm in Relation to Sec: 40(b) & Tax Thereon With Applicable Rate of Tax Return of Income – Sec 139 Excluding u/s 139(4A), 139(4B), 139(4C) & 139 (4D). Tax Deduction at Source Advance Tax U/S 207, 208, 209, 210 & 211 Interest Payable U/S 234A, 234B, 234C Basic Aspects of Deduction of Taxes at Source Sec: 192 – TDS on Salary Sec: 194A – TDS on Interest Sec: 194C – TDS on Contractor Sec: 194H – TDS on Commission Sec: 194I – TDS on Rent Sec: 194J – TDS on Professional Fees
February Unit IV	Advance Tax U/S 207, 208, 209, 210 & 211 Sec: 207 – Income Liable to Advance Tax Sec: 208 – Liability of Advance Tax Sec: 209 – Computation of Advance Tax Sec: 210 – Payment of Advance Tax by Assesse on His Own Account Sec: 211 – Due Dates of Payment of Advance Tax Interest Payable U/S 234A, 234B, 234C Sec: 234A – Interest for default in furnishing return of income Sec: 234B – Interest for default in payment of advance tax Sec: 234C – Interest for deferment of advance tax.
February/ March Unit V	DTAA U/S 90 & 91
Course Outcome	After conclusion of study the students will be able to: • Able to compute to Compute Tax Liability of Firm. • Compute the tax liability of an individual. • Compute Advance Tax and Interest on Advance Tax. • Understand DTAA Provisions and Compute Tax liability. • Understand and compute TDS.
	SYBBI – Corporate and Securities Law
November Unit I	Company Law – An Overview A) Development of Company Law in India B) Doctrines Governing Corporates – Lifting the Corporate Veil, Doctrine of Ultra Vires, Constructive Notice, Indoor Management, After Ugo.
December	The Principle of Non Interference (Rule in Foss V/s Harbottle) – Meaning , Advantages

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SHRI SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, SANGHVI
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Semester / [illegible]

Month	Topics to be covered
Unit I	, Disadvantages & Exceptions, Majority and Minority Rights under Companies Act C Application of Company Law to Banking and Insurance Sector Application of Companies Act to Banking and Insurance sector governed by Special Acts, S.1(4) of Companies Act 2013 Exceptions provided (S.67(3), S.73(1), S.129(1), 179(3), S.180(1)(c), S.186, S.189
January Unit IV	C) Application of Company Law to Banking and Insurance Sector Application of Companies Act to Banking and Insurance sector governed by Special Acts, S.1(4) of Companies Act 2013 Exceptions provided (S.67(3), S.73(1), S.129(1), 179(3), S.180(1)(c), S.186, S.189.
February Unit IV	The Depositories Act, 1996: Meaning, Benefits, Functions and Depository Participants
February/ March Unit IV	Depositories Act, 1996
Course Outcome	• To understand Companies Act, 2013. • To understand the registration procedure of companies. • To Understand the Depositories Act, 1996.

Teacher

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SWAMI VIVEKANAND SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

SYBBI SEM-III

Sub: Information Technology in Banking & Insurance– I

Month	Topics to be covered
June/July	**1. Introduction to Electronic Commerce** E-Commerce Framework, E-Commerce and media convergence, anatomy of E-Commerce Applications, E-Commerce Consumer and Organization Applications B) The network Infrastructure for Electronic Commerce - Market forces influencing the I-way, Components of I-way, Network Access Equipment C) E-Commerce and World Wide Web- Architectural framework of E-Commerce, WWW and its architecture, hypertext publishing, Technology behind the web, Security and the Web
July/August	**2. E-banking** A) Meaning, definition, features, advantages and limitations- core banking, the evolution of e-banking in India, Legal framework for e-banking. B) Electronic Payment System: Types of Electronic Payment Systems, Digital Token-based EPS, Smart Card EPS, Credit Card EPS, Risk in EPS, Designing a EPS
August/September	**3.MS-Office: Packages for Institutional Automation:** A) MS-Word: Usage of smart art tools, bookmark, cross-reference, hyperlink, Mail merge utility and converting word as PDF files. B) MS-Excel: Manipulating data, Working with charts, Working with PIVOT table and what-if analysis; Advanced excel functions- Vlookup(),hlookup(),PV(), FV(),average(),goal seek(),AVERAGE(), MIN(), MAX(), COUNT(),COUNTA(), ROUND(), INT(), nestedfunctions,name,cells/ranges/constants, relative, absolute &mixed cell references C) Application in Banking and Insurance Sector – Calculation of Interest, Calculation of Installment, Calculation of Cash Flow, Calculation of Premium, Calculation of risk coverage in Insurance and Reporting.
September	**4 Cyber Law & Cyber Security:** A) Need of Cyber Law, History of Cyber Law in India B) Cyber Crimes: Various threats and attacks, Phishing, Key Loggers, Identity Theft, Call &SMS forging, e-mail related crimes, Denial of Service Attacks, Hacking, Online shopping frauds, Credit card frauds, Cyber Stalking C) Cyber Security: Computer Security, E-Security, Password Security and Reporting internet fraud

Teacher

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BHUNTS SANGHVI'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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SYBAF SEM-III

Sub: Information Technology in Accountancy – I

Month	Topics to be covered
June/July	**Introduction to Internet and other emerging technologies** Introduction – Networking: Introduction and types of network topologies – Internet components – electronic commerce – e-commerce applications – Electronic Data Exchange – Extranet – Payment systems – Risks and security considerations – Legal issues – Other emerging technologies
July/August	**Electronic Commerce** :-Meaning, Advantages and Limitations of E-Commerce, The role of Strategy in E-Commerce, Value chains in E-Commerce, Infrastructure for Electronic Commerce Web Based Tools for Electronic Commerce, Electronic Commerce software, Security Threats to electronic Commerce , Implementing Security for Electronic Commerce, Electronic Payment Systems **Office Productivity Tools** **MS Word:** Creating, Editing, Formatting. **MS Excel:** graphical presentations –charts, formulas and basic functions. **MS PowerPoint:** Animation, transition ,slide previews
August/September	**Web** Use of Various Web Browser, Information Searching Tools, Downloading, and Create New email ID, Sending Data through email, Search engine optimization. Use of Tools In Accounting :- Preparation of vouchers, invoices and reports, Calculation of Interest, Depreciation,TDS, Salary, Taxes, inventory and reconciliation
September	**Introduction to Computers** History of Computers, Parts of Computers Hardware: Specifications and Data Storage Management Software: Concept of System Software and Applications

Teacher

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Semester / Term Syllabus Planning
SYBMS SEM-III
Sub: Information Technology in Management – I

Month	Topics to be covered
June/July	**Module 1:- Email, Internet and its Applications** • **Internet** Concepts of Internet, Intranet, Extranet Networking Basics, Different types of networks, Concepts (Hubs, Bridges, Routers, IP addresses)Study of LAN, MAN, WAN • **DNS Basics** Domain Name Registration, Hosting Basics. • **Emergence of E-commerce and M-Commerce** Concept of E-commerce and M-Commerce Business models of e-commerce, Models based on revenue models, Electronic Funds Transfer, Electronic Data Interchange. • **Introduction to Email :**Writing professional emails Creating digitally signed documents.
July/August	**Module 2 :- E-Security Systems** • **Threats to Computer systems and control measures.** • **IT Risk:**-Definition, Measuring IT Risk, Risk Mitigation and Management • **Information Systems Security** • **Security on the internet** Network and website security risks • **E-Business Risk Management Issues** Firewall concept and component, Benefits of Firewall • **Understanding and defining Enterprise wide security framework** • **Information Security Environment in India with respect to real Time Application in Business** • **Threat Hunting Software**
August/September	**Module 3 :-Office Automation using MS Office** • Learn Word • Spreadsheet application (e.g. MS-Excel/openoffice.org) • Presentation Software
September	**Module 4:-Introduction to IT Support in Management** • **Information Technology concepts** • **Introduction to Information Systems and its major components.** Types and Levels of Information systems. • **Success and Failure of Information Technology.** Failures of Nike and AT&T • **Concept of Digital Economy and Digital Organization.** **IT Resources** Open Source Software - Concept and Applications • Study of Different Operating Systems. (Windows / Linux/ DOS)

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Semester / Term Syllabus Planning

TYBCom Semester-V

SUB: Computer Systems and Applications

MONTH	TOPICS TO BE COVERED
JUNE/JULY	**Module-I** **Data Communication, Networking and Internet** a. Data Communication components, data representation, distributed processing b. Networking Basics and Infrastructure: Definition, types(LAN,MAN,WAN) Advantages, Network structures, Topologies-Star,Bus,Ring,Network Media wired-twisted pair,Co-axial,fiber optic and wireless-Radio and infra-red
JULY/AUGUST	**Module-II : Spread Sheet** a. Creating and Navigating worksheets and adding information to worksheets:-types of data, Auto correct, Auto fill, Auto fit, Undo ,Redo, Moving data, Find and replace values, Spell check b.Multiple Spreadsheets: Adding,removing,hiding ,renaming worksheets, Add headers/Footers to a workbook, Page breaks, cell references,Absolute,Relative(within a worksheet, other workbooks) c. Functions: Financial Functions:FV,PV,PMT,PPMT,IPMT,NPER,RATE Mathematical &Statistical functions: ROUND,ROUNDDOWN,ROUNDUP,CEILING FLOOR,INT,MAX,MIN,MOD,SUM,COUNT, AVERAGE d. Data Analysis:Sorting,Subtotal Pivot Tables-Building Pivot Tables, Pivot Table regions
AUGUST/SEPT	**Module-III** a. Database and My SQL Introduction to Databases, Relational and Non-relational database system, MySQL as a non-procedural language, Views of data b.MySQL Basics Statements,names,datatypes,creating database, inserting data, updating data,deletingdata,expressions,CREATE,USE,ALTER,RENAME,SHOW,DESCRIBE and DROP ,PRIMARY KEY,FOREIGN KEY.
SEPTEMBER	**Module-IV Database and MySQL** a. MySQL Simple queries:-The SELECT statement (FROM, where, Group BY,Having,OrderBY,Distinct),Filtering Data by using conditions, Simple and complex conditions using logical, arithmetic and relational operators b. Multi-table queries: Simple joins(INNER JOIN),SQL Considerations for multi table queries c.Nested Queries(Only up to two levels)

Teacher

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SHRI SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, SAHAKARI SANKUL POWAI MUMBAI-76.

COURSES	LEARNING OUTCOME
Information Technology in Accountancy-I(SYBAF)	By the end of this course, the learner would be able to: • Understand the most popular, current technologies used at home and in the workplace. • The learner will become computer literate and will be able to access, create, save and manage documents, spreadsheets, present effective presentations, emails and use the Internet effectively. • Demonstrate a basic understanding of computer hardware and software. • Gain a comprehensive understanding of the E-Commerce landscape, current and emerging business models, and the technology and infrastructure underpinnings of the business. • Develop an understanding on how internet can help business grow • Gain an understanding on the importance of security, privacy, and ethical issues as they relate to E-Commerce.
Information Technology in Business Management-I(SYBMS)	By the end of this course, the learner would be able to: • The learner will become computer literate and will be able to access, create, save and manage documents, spreadsheets, present effective presentations, emails and use the Internet effectively. • Demonstrate a basic understanding of computer hardware and software. • Gain a comprehensive understanding of the E-Commerce landscape, current and emerging business models, and the technology and infrastructure underpinnings of the business. • Develop an understanding on how internet can help business grow • Gain an understanding on the importance of security, privacy, and ethical issues as they relate to E-Commerce. • Describe the types of information systems supporting the major functional areas of the business. • Evaluate the role of information systems in today's competitive business environment.
Information Technology in Banking and Insurance-I(SYBBI)	By the end of this course, the learner would be able to: • The learner will become computer literate and will be able to access, create, save and manage documents, spreadsheets, present effective presentations, emails and use the Internet effectively. • Gain a comprehensive understanding of the E-Commerce landscape, current and emerging business models, and the technology and infrastructure underpinnings of the business. • Develop an understanding on how internet can help business grow • Gain an understanding on the importance of security, privacy, and ethical issues as they relate to E-Commerce. • Describe fundamental concepts behind modern e-banking/mobile banking technologies
Computer Systems & Applications(TYBCOM)	By the end of this course, the learner would be able to. • The learner will become computer literate and will be able to access, create, save and manage spreadsheets, emails and use the Internet effectively. • Describe basic computer network technology; Data Communications System and its components, identify the different types of network topologies and protocols. Enumerate the layers of the OSI model and TCP/IP; network devices and their functions within a network; Familiarity with the basic protocols of computer networks. • Establish a basic understanding of the analysis and design of a database. Concepts like Relational databases, SQL functions, Use of Primary Key, Foreign Key and other Constraints, create tables and manipulate it in MySQL, join techniques, and are able to write queries.

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SYBBI SEM-IV

Information Technology in Banking & Insurance II

Month	Syllabus to be covered
November/ December	**E-banking Business Models:** Various models- home banking, office banking, online banking, internet banking, mobile banking, SMS banking, models of electronic payments, other business models. **MS-PowerPoint presentation**
December /January	**Induction of Techno Management:** Development Life Cycle, Project Management, Building Data Centres, Role of DBMS in Banking, Data Warehousing and Data Mining, RDBMS Tools. **Technological Changes in Indian Banking Industry:** Automated Clearing House Operations, Electronic Wholesale Banking Credit Transfer, Credit Information Bureau (I) Ltd., Credit Information Company Regulation Bill- 2004, Cheque clearing using MICR technology, Innovations, Products and Services, Core-Banking Solutions(CBS), Human Resource Development(HRD)-The Road Ahead. **Technology in Banking Industry:** Teleconferencing, Internet Banking, Digital Signature in Banking, MICR-Facility for 'paper-based' clearing, Cheque Truncation. **Dealing with Fraudulent transactions under CTS:** Efficient customer service, smart quill computer pen, Institute for Development & Research in Banking & Technology (IDRBT). **E-Checks-Protocols and Standards:** Problems on mechanization, e-Banking-RBI Regulations & Supervision, Technology Diffusion. **MS-PowerPoint presentation**
January/February	**IT Applications and Banking** Objectives, Electronic Commerce and Banking, Banking Software, Electronic Clearing and Settlement Systems, Plastic Money. **MS-PowerPoint presentation**
February /March	**Applications of Internet** Introduction to e-mail, writing professional e-mails, creating digitally signed documents, use of outlook express, Google drive: usage of Google drive in storing the Google documents, excel sheets, presentations and PDF files.
Course Outcome:	The learner would be able to : • Describe the fundamental concepts behind modern e-banking/mobile banking technologies. • Gain an understanding on the importance of security, privacy and ethical issues as they relate to e-commerce. • Develop an effective presentation, emails and use the internet effectively.

Teacher Co-ordinator Principal

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SYBAF SEM-IV
Information Technology in Accountancy – II

Month	Syllabus to be covered
November/December	**Business Process** Introduction, Definition and Meaning of business process ,Flow of business process for accounting, purchase, sales and finance ,Classification of business processes ,Introduction, Definition and Meaning of Business Process Management Principles and practices of Business Process Management, Business Process Management life cycle. Theories of Business Management Process, Implementation of Business process Management – need, key factors and importance. Automation of business Processes – benefits, risks, challenges. Accounting systems automation IT and Business Process Management Information systems – Meaning, Use of IT in accountancy
December /January	**Computerized accounting system** Introduction and meaning, Uses and Benefits Role, Need and requirements of computerized accounting ,Basic requirements of computerized accounting system Limitations of computerized accounting system Understand the development and design of a computerized accounting system determining how the accounting data will be processed, i.e. what accounts and books are needed and what is the desired output i.e. financial reports and other reports. **Accounting Software** Introduction and meaning, Advantages of accounting software. Uses of Accounting software .Various accounting softwares Accounting software TALLY – Accounting and reports
January/February	**Concept of MIS Reports in Computer Environment** Introduction ,concept of MIS, Need of MIS, Characteristic of MIS,Role of MIS, Knowledge required for studying MIS
February /March	**IT and Auditing** Need and importance of IT in auditing Auditing in IT environment
Course Outcome:	The learner would be able to : • Describe the types of information systems supporting the major functional areas of the business. • Evaluate the role of information systems in today's competitive business environment. • Describe the need and benefits of computerized Accounting. • Describe the need and importance of IT in auditing.

Co-ordinator

Principal

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(BMS) Programme at Semester IV

Information Technology in Business Management-II

Month	Syllabus to be covered
November/December	Introduction to database and data warehouse Introduction to DBMS Meaning of DBMS, Need for using DBMS, Concepts of tables, records, attributes, keys, integrity constraints, schema architecture, data independence Data Warehousing and Data Mining Concepts of Data warehousing, Importance of data warehouse for an organization, Characteristics of Data warehouse, Functions of Data warehouse, Data warehouse architecture, Business use of data warehouse, Standard Reports and queries Data Mining
December /January	Outsourcing Introduction to Outsourcing Business Process Outsourcing (BPO) BPO Vendors, BPO Business Model , BPO to KPO Outsourcing in Cloud Environment Traditional Outsourcing Vs. Cloud Computing
January/February	ERP/E-SCM/E-CRM • Concepts of ERP, Architecture of ERP, Applications of ERP,ERP Implementation concepts ,ERP lifecycle • Concept of XRP (extended ERP) • Concept of e-CRM E-CRM Solutions and its advantages, How technology helps? • CRM Capabilities and customer Life cycle, Privacy Issues and CRM, Data Mining and CRM,CRM and workflow Automation • Concept of E-SCM: Major Trends in e-SCM, Case studies ERP/SCM/CRM Management Information System
February /March	• Overview of MIS, Subsystems of MIS (Activity and Functional subsystems),Structure of MIS, Reasons for failure of MIS, Understanding Major Functional Systems: Sub systems, description and organizational levels • Decision support system and its applications
Course Outcome:	The learner would be able to : • Establish basic understanding of the analysis and design of a database. • Gain an understanding of concepts like relational databases, data warehouses and data mining. • Develop an understanding on concepts like outsourcing, outsourcing in cloud environment etc. • Evaluate the role and benefits of ERP/E-SCM/E-CRM. • Describe the types of information systems supporting the major functional areas of the business. • Describe the applications of DSS (Decision Support Systems).

Teacher | Co-ordinator | Principal

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Semester / Term Syllabus Planning

TYBCom Semester-VI Computer Systems and Applications	
Month	Syllabus to be covered
November/ December	Ecommerce Definition of e-commerce, features, types of e-commerce, business models in e-commerce. Major B2C models-commerce security. Encryption, payment systems,limitatons of e-commerce, M-commerce(Definition and features)
December/ January	Advanced Ms-Excel Date functions :- TODAY,NOW,DATE,TIME,DAY,MONTH,YEAR,WEEKDAY DAYS360 String functions:- LEFT,RIGHT,MID,LEN,UPPER,LOWER,PROPER,TRIM Conditional logic functions:- IF, Nested IF,COUNTIF,SUMIF,AVERAGEIF Statistical Functions :- COUNTA,COUNTBLANK,CORREL Database Functions:- LOOKUP,VLOOKUP,HLOOKUP Data Analysis: Graphical representation of data, column ,pie, line bar charts Goal seek, using solver
January /February	Visual Basic Introduction to Visual Basic,GUI Introduction to VB Controls Variables, Constants and Calculations Decision and condition Sub-procedures and sub-functions
Course Outcome	• The learners will become computer literate and will be able to access, create, save and manage spreadsheets, emails and use the internet effectively. • They will be familiar with the visual basic programming language. • Gain an understanding on the importance of security, privacy and ethical issues as they relate to e-commerce.

Teacher

Co-ordinator

Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
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Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have completed the syllabus of the following subjects which are allotted to me in this semester. FYBBI - Financial Accounting (04) FYBBI - Principles of Management (04) FYBAF - Financial Accounting (04) FYBAF - Business Environment (02) SYBAF - Cost Accounting (04) SYBBI - Direct Taxation (04) 22 5/10/19.	Nimbif 24/10/20

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Work Diary

ject : _____

ate	Class & Time	Subject Taught	Topics Covered	Signature
3/20	S4BBI 7·30-8·20	Cost Accounting	Marginal costing – sum solved	
	S4BAF 8·20-9·10	Foundation Course, fin mgt	Co-ordination - features, importance - explained.	Nivedita
	F4BAF 9·10-10·00	Financial Accounting	Fire insurance - sum solved.	
	T4BBI 10·20-11·10	International Business	Exchange control provisions for imports - explained	Nivedita
3/20	T4BBI 10·20-11·10	International Business.	Foreign Trade Policy highlights - explained.	
7/3/20			I hereby declare that I have Completed the syllabus of the following subjects which are allotted to me in this semester F4BBI - Principles & Practices of Banking & Insurance - (4)	Nivedita

Co-ordinator

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SMT. SM. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
			FYBAF - Financial Accounting (4) FYBAF - Auditing (2) SYBBI - Cost Accounting (4) SYBAF - Foundation Course in Management (4) TYBBI - International Business (4) Nivel 17/3/20 17/3/2020	Nivel 17/3/2020

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BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject : INFORMATION TECHNOLOGY

Date	Class & Time	Subject Taught	Topics Covered	Signature
25/9/19	SYBBI 11:00-12:00	IT-I	Revision session, Paper pattern discussed.	
7/9/19	TYBCOM-A 7:30-9:10am	Computer Systems & Applications	Revision on MySQL, Previous year question discussed on MySQL	
			I hereby declare that I have successfully completed my syllabus in the following classes:- TYBCOM :- Computer Systems & Applications (6 lectures) SYBBI :- Information Technology in Banking & Insurance - I (4 lecture) SYBAF :- Information Technology in Accountancy - I (4 le SYBMS :- Information technology in Management - I (4 l 5/9/19	

Co-ordinator

Principal

3079/201

SWAMI VIVEKANAND SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES - POWAI MUMBAI-76.

Work Diary

Subject : Information Technology - I

Date	Class & Time	Subject Taught	Topics Covered	Signature
12th Mar, 20	SYBMS - B 10:20 - 11:10 am	IT - II	PPT on DSS, components, classification MIS V/S DSS, Question Bank	
	SYBMS - A 11:10 - 12:00 pm	IT - II	Presentations & Question Bank	
			I hereby declare that I have successfully completed my syllabus in the following classes:- TYBCOM :- Computer Systems & Applications - II (6 lectures) SYBBI :- Information Technology in Banking & Insurance - II (4 lectures) SYBAF :- Information Technology in Accountancy - II (4 lectures) SYBMS Information Technology in Management - II (4 lectures)	

12/3/2020

12/3/2020

Co-ordinator

Principal

SWAMI VIVEKANAND SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES GRADUATE'S SANGHO
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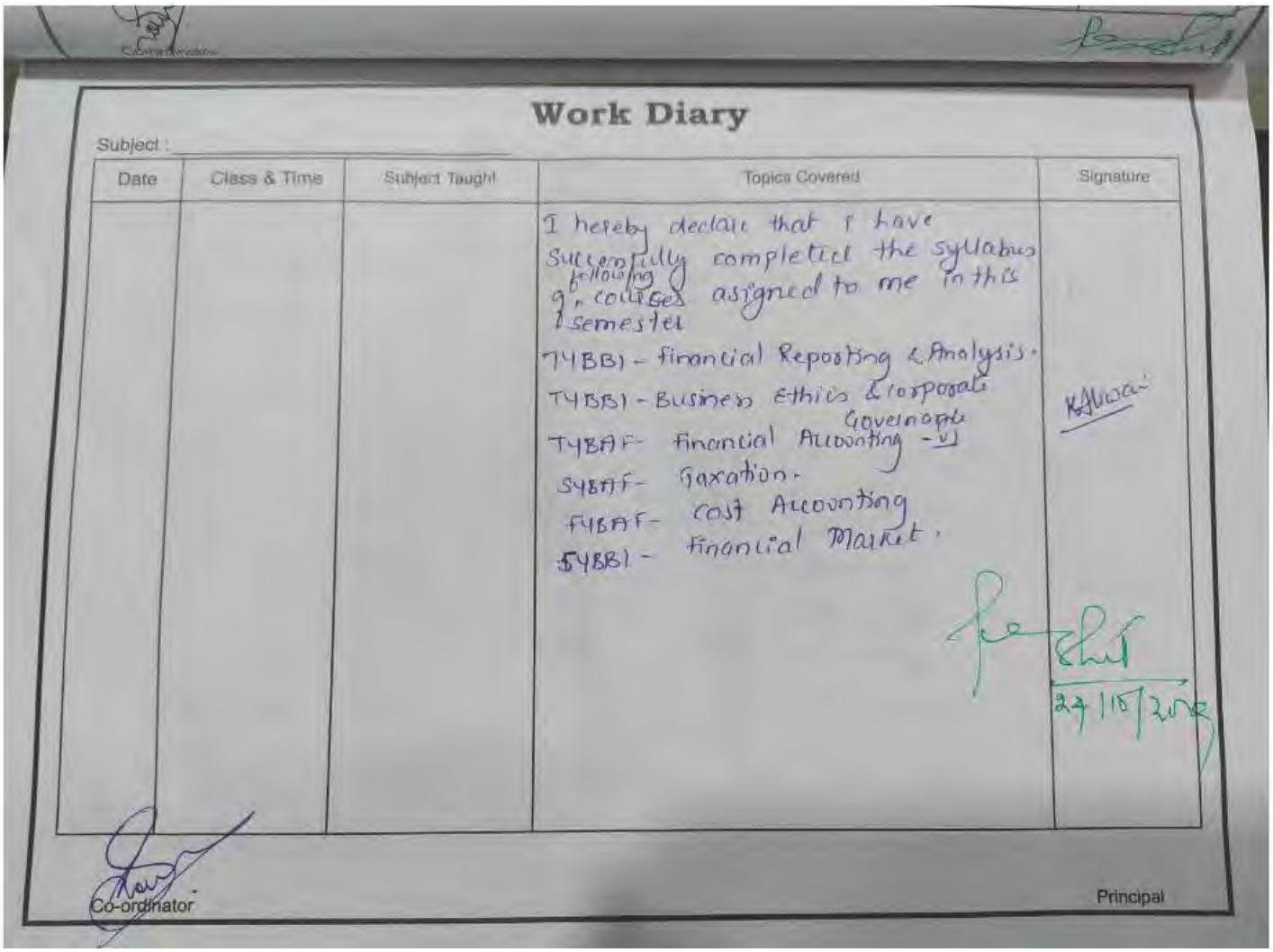

Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that I have successfully completed the syllabus following 9 courses asigned to me in this semester TYBBI - Financial Reporting & Analysis. TYBBI - Business Ethics & Corporate Governance TYBAF - Financial Accounting - VI SYBAF - Taxation. FYBAF - Cost Accounting SYBBI - Financial Market.	KAliwai 24/10/2022

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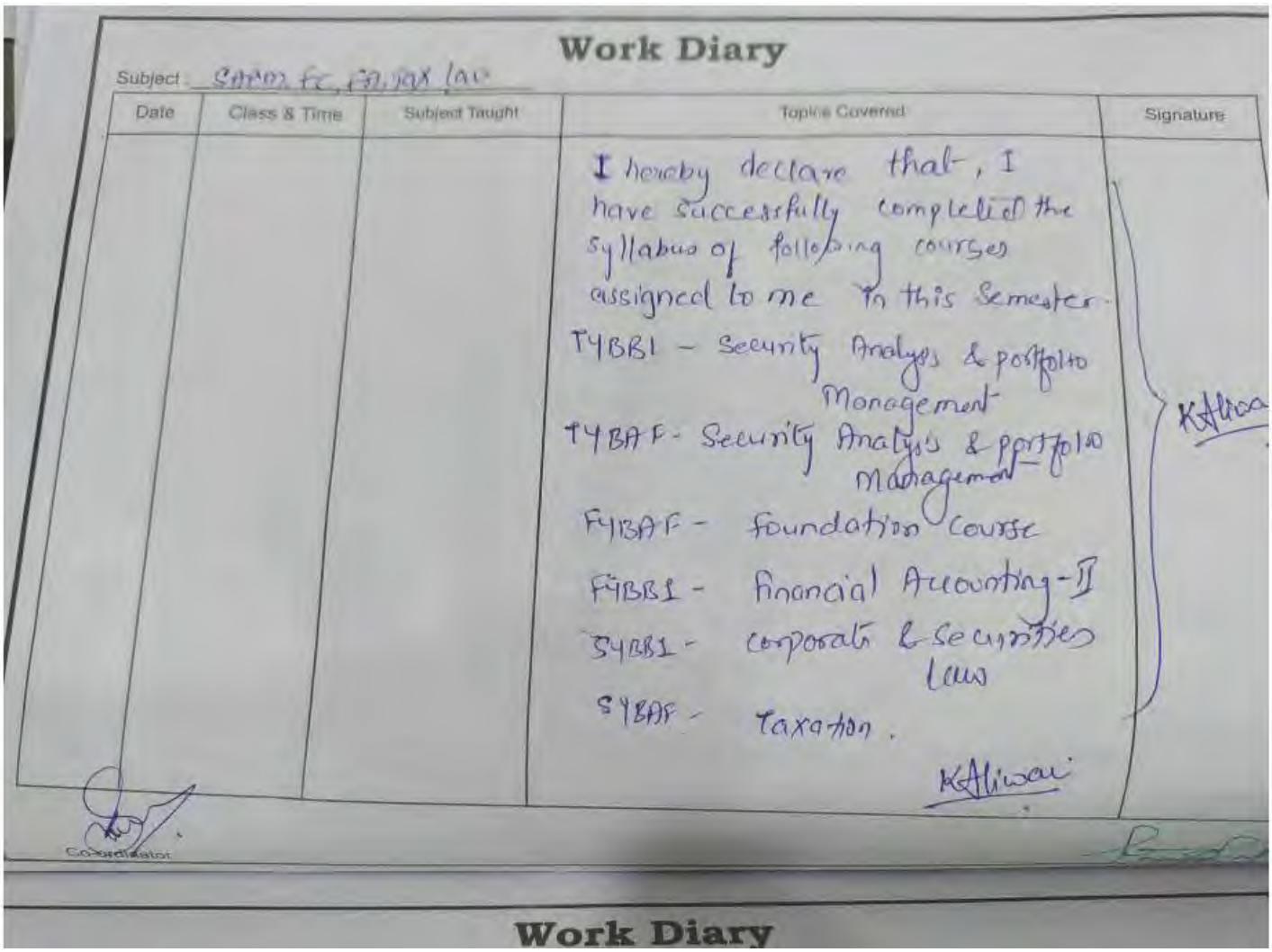

Work Diary

Subject: SAPM, FC, FA, Tax law

Date	Class & Time	Subject Taught	Topics Covered	Signature
			I hereby declare that, I have successfully completed the syllabus of following courses assigned to me in this Semester. TYBBI - Security Analysis & portfolio Management TYBAF - Security Analysis & portfolio Management FYBAF - foundation course FYBBI - financial Accounting - II SYBBI - corporate & securities law SYBAF - Taxation. KAliwai	KAliwa

Co-ordinator

Work Diary

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject : ACCOUNTANCY

Date	Class & Time	Subject Taught	Topics Covered	Signature
30/09/19	FYBBI - 08.20 To 09.10	Foundation Course -	Significant aspect of Political Process —	[signature]
	TYBCOM-A - 09.10 To 10.00	FINANCIAL ACCOUNTING -	Buy Back of Shares —	[signature]
	SYBBI - 10.20 To 11.10	Organizational Behaviour -	Organizational Behaviour in Banking & Business Sector —	[signature]

I declare that i have completed Syllabus of Below mentioned Subjects :-

- TYBCOM-A&B - FINANCIAL ACCOUNTING
- SYBBI - Organizational Behaviour
- SYBAF - FINANCIAL ACCOUNTING
- FYBAF - BUSINESS ENVIRONMENT
- FYBBI - FOUNDATION COURSE

[signature] 05/10/19

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POWAI MUMBAI-76.

Work Diary

Subject : Accountancy

Date	Class & Time	Subject Taught	Topics Covered	Signature
28/02/20	TYBCOM A&B ~~[illegible]~~ 07:30 To 09:10	Financial Accounting	Liquidation of Companies	[signature]

I declare that i have completed the syllabus of Below mentioned Subjects -

TYBCOM A & B - Financial Accounting
SYBBI - Entrepreneurship Mgt
SYBAF - Financial Accounting
FYBAF - Auditing
FYBBI - Foundation Course

[signature] 05/03/2020

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Principal

BUNTS SANGHAS S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject : _____

Date	Class & Time	Subject Taught	Topics Covered	Signature
30/9/19	TYBAF 7.30-8.20	Financial Accounting	Practical Sum Solved in the class of Amalgamation	Sshetty
	FYBAF 8.20-9.10	Financial Management	Venture Capital, Demerits of Debentures	Sshetty
1/10/19	FYBAF 7.30-8.20	Financial Management	Trade Credit, Bill Discounting, Commercial paper / Certificate of Deposit.	Sshetty
	TYBAF 8.20-9.10	Financial Accounting	Practical Sum Solved in the class of Amalgamation of Company.	Sshetty
			I hereby Declare that I have Completed my Syllabus For Sept Term. which was allotted to me.	Sshetty
			Financial Management - FYBAF (4)	
			Foundation Course - SYBBI (2)	
			Environment Management - FYBBI (4) and Financial Service	
			Financial Service Mgmt - TYBBI (4)	
			Financial Accounting - TYBAF (4)	
			Financial Management - SYBBI (4)	
			Total → 22	

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Date	Class & Time	Subject Taught	Topics Covered	Signature
12/3/20	TYBAF 11.10–12.00	Financial Accounting	Practical Sum Solved in the class of Co-operative Society	Sushetty
13/3/20	TYBAF 7.30–8.20	Financial Accounting	Practical sum Solved in the class of Co-operative Housing Society.	Sushetty
	TYBAF 8.20–9.10	Financial Accounting	Practical Sum Solved in the class of Co-operative Housing Society	Sushetty
14/3/20	TYBAF 7.30–8.20	Financial Accounting	Practical Sum Solved in the class of Consumer- Co-operative Society	Sushetty
	TYBAF 8.20–9.10	Financial Accounting	Practical Sum Solved in the class of Consumer Co-operative Society	Sushetty
7/3/20			I hereby Declare that I have Completed the Syllabus. Following Subjects which are alloted to me in this Semester. FYBAF - Innovative Financial Services (4)	Sushetty

Co-ordinator

Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
			SYBBI – Financial Management (4) SYBBI – Foundation Course (4) FYBCOM – Foundation Course (6) TYBAF – Financial Accounting (4) Sshetty 17/3/2020 17/3/2020	Sshetty 17/3/2020

Co-ordinator

Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
25/9/19	S.Y. BBI [7.30-8.20] [10.20-11.00]	M.M	Bonus Shares & Stock Splits - Calculation of revised share capital	
	T.Y. BAF [8.20-9.10]	F.M.	Credit Policy: Sum solved	
/10/19	T.Y. BAF [9.10-10.00]	F.M.	Revision from 1-5 units.	30/9/2019

I hereby declare that I have successfully completed the subjects alloted to me in the I term of academic year 2019-20.

CLASS:	SUB:	
T.Y.BAF	Financial Management	(4)
T.Y.BBI	Auditing	(4)
S.Y.BBI	Financial Management	(4)
S.Y. Bcom	Management Accounting	(8)/20

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SMT. SHANTABEN SHANTILAL SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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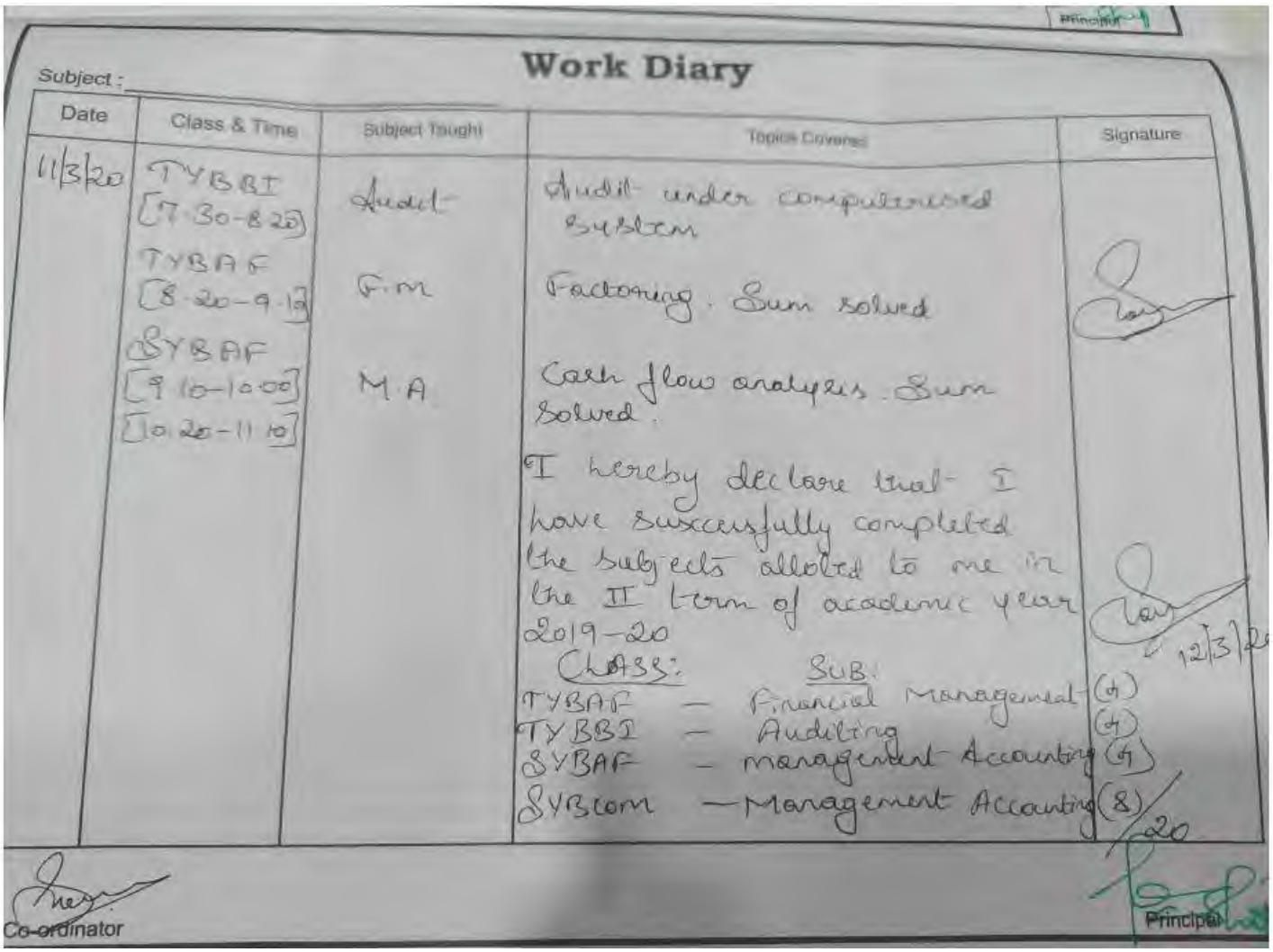

Work Diary

Subject :

Date	Class & Time	Subject Taught	Topics Covered	Signature
11/3/20	TYBBI [7.30-8.20]	Audit	Audit under computerised system	
	TYBAF [8.20-9.10]	F.M	Factoring. Sum solved	
	SYBAF [9.10-10.00]	M.A	Cash flow analysis. Sum solved.	
	[10.20-11.10]		I hereby declare that I have successfully completed the subjects alloted to me in the II term of academic year 2019-20	12/3/20
			CLASS: SUB:	
			TYBAF — Financial Management (4)	
			TYBBI — Auditing (4)	
			SYBAF — management Accounting (4)	
			SYBcom — Management Accounting (8)	20

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Semester / Term Syllabus Planning

T.Y.B.COM

Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand in a better way where to Invest Money in Debentures or in Equity Shares. 2. Read, understand, interpret and analyze the Financial Statements of Companies. 3. Understand the causes & Effects of Internal Reconstructions. 4. Understand the legal & accounting aspects of Buy Back of Shares. 5. Understand the importance & effects of ethical behavior of Accountants in the society.

JUNE-2019	**Investment Accounting (w.r.t. Accounting Standard - 13)**
	For Shares (Variable Income Bearing Securities)
	For Debentures / Preference Shares (Fixed Income Bearing Securities)
	Accounting for Transactions of Purchase and Sale of Investments with Ex and Cum Interest Prices and Finding Cost of Investment Sold and Carrying Cost as per Weighted Average Method (Excluding Brokerage)
	Columnar Format for Investment Account
JULY-2019	**Preparation of Final Accounts of Companies**
	Relevant Provisions of Companies Act related to Preparation of Final Account (excluding Cash Flow Statement)
	Preparation of Financial Statements as per Companies Act (excluding Cash Flow Statement)
	AS 1 in relation to Final Accounts of Companies (Disclosure of Accounting Policies)
AUGUST-2019	**Internal Reconstruction**
	Need For Reconstruction and Company Law Provisions
	Distinction Between Internal and External Reconstructions
	Methods including alteration of Share Capital, Variation of Shareholder Rights, Sub-division, Consolidation, Surrender and Re-issue / Cancellation, Reduction of Share Capital with relevant Legal Provisions and Accounting treatment for same
SEPT 2019	**Buy Back of Shares**
	Company Law / Legal Provisions (including Related Restrictions, Power, Transfer to Capital Redemption Reserve Account and Prohibitions)
	Compliance of Conditions including Sources, Maximum Limits and Debt Equity Ratio, Cancellation of Share [illegible] Back (excluding Buy Back of Minority Shareholding)

Teacher

Co-ordinator

Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Semester / Term Syllabus Planning

Month	Topics to be covered
SEPT-2019	**Ethical Behaviour and Implications For Accountants** Introduction, Meaning of Ethical Behaviour Financial Reports - What is the Link Between Law, Corporate Governance, Corporate Social Responsibility and Ethics ? S.Y.BAF

Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Read, understand, interpret and analyze Amalgamation, Merger & Acquisition norms. 2. Read, understand, interpret and analyze the Financial Statements of Partnership Firm including Admission, Retirement & Death Effects. 3. Understand the Legal & Accounting norms of Conversion of Partnership firm in to LTD. Company. 4. Understand the Accounting of Foreign Transactions. 5. Understand the practical application of Dissolution of Partnership Firm.

JUNE-2019	**Accounting of Transactions of Foreign Currency** In relation to purchase and sale of goods, services and assets and loan and credit transactions. Computation and treatment of exchange rate differences
JULY-2019	**Partnership Final Accounts based on Adjustment of Admission or Retirement / Death of a Partner during the Year** Simple final accounts questions to demonstrate the effect on final Accounts when a partner is admitted during the year or when partner Retires / dies during the year Allocation of gross profit prior to and after admission / retirement / death when stock on the date of admission / retirement is not given and apportionment of other expenses based on time / Sales /other given basis Ascertainment of gross profit prior to and after admission / retirement / death when stock on the date of admission / retirement is given and apportionment of other expenses based on time / Sales / other given basis Excluding Questions where admission / retirement / death takes place in the same year

Teacher Co-ordinator Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Semester / Term Syllabus Planning

Month	Topics to be covered
July - 2019	**Piecemeal Distribution of Cash** Excess Capital Method only Asset taken over by a Partner Treatment of past profits or past losses in the Balance sheet Contingent liabilities / Realization expenses / amount kept aside for expenses and adjustment of actual Treatment of secured liabilities Treatment of Preferential Liabilities like Govt. dues / labour dues etc. Excluding: Insolvency of Partner and Maximum Loss Method
August - 2019	**Amalgamation of Firms** Realization method only Calculation of purchase consideration Journal/ledger accounts of old firms Preparing Balance sheet of new firm Adjustment of goodwill in the new firm Realignment of capitals in the new firm by current accounts / cash or a combination thereof Excluding: Common transactions between the amalgamating firms
Sept - 2019	**Conversion / Sale of a Partnership Firm into a Ltd. Company** Realisation method only Calculation of New Purchase consideration, Journal / Ledger Accounts of old firms Preparing Balance Sheet of new company

F.Y.BBI

Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand overview of Indian Society. 2. Understand concept of Disparity & reasons of Disparity. 3. Understand the Rights given to Indian Citizen by The Indian Constitution. 4. Understand the significant aspects of Political Processes. 5. Project given to students will help them to understand the ground realities problem faced by the people in various areas.

Teacher

Co-ordinator

Principal

SWAMI VIVEKANAND SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
POWAI
MUMBAI-76.

Semester / Term Syllabus Planning

Month	Topics to be covered
JULY 2019	**Unit - 1 : Overview of Indian Society** (5 Lec.) Understand the multi-cultural diversity of Indian society through its demographic composition, population distribution according to religion, caste, and gender. Appreciate the concept of linguistic diversity in relation to the Indian situation. Understand regional variations according to rural, urban and tribal characteristics. Understanding the concept of diversity as différance.
JULY 2019	**Unit - 2 : Concept of Disparity - 1** (10 Lec.) Understand the concept of disparity as arising out of stratification and inequality. Explore the disparities arising out of gender with special reference to violence against women, female foeticide (declining sex ratio), and portrayal of women in media. Appreciate the inequalities faced by people with disabilities and understand the issues of people with physical and mental disabilities.
AUGUST - 2019	**Unit - 3 : Concept of Disparity - 2** (10 Lec.) Examine inequalities manifested due to the caste system and inter-group conflicts arising thereof. Understand inter-group conflicts arising out of communalism. Examine the causes and effects of conflicts arising out of regionalism and linguistic differences.
SEPT - 2019 -	**Unit - 4 : The Indian Constitution** (10 Lec.) Philosophy of the Constitution as set out in the Preamble. The structure of the Constitution - the Preamble, Main Body and Schedules. Fundamental Duties of the Indian Citizen; tolerance, peace and communal harmony as crucial values in strengthening the social fabric of Indian society. Basic features of the Constitution.
SEPT - 2019 - & OCT	**Unit - 5 : Significant Aspects of Political Processes** (10 Lec.) The party system in Indian politics. Local self-government in urban and rural areas. The 73rd and 74th Amendments and their implications for inclusive politics. Role and significance of women in politics. **Topics for Project Guidance : Growing Social Problems in India** • Substance abuse - impact on youth & challenges for the future • HIV/AIDS - awareness, prevention, treatment and services • Problems of the elderly - causes, implications and response • Issue of child labour - magnitude, causes, effects and response • Child abuse - effects and ways to prevent • Trafficking of women - causes, effects and response **Note :** Out of the 45 lectures allotted for 5 units for Semester I, about 10 lectures may be allotted for project guidance.

Teacher

Co-ordinator

Principal

SMT. MANEKBAI SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

Semester / Term Syllabus Planning

SY BBI

Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand The Concept of Individual Behavior. 2. Understand The Concept & Importance of Group Dynamics. 3. Understand the Concept of Organizational Dynamics. 4. Understand the Organization behavior in Banking Sector. 5. Understand the Organization behavior in Insurance Sector.

JUNE-2019

1. The Individual Behaviour **(15 Lectures)**

(A) **Personality:** Meaning, Determinants of Personality, Major Personality Traits influencing OB, The Big Five Model, Trait Theory of Personality, Psychoanalytic Theory of Personality, Freud Stages of Personality Development, Locus of Control, Self-Monitoring.

(B) **Learning:** Meaning and Definition of Learning - The Learning Process, Principles of Learning, Theories of Learning - Classical Conditioning, Operant Conditioning, Social Learning Theory, Learning through Reinforcement, Learning by Observing, Learning through Experience.

(C) **Perception:** Meaning, Factors Influencing Perception, Attribution Theory, Improving Perceptions - Johari Window, Empathy.

(D) **Workplace Emotions, Values and Ethics:** Meaning of Emotions, Cognitive Dissonance, Emotional Dissonance, Managing Emotions at Work (Emotional Labour) - The Six Universal Emotions, Meaning and Types of Values, Sources of Value Systems, Values Across Cultures, Values and Ethical Behaviour.

(E) **Individual Decision Making:** How are Decisions made in Organization, Decision Making Process, Decisional Styles.

JULY 2019

2. The Group Dynamics **(15 Lectures)**

(A) **Group Communication:** Importance, Corporate Communication - Need, Importance and Techniques of Corporate Communication.

(B) **Power and Politics:** Meaning of Power, Bases of Power, Power Tactics, Organizational Politics, Reasons for Organizational Politics, Managing Organizational Politics.

Teacher Co-ordinator Principal

BUNTS SANGHA'S S.M. SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES
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Semester / Term Syllabus Planning

Month	Topics to be covered
	Transactional Analysis Model: Types of Transactions, Ego States, Life Positions, Elaboration of Transactional Styles.
	Virtual Teams and Group Cohesiveness: Structure, Types, Stages in Management of Virtual Teams. Features of Cohesive Groups, Effects / Consequences / Impact of Group Cohesion.
	Group Decision-Making: Advantages, Disadvantages, Assumptions, Managing Group Decision-Making, Strength and Weakness of Group Decision-Making.
AUGUST-2019	3. **The Organizational Dynamics** **(15 Lectures)**
	(A) **Organization Structure:** Meaning, Meaning and Key Features of the Concept of Centralization, Decentralization, Span of Control and Departmentation, Simple Structure, Bureaucratic & Matrix Structure
	(B) **New Design Options:** Team Structure, Virtual Organizations, Boundaryless Organizations
	(C) **Organization Structure Differentiation:** Strategy, Organization Size, Technology & Environment, Organizational Designs and Employee Behaviour.
	(D) **Organizational Climate:** Impact of Communication, Impact of Rewards & Punishment, Quality Work-life with Reference to Banking & Insurance, Job Frustration - Sources, Causes, Effects, Ways to Overcome Frustration, Impact of Frustration on Banking and Insurance Companies.
SEPT-2019	4. **Organization Behaviour in Banking and Insurance Sector** **(15 Lectures)**
	(A) Practices of OB in Banks and Insurance
	(B) Issue of Organization Behaviour in Banks
	(C) Strategies to Manage Issues of Organization Behaviour in Banks
	(D) Case Studies - Transfer, Promotion, Separation

Teacher

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SHETTY COLLEGE OF SCIENCE, COMMERCE & MANAGEMENT STUDIES, POWAI, MUMBAI-76.

Semester / Term Syllabus Planning

Month	Topics to be covered
Programme Outcome	FYBAF
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand The Concept & Importance of Corporate Social Responsibility. 2. Understand The Concept & Importance of Corporate Governance. 3. Understand the Concept, Importance & Benefits of Social Audit. 4. Understand the International Environment for Trade & Commerce. 5. Understand the FDI Investment & Foreign Trade in India.
JULY & AUGUST 2019	**Module 3 : Contemporary Issues** (15 Lec.) (a) Corporate Social Responsibility and Corporate Governance: Social Responsibility of Business, Ecology and Business, Carbon Credit (b) Social Audit: Evolution of Social Audit, Benefits of Social Audit, Social Audit v/s Commercial Audit
SEPT & OCT 2019	**Module 4 : International Environment** (15 Lec.) (a) Strategies for going Global: MNCs and TNCs, WTO (b) Foreign Trade in India- Balance of Trade, FDI Investment Flows and its Implication for Indian Industries

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II Semester / Term Syllabus Planning

Month	Topics to be covered
	T.Y.B.COM
Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand Amalgamation, Absorption & External Reconstruction Theory as well as Practical Application. 2. Read, understand, interpret and analyze the Financial Statements of Limited Liability Partnership (LLP) 3. Understand Underwriting of Shares & Debentures. 4. Understand the legal & accounting aspects of Liquidation of Companies. 5. Understand the Accounting of Foreign Currency Transactions – Foreign Branches as per AS 11
Nov & Dec 2019	**AS - 14 - Amalgamtion, Absorption and External Reconstruction (Excluding Inter-Company holdings) (15 Lec.)** In the nature of merger and purchase with corresponding accounting treatments of pooling of interests and purchase method respectively. Meaning and Computation of Purchase Consideration. Problems based on Purchase Method only.
JAN-2020	**Accounting of Transactions of Foreign Currency (15 Lec.)** In relation to purchase and sale of goods, services and assets and loan and credit transactions Computation and Treatment of Exchange Rate Differences.
JAN 2020	**Liquidation of Companies (10 Lec.)** Meaning of Liquidation or Winding up Preferential Payments Overriding Preferential Payments Preparation of Statement of Affairs, Deficit / Surplus Account Liquidator's Final Statement of Account

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Semester / Term Syllabus Planning

Month	Topics to be covered
Feb 2020	**Underwriting of Shares and Debentures** (10 Lec.) Introduction, Underwriting, Underwriting Commission Provision of Companies Act with respect to Payment of Underwriting Commission Underwriters, Sub-Underwriters, Brokers and Manager to Issues Types of Underwriting, Abatement Clause Marked, Unmarked and Firm-Underwriting Applications, Liability of the Underwriters in respect of Underwriting Contract Practical Problems
MARCH 2020	**Accounting For Limited Liability Partnership** (10 Lec.) Statutory Provisions Conversion of Partnership Firm into LLP Final Accounts

S.Y.BAF

Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Read, understand, interpret and analyze Redemption of Preference Shares. 2. Read, understand, interpret and analyze the Financial Statements of Company. 3. Read, understand, interpret and analyze Redemption of Debentures. 4. Understand the Accounting of Foreign Transactions – Foreign Branches. 5. Understand the practical application of Profit Prior to Incorporation.

Dec 2019	**Foreign Branch** (10 Lec.) Conversion as per AS 11 and incorporation in HO accounts
~~Dec~~ Jan 2020	**Preparation of Final Accounts of Companies** (15 Lec.) Relevant provisions of Companies Act related to preparation of Final Account (excluding cash flow statement) Preparation of financial statements as per Companies Act. (excluding cash flow statement) AS.1 in relation to final accounts of companies (disclosure of accounting policies)

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Semester / Term Syllabus Planning

Month	Topics to be covered
FEB 2020	**Redemption of Preference Shares** (10 Lec.) Provision of the Companies Act for redemption of Preference Shares (Sec. 55 of the Companies Act, 2013), Companies (Share and Debentures) Rules. Methods of Redemption of fully paid up Preference Shares as per Companies Act, 2013. The proceed of a fresh issue of shares, the capitalisation of undistributed profits and a combination of both, calculation of minimum fresh issue to provide the fund for redemption (Question on entries and/or Balance Sheet) Note: Companies governed by Section 133 of the Companies Act, 2013 and comply with the accounting standards prescribed for them. Hence, the balance in security premium account not to be utilised for premium payable on redemption of preference shares.
MARCH 2020	**Redemption of Debentures** (15 Lec.) Introduction : Provisions of Section 71 (1) and (4) of the Companies Act, 2013, Creation and investment of DRR including The Companies (Share Capital and Debentures) Rules, 2014, the methods of writing-off discount/loss on issue of debentures; Terms of issue of debentures Methods of redemption of debentures: By payment in lumpsum and by payment in instalments (excluding from by purchase in open market). Conversion (Question on entries, ledgers and/or Balance Sheet and /or redemption of preference shares)
MARCH 2020	**Ascertainment and Treatment of Profit Prior to Incorporation** (10 Lec.) Principles for ascertainment Preparation of separate, combined and columnar Profit and Loss Account including different basis of allocation of expenses / incomes

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Semester / Term Syllabus Planning

Month	Topics to be covered F.Y.BBI
Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand Globalization & Indian Society. 2. Understand concept of Human Rights. 3. Understand the Rights given to Indian Citizen by The Indian Constitution. 4. Understand the Concept of Ecology. 5. Understanding Stress & Conflict. 6. Learn how to manage Stress & Conflict. 7. Project given to students will help them to understand the ground realities & problem faced by the people in various areas.
Nov & Dec 2019	**Unit 1 : Globalisation and Indian Society** (7 Lec.) Understanding the concepts of liberalization, privatization and globalization Growth of information technology and communication and its impact manifested in everyday life. Impact of globalization on industry, changes in employment and increasing migration; Changes in agrarian sector due to globalization, rise in corporate farming and increase in farmers' suicides.
DEC 2019 & JAN 2020	**Unit 2 : Human Rights** (10 Lec.) Concept of Human Rights; origin and evolution of the concept The Universal Declaration of Human Rights; Human Rights constituents with special reference to Fundamental Rights stated in the Constitution
JAN 2020	**Unit 3 : Ecology** (10 Lec.) Importance of Environment Studies in the current developmental context; Understanding Concepts of Environment, Ecology and their inter-connectedness; Environment as natural capital and connection to quality of human life; Environmental Degradation - Causes and Impact on human life; Sustainable Development - Concept and components, poverty and environment

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Semester / Term Syllabus Planning

Month	Topics to be covered
FEB 2020	**Unit 4 : Understanding Stress and Conflict** (10 Lec.) Causes of stress and conflict in individuals and society; Agents of socialization and the role played by them in developing the individual; Significance of values, ethics and prejudices in developing the individual; Stereotyping and prejudice as significant factors in causing conflicts in society; Aggression and violence as the public expression of conflict.
MARCH 2020	**Unit 5 : Managing Stress and Conflict in Contemporary Society** (8 Lec.) Types of conflicts and use of coping mechanisms for managing individual stress; Maslow's theory of self-actualisation; Different methods of responding to conflicts in society; Conflict-resolution and efforts towards building peace and harmony in society.

S.Y.BBI

Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand The Concept of Entrepreneur & Entrepreneurship. 2. Understand The Concept & Importance of Business Planning. 3. Understand the Concept of Marketing, Finance & Human Resource. 4. Understand the Evolving Concepts of Entrepreneurship.
Nov & DEC 2019	The Entrepreneur A. Entrepreneur : Meaning, Nature, origin and development of entrepreneurship in India, Need and Importance, Core elements, Principles, Essentials, Types, Functions, Concept of entrepreneurship management, Motives behind being an entrepreneur, Entrepreneurial Process B. Theories of Entrepreneurship : Innovation Theory of Schumpeter, Need for Achievement Theory of McClelland, Risk Bearing Theory of knight, Hagen's Theory of Entrepreneurship, Economic Theory of Entrepreneurship. C. Entrepreneurial Values and Attitudes, Dominant characteristics of successful entrepreneurs, Internal and external factors for entrepreneurial motivation D. Entrepreneurial Skills, Identifying business opportunities, Role of creativity in Entrepreneurship, the creative process, the Innovation process, types of innovation, sources of innovation, principles of innovation, Sources of Business Ideas.

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Semester / Term Syllabus Planning

Month	Topics to be covered
JAN 2020	Business Planning A. Forms of Entrepreneurial structures: • Sole Proprietorship-meaning, merits and limitations • Partnership-Meaning, Forms, merits and limitations • Corporations-Meaning, merits and limitations • Limited Liability partnerships and corporations • Franchising Meaning, types, merits and limitations B. Critical Factors for starting a new enterprise : Personal, Environmental, Sociological factors, Problems of a New Venture: Financial, administrative, marketing, production and other problems. C. Business Plan : Meaning, Benefits, Developing a business plan, Environment scanning, Elements/Areas to be covered in a Business Plan, Project Report preparation, Contents of a Project Report.
FEB 2020	Key Areas of New Ventures A. Marketing : New Product Development, Marketing Strategy for the new venture, Branding strategies, Distribution strategies, Pricing Strategies, Promotion strategies for new venture, Concept of Marketing Mix and Market segmentation, Marketing Plan B. Operations : Size and location of Enterprise, Layout, Inventory Control, Quality Control. C. Finance : Sources of long term and short term finance, Debt fund-Meaning, Merits and limitations, Equity Fund- Meaning, merits and limitations, Concept of Break Even analysis, Venture Capital-Meaning, Merits and Limitations, Criteria for Evaluating New Venture Proposals by Venture Capitalist. D. Human Resource : Personnel Function, Important Labor Laws: Industrial Disputes Act, Factories Act, Provident Fund Act, Employee State Insurance Act, Payment of Wages Act, Minimum Wages Act, Payment of Gratuity Act, other related Actsand Role of HRD in new ventures.
MARCH 2020	Evolving Concepts in Entrepreneurship A. Social Entrepreneurship : Meaning, Social responsibility of an entrepreneur B. Barriers to Entrepreneurship : Environmental, economic, non-economic, personal and entrepreneurial barriers. C. Intrapreneurship : Meaning, Characteristics, Intrapreneurs Activities, types of Corporate Entrepreneurs, Corporate V/s Intrapreneurial culture, Climate, Fostering Intrapreneurial culture, Promoting intrapreneurship- Pinchot's Spontaneous team and Formal Venture teams, establishing intrapreneurial ventures. D. Ethics and Entrepreneurship : Defining Ethics, Approaches to Managerial ethics, ethics and business decisions, Ethical practices and code of conduct, Ethical considerations in corporate entrepreneurship. E. Institutional Support to Entrepreneurs : Importance, Incentives and facilities, Entrepreneurship Development Institute of India (EDI), NSIC, Small Industries Development Organization (SIDO), National Institute for Entrepreneurship and Small Business Development (NIESBUD), Others, Key features of National Policy on Skill Development and Entrepreneurship 2015.

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Semester / Term Syllabus Planning

Month	Topics to be covered T.Y.BAF
Programme Outcome	
Course Outcome	**After conclusion of study the students will be able to:** 1. Understand the Concept & Importance of Audit Planning & Audit Programme. 2. Understand The Concept & Importance of Audit Procedures & Documentation. 3. Understand the Concept, Importance & Benefits of Audit Techniques. 4. Understand the Concept of Internal Control.
Nov. & Dec 2019	**Audit Planning, Procedures and Documentation** (15 Lec.) **Audit Planning** Meaning, Objectives, Factors to be Considered, Sources of Obtaining Information, Discussions with Client, Overall Audit Plan **Audit Programme** Meaning, Factors to be Considered, Advantages, Disadvantages, Overcoming Disadvantages, Methods of Work, Instruction before Commencing Works of Audit, Overall Audit Approach **Audit working Papers** Meaning, Importance, Factors Determining Form and Contents, Main Functions, Importance, Features, Contents of Permanent Audit File, Temporary Audit File, Ownership, Custody, Access of Other Parties to Audit Working Papers, Auditors Lien on Working Papers, Auditors Lien on Client's Books **Audit Notebook** Meaning, Structure, Contents, General Information, Current Information and Importance
JAN 2020	**Auditing Techniques** (15 Lec.) **Test Check** Test Checking Vs Routine Checking, Test Check Meaning, Features, Factors to be Considered, When Test Checks can be Used, Advantages, Disadvantages and Precautions
FEB 2020	**Audit Sampling** Audit Sampling: Meaning, Purpose, Factors in Determining Sample Size, Sampling Risk, Tolerable Error and Expected Error, Methods of Selecting Sample Items, Evaluation of Sample Results, Auditors Liability in Conducting Audit based on Sample
MARCH 20	**Internal Control:** Meaning and Purpose, Review of Internal Control, Advantages, Auditors Duties, Review of Internal Control, Inherent Limitations of Internal Control, Internal Control Samples for Sales and Debtors, Purchases and Creditors, Wages and Salaries **Internal Checks Vs Internal Control, Internal Checks Vs Test Checks**

Teacher Co-ordinator Principal

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Semester / Term Syllabus Planning

FYBAF-SEM I -FINANCIAL MANAGEMENT-I
UNITS/MODULE

MONTH	
1	**Introduction to Financial Management**
July	• Introduction • Meaning and Importance • Scope and Objectives • Profit VS Value Maximization
2	**Concepts in Valuation**
July/August	• The Time Value of Money and Present Value • Internal Rate of Return Bonds Returns • The Returns from Stocks Annuity • Techniques of Discounting • Techniques of Compounding
3	**Leverage**
August/September	• Introduction • EBIT & EPS Analysis • Types of Leverages: Operating Leverage, Financial Leverage & Composite Leverage Relationship between Operating Leverage and Financial Leverage (Including Practical Problems
4	**Types of Financing**
September	• Introduction • Needs of Finance and Sources: Long Term, Medium Term, Short Term Long Term Sources of Finance • Short Term Sources of Finance
5	**Cost of Capital**
September/October	• Introduction • Definition and Importance of Cost of Capital and Measurement of Cost of Capital • WACC (Including Practical Problems)
Course Outcome	The learners will learn to measure risk and returns and will be able to calculate various financial assets. They will be in the position to estimate cash flows from a project and can evaluate various risks in investment decisions.Learners can also apply the concept of financial management in contemporary financial events.

Teacher

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Semester / Term Syllabus Planning

Month	Topics to be covered

	FYBBI-SEM I –ENVIRONMENT AND MANAGEMENT OF FINANCIAL SERVICES
MONTH	UNITS/MODULE
1	**Introduction to Financial System**

July	• **Financial System**
	  • Institutional set- up
	  • Marketing Structure
	  • Instruments
	  • Overview of different kinds of financial services. (e.g Leasing, Hire purchase, factoring, forfeiting, Bill financing/Bill discounting, housing finance, letter of credit, insurance, venture capital, merchant banking, stock broking and credit rating.)

2	**Phases of Development of Banking and Insurance**
July/August	• Significance and Role of Banking and Insurance in mobilizing savings, investment, accumulation and economic growth. Functions and working of banking and insurance companies
3	**Management, Regulation and Development**
August/September	• Risk management within the organizations of Banks and Insurancecompanies • Asset - Liability Management in Banking and Insurance Organisational structure and management
4	**Regulatory and Developmental Framework of Banking & Insurance**
September/October	• Banking companies and RBI Acts and legal framework governing the insurance. • Developmental Activities of RBI and IRDA • Mechanism of supervision and regulation. Prudential Norms.
Course Outcome	**The learners will understand to assess consumer financial needs and mechanism for fulfilling these needs. They will be able to apply financial concepts, theories and tool and would be in the position to evaluate the legal,ethical and economic environment related to financial services.**

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SYBBI-SEM III – FINANCIAL MANAGEMENT-I

MONTH	UNITS/MODULE
1 June/July	**Introduction to Finance and Financial Management** **A) Introduction to Finance** • Meaning and definition of finance • Importance finance • Types of Finance: Public and Private • Sources of finance 1. **Long Term Sources** – Term Loans, Debentures, Bonds, Zero Coupon bonds, Convertible Bond shares, Preference shares, CD, CP, Public Deposits 2. **Short Term sources:** Bank Finance, Trade Credit ,Other Short Term Sources 3. Venture Capital and Hybrid Financing **B) Financial Management** • Meaning and Importance of Financial Management • Scope of Financial Management • Functions and Objectives of Financial Management • Primary Objective of Corporate Management • Agency Problem • Organization of Finance Function • Emerging role of Finance Managers in India. **C) Objectives of the Firm** • Profit Maximiznation and Shareholders Wealth Maximization, • Profit V/s Value Maximization •
2 July/August	**Financial Goal Setting and Time Value of Money** **A) Financial Goal Setting** • Introduction • Financial Forecasting – Meaning, Techniques, Benefits • Approaches to Financial Planning • Economic Value Added (EVA)– Measurement & Components • Free Cash Flow (FCF) - **B) Time Value of Money** • Concept • Present Value • Annuity • Techniques of Discounting • Techniques of Compounding,
3 ugust/September	**Investment Decisions: Capital Budgeting** **A) Capital Budgeting** • Nature of Capital Budgeting • Purpose of Capital Budgeting • Capital Budgeting Process • Types of Capital Investment

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Semester / Term Syllabus Planning

Month	Topics to be covered
	• Basic Principle of Measuring Project Cash Flows • Increment Principle, Long Term Funds Principle, Exclusion of Financial Cost Principle, Post Tax Principle • Probability technique for measurement of cash flow • Capital Budgeting Techniques: Net Present Value Profitability Index and Discounted Pay Back Method. • A Comparison; Project Selection Under Capital Rationing (Note: Problems on computation of cash flow, ranking of projects on various techniques, selection and analysis with / without capital rationing)
4	**Financial Decisions**
tember/October	**A) Cost of Capital :** • Introduction and Definition of Cost of Capital • Measurement of Cost of Capital • Measurement of WACC using book value and market value method • Measuring Marginal Cost of Capital **B) Capital Structure Decisions:** • Meaning and Choice of Capital Structure • Importance of Optimal Capital Structure • EBIT -EPS Analysis • Capital Structure Theories • Dividend Policies (Walter & Gordon)
urse Outcome	**The learners will learn to measure risk and returns and will be able to calculate various financial assets.They will be in the position to estimate cash flows from a project and can evaluate various risks in investment decisions.Learners can also apply the concept of financi management in contemporary financial events.**

Teacher

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Semester / Term Syllabus Planning

MONTH	TYBBI-SEM V FINANCIAL SERVICE MANAGEMENT UNITS/MODULE
1	**Introduction to Financial Services**
June	**Financial Services** Meaning, Classification, Scope, Fund Based Activities, Non Fund Based Activities, Modern Activities, Sources of Revenue, Need for Financial Innovation, New Financial Products & Services, Innovative Financial Instruments, Challenges Facing the Financial Sector. **Merchant Banking** Definition, Origin, Merchant Banking in India, Merchant Banks and Commercial Banks, Services of Merchant Banks, Qualities of Merchant Bankers in Market Making Process, Progress of Merchant Banking in India, Problems, Scope of Merchant Banking in India.
2	**Mutual Funds, Factoring and Forfeiting**
July	**Mutual Funds** Introduction to Mutual Funds, Structure of Mutual Fund in India, Classification of Mutual Funds, AMFI Objectives, Advantages of Mutual Funds, Disadvantages of Mutual Funds, NAV Calculation and Pricing of Mutual Funds, Mutual Funds Abroad, Mutual Funds in India, Reasons for Slow growth, Future of Mutual Funds Industry. **Factoring and Forfeiting** Factoring, Meaning, Modus Operandi, Terms and Conditions, Functions, Types of Factoring, Factoring vs. Discounting, Cost of factoring, Benefits, Factoring in India, International Factoring, Definition, Types of Export Factoring, Factoring in Other Countries, EDI Factoring, Forfeiting- Definition, Factoring vs. Forfeiting, Working of Forfeiting, Cost of Forfeiting, Benefits of Forfeiting, Drawbacks of Forfeiting.
3	**Securitisation of Debts and Derivatives**
August	**Securitization of Debt** Meaning & Definition of Securitization, Securitization vs. Factoring, Modus Operandi, Role of Merchant Banker, Role of Other Parties, Securitization Structure Securitisable assets, Benefits of Securitization, Conditions for Successful Securitization, Securitization Abroad, Securitization in India, Reasons for non popularity of Securitization, Future Prospects of Securitization. **Derivatives** Meaning, Types of Financial Derivatives, Options, Futures, Forwards, Swaps, Futures & Options Trading System, Clearing Entities &Their Role.
4	**Housing Finance and Consumer Finance**

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Semester / Term Syllabus Planning

Month	Topics to be covered
September	**Housing Finance** Introduction, Housing Finance Industry, Housing Finance Policy Aspect, Sources of Funds, Market of Housing Finance in India, Major Issues of Housing Finance in India, Growth Factors, Housing Finance Institutions in India, National Housing Bank(NHB), Guidelines for ALM System in Housing Finance Companies, Fair Trade Practice, Code for HFC's, Housing Finance Agencies. **Consumer Finance** Introduction, Sources, Types of Products, Consumer Finance Practice in India, Mechanics of Consumer Finance, Terms, Pricing, Marketing & Insurance of Consumer Finance, Consumer Credit Scoring.
5	**Depositories & Pledge**
September/October	Overview of Depository, Key features of Depositories Systems in India, Depository- Bank Analogy, Legal Framework, Eligibility Criteria for A Depository, Agreement between Depository & Issuers, Rights & Obligation of Depositories, Records Maintained by Depository, Services of Depository & Functions of Depository, Organization & Functions of NSDL, Pledge & Hypothecation, Procedure for Pledge/Hypothecation, Procedure of Confirmation of Creation of Pledge/Hypothecations by Pledgee, Closure of A Pledge/Hypothecation by Pledgor, Invocation of Pledge by Pledgee.
Course Outcome	**The learners would understand to apply necessary skills in managing a financial service company.They will be able to apply financial concepts, theories and tool and would be in the position to evaluate the legal,ethical and economic environment related to financial services.**

Teacher

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Semester / Term Syllabus Planning

MONTH	TYBAF-SEM V –FINANCIAL ACCOUNTING-V UNITS/MODULE
1	**Underwriting of shares & debentures**
June	Introduction, Underwriting, Underwriting Commission Provision of Companies Act with respect to Payment of underwriting commission Underwriters, Sub-Underwriters, Brokers and Manager to issues Types of underwriting, Abatement Clause Marked, Unmarked and Firm-underwriting applications. Liability of the underwriters in respect of underwriting contract Practical problems
2	**Buy Back of Shares**
July	Company Law / Legal provisions (including related restrictions, power, transfer to capital redemption reserve account and prohibitions). Compliance of conditions including sources, maximum limits and debt equity ratio. Cancellation of Shares Bought back(Excluding Buy Back of minority shareholding) Practical problems
3	**AS – 14 - Amalgamation, Absorption & External Reconstruction (excluding inter-company holdings)**
July/August	In the nature of merger and purchase with corresponding accounting treatments of pooling of interests and purchase method respectively. Meaning and Computation of purchase consideration. Problems based on purchase method only. Practical problems
4	**Internal Reconstruction**
August/September	Need for reconstruction and company law provisions. Distinction between internal and external reconstruction. Methods including alteration of share capital, variation of shareholder rights, sub division, consolidation, surrender and reissue / cancellation, reduction of share capital with relevant legal provisions and accounting treatment for same. Practical problems
5	**Liquidation of Companies**

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September/October	Meaning of liquidation or winding up Preferential payments Overriding preferential payments Preparation of statement of affairs, deficit / surplus account Liquidator's final statement of account Practical problems
Course Outcome	**Learners will develop the ability to use accounting information to solve a variety of business problems. They will also understand the purpose of financial statements in relationship to decision making.**

	SYBBI-SEM III –FOUNDATION COURSE -III
MONTH	**UNITS/MODULE**
1	**An Overview of Banking Industry**
June/July	• Definition of Banks, Types of Banks, Principles of Banking • Banking System in India, Overview of RBI, Public, Private, Co-operative, Payment Bank, Regional Rural Banks • Emerging trends of banking - Universal banking, electronic banking, globalization of banking. • Brief history of banking sector reforms from 1991-2000 and Current developments in banking sector • Regulatory Architecture – Overview of Banking Regulation Act 1949, Banking Regulation Act (Amendment 2015), Payment and Settlement Act 2007, Negotiable Instrument Act 1881, BIS, Basel I, II and III. • Bank Crises in India • Critical Evaluation of Banking Industry in India
2	**Commercial Banking and Customer – Banker Relationship**
August/September	• Definition and meaning of Commercial Bank, Evolution of Commercial Banking in India, Functions of Commercial Bank , Services offered by Commercial Bank. • Retail Banking – Meaning, Features, Significance of Retail Banking and Overview of its products • Corporate Banking -Meaning, Features, Significance of Corporate Banking and Overview of its products • Rural Banking - Meaning, Features, Significance of Rural Banking and Overview of its products • Banking Ombudsman – Meaning and Functions
Course Outcome	**The learners will able to understand various services offered, risks faced by banks and also will understand banking innovations after nationalization. They will also understand various principles, provisions that govern banking companies.**

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Semester / Term Syllabus Planning

Month	Topics to be covered

TYBAF SEM VI - FINANCIAL ACCOUNTING-VII

MONTH	UNITS/MODULE
1 December-January	**Final Account for Electricity Company** Final Accounts as per Double Account System •Final Accounts as per Electricity Rules •Receipt & Expenditure on Capital Account •General Balance Sheet •Contingency Reserve Disposal of Surplus (As per Electricity Rules): Norms regarding Disposal of Surplus Replacement of Assets Simple practical problems
2 January	**Final Accounts for Co-Operative Society(Co-Operative Housing Society and Consumer Co-Operative Society)** Provisions of Maharashtra State Co-Operative Societies Act and rules. Accounting provisions including appropriation to various funds Format of Final Accounts - Form N Simple practical problems on preparation of final accounts of a Co-Operative housing society & Consumer Co-Operative Society
3 February/	**Investment Accounting (w.r.t. Accounting Standard-13)** For shares (variable income bearing securities) For debentures/Preference shares (fixed income bearing securities) Accounting for transactions of purchase and sale of investments with ex and cum interest prices and finding cost of investment sold and carrying cost as per weighted average method (Excl. brokerage). Columnar format for investment account.
4 February/ March	**Mutual Fund** Introduction, Historical Background SEBI Guidelines, Organisation, NAV Scheme, Types of Mutual Fund Schemes, , FOF Scheme, Load or No-Load Scheme, Investment Valuation norms, Pricing of units, Contents of Balance sheet and revenue Account, Evaluation of mutual funds, Disposal of Investments, Recognition of Income, Accounting policies and entries.

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Semester / Term Syllabus Planning

Month	Topics to be covered
5	**Introduction to IFRS**
March	**Accounting standards:** Role/objectives of accounting standards, Development of accounting standards in India -Requirements of international accounting standards - International organizations engaged in accounting harmonization -IASB -FASB -Role of IASB in developing IFRS, Applicability, Interpretation, Scope and compliance of Accounting Standards **Indian Accounting standards (Ind AS):** Introduction, Road map, First time adaptation of Indian Accounting Standard, Conceptual framework. **Comparison of Ind AS, IFRS and AS** **IFRS :** Introduction, scope Purpose & Objective of financial statement-its Frame work-its assumption, characteristics, element, recognition & measurement., first time adoption of IFRS Convergence of Ind-As and IFRS.
Course Outcome	**Learners will develop the ability to use accounting information to solve a variety of business problems. They will also understand the purpose of financial statements in relationship to decision making.**

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Semester / Term Syllabus Planning

	S.Y.B.B.I. – SEM III - FOUNDATION COURSE – IV (AN OVERVIEW OF INSURANCE SECTOR) UNITS/MODULE COVERAGE
MONTH	
November/ December	**An Introduction to Life Insurance**
	A) Life Insurance Business – Components, Human Life Value Approach, Mutuality, Principle of Risk Pooling, Life Insurance Contract, Determinants of Risk Premium B) Products of LIC – Introduction of life insurance plans - Traditional Life Insurance Plans – Term Plans, Whole Life Insurance, Endowment Assurance, Dividend Method of Profit Participation Purpose of plans , Riders in plan - Introduction, Forms and procedures C) Non Traditional Life Insurance Products (Those of SBI and ICICI - Introduction, Forms and procedures)
December	**An Introduction to Health Insurance**
	A) Health Insurance – Meaning, IRDA Regulations, determinants of Health Insurance, Health Insurance Market in India and determinants of Risk Premium. B) SBI and ICICI Health Insurance Plans - Introduction and Forms and Procedures of Hospitalization, Indemnity Products, top up covers, cashless insurance, Senior citizen plans, critical illness plans and Micro Insurance.
January/ February	**An Introduction to Home and Motor Insurance**
	A) Home Insurance - SBI and ICICI Plans – Introduction, Forms and Procedures, Inclusions and Exclusions in policies, Determinants of Risk Premium and Impact of Catastrophes on Home Insurance B) Vehicle Insurance- SBI and ICICI Plans-Introduction, Forms and Procedures, Determinants of Risk Premium, Inclusions and Exclusions.
MARCH	**Role of Insurance in Logistics**
	A) Role of Insurance in Logistic - Meaning &Importance, Hazards, Protection, Social Security – Type of Risks and Accidents. B) Fire Insurance – SBI and ICICI Plans – Introduction, Forms and Procedures, Standard Fire and Special Perils Policy, Tariff system and special policies.
Course Outcome	**The learners will able to understand various policies offered, risks faced by insurance company and also will understand insurance product cost and pricing, marketing, and distribution.They will also understand various principles, provisions that govern insurance companies.**

Co-ordinator

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Semester / Term Syllabus Planning

MONTH	SYBBI-SEM IV FINANCIAL MANAGEMENT-II UNITS/MODULE
1	**Working Capital Management**
November/ December	•Management of Working Capital in India •Estimating working capital needs •Operating or working capital cycle •Working Capital Financing: Trade Credit; Bank Credit; Commercial Papers; Certificate of Deposits (CDs); Financing.
2	**Management of Components of Working Capital**
December/ January	•**Management of Cash and Marketable Securities:** Motives for Holding Cash; Objectives of Cash Management; Factors Determining Cash Needs; Basic Strategies of Cash Management; Cash Management Techniques / Processes; Marketable Securities; and Cash Management Practices in India. •**Receivables Management:** Objectives; Credit Policies; Credit Terms; and Collection Policies. •**Inventory Management:** Objectives; and Techniques.
3	**Financial Planning**
January/ February	•Introduction •Meaning and Essentials of Budget •Types of Budget •Advantages of Budgeting •Zero Based Budgeting •Master Budget •Sales Budget, Production Budget, Material Budget, Cash Budget and Flexible Budget.
4	**Financial Policy and Corporate Strategy**
February/ March	•Meaning of Strategic Financial Management •Strategic financial decision making framework •Functions of Strategic financial management Business Risk and Financial Risk •Introduction •Debt v/s Equity Financing •Types of Leverage •Investment Objective/Criteria for Individuals/Non-Business Purpose
Course Outcome	The learners will learn to measure risk and returns and will be able to calculate various financial assets. They will be in the position to estimate cash flows from a project and can evaluate various risks in investment decisions. Learners can also apply the concept of financial management in contemporary financial events.

Teacher

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Semester

Month	Topics to be covered

MONTH	FYBCOM-SEM II FOUNDATION COURSE-II UNITS/MODULE
1	**Globalisation and Indian Society**
November	Understanding the concepts of liberalization, privatization and globalization; Growth of information technology and communication and its impact manifested in everyday life; Impact of globalization on industry; changes in employment and increasing migration; Changes in agrarian sector due to globalization; rise in corporate farming and increase in farmers' suicides
2	**Human Rights**
December	Concept of Human Rights; origin and evolution of the concept; The Universal Declaration of Human Rights; Human Rights constituents with special reference to Fundamental Rights stated in the Constitution
3	**Ecology**
January	Importance of Environment Studies in the current developmental context; Understanding concepts of Environment, Ecology and their interconnectedness; Environment as natural capital and connection to quality of human life; Environmental Degradation-causes and impact on human life; Sustainable development-concept and components; poverty and environment
4	**Understanding Stress and Conflict**
February	Causes of stress and conflict in individuals and society; Agents of socialization and the role played by them in developing the individual; Significance of values, ethics and prejudices in developing the individual; Stereotyping and prejudice as significant factors in causing conflicts in society. Aggression and violence as the public expression of conflict
5	**Managing Stress and Conflict in Contemporary Society**
February/ March	Types of conflicts and use of coping mechanisms for managing individual stress; Maslow's theory of self-actualisation;Different methods of responding to conflicts in society; Conflict-resolution and efforts towards building peace and harmony in society.
Course Outcome	Learners will be able to understand the Diversity of Indian society, Disparities faced by economically, socially weaker section of the society, problems that are being faced by the women in the society, Rights and Duties of citizen of India, significant aspects in Indian political system.

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MONTH	FYBAF-SEM II -INNOVATIVE FINANCIAL SERVICES UNITS/MODULE
1	**Introduction to Traditional Financial Services**
November/ December	**a)Financial Services:** •Concept, Objectives/Functions, Characteristics, Financial Service Market, Financial Service Market Constituents, Growth of Financial Services in India, Problems in Financial Services Sector, Banking and Non-Banking Companies, Regulatory Framework **b)Factoring and Forfaiting:** •Introduction, Types of Factoring, Theoretical Framework, Factoring Cost, Advantages and Disadvantages of Factoring, Factoring in India, Factoring v/s Forfaiting, Working of Forfaiting, Benefits and Drawbacks of Forfaiting, Practical Problems. **c)Bill Discounting:** •Introduction, Framework, Bill Market Schemes, Factoring V/s Bill Discounting in Receivable Management.
2	**Issue Management and Securitization**
December/ January	**a)Issue Management and Intermediaries:** •Introduction, Merchant Bankers/ Lead Managers, Underwriters, Bankers to an Issue, Brokers to an Issue **b)Stock Broking:** •Introduction, Stock Brokers, Sub Brokers, Foreign Brokers, Trading and Clearing/Self Clearing Members, Stock Trading (Cash and Normal) Derivative Trading **c)Securitization:** •Definition, Securitization v/s Factoring, Features of Securitization, Pass Through Certificates, Securitization Mechanism, Special Purpose Vehicle, Securitisable Assets, Benefits of Securitization, New Guidelines on Securitization
3	**Financial Services and its Mechanism**
January/ February	**a)Lease and Hire-Purchase:** •Meaning, Types of Lease -Finance Lease, Operating Lease, Advantages and Disadvantages of Leasing, Leasing in India, Legal Aspects of Leasing. •Definition of Hire Purchase, Hire Purchase and Installment Sale Characteristics, Hire Purchase and Leasing, Advantages of Hire Purchase, Problems of Hire Purchase. **b)Housing Finance:** •Introduction, Housing Finance Industry, Housing Finance Policy Aspect, Sources of Funds, Market of Housing Finance, Housing Finance in India-Major Issues, Housing Finance in India - Growth Factors, Housing Finance Institutions in India, National Housing Bank (NHB), Guidelines for Asset Liability Management System in HFC, Fair Trade Practice Code for HFC's, Housing Finance Agencies. **c)Venture Capital:** Introduction, Features of Venture Capital, Types of Venture Capital Financing Stages, Disinvestment mechanisms, Venture Capital Investment process, Indian Scenario

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Semester / Term Syllabus Planning

Month	Topics to be covered
4	**Consumer Finance and Credit Rating**
February/ March	**a)Consumer Finance:** •Introduction, Sources, Types of Products, Consumer Finance Practice in India, Mechanics of Consumer Finance, Terms, Pricing, Marketing and Insurance of Consumer Finance, Consumer Credit Scoring, Case for and against Consumer Finance **b)Plastic Money:** •Growth of Plastic Money Services in India, Types of Plastic Cards-Credit card-Debit Card-Smart card-Add-on Cards, Performance of Credit Cards and Debit Cards, Benefits of Credit Cards, Dangers of Debit Cards, Prevention of Frauds and Misuse, Consumer Protection. Indian Scenario. •Smart Cards-Features, Types, Security Features and Financial Applications **c)Credit Rating:** •Meaning, Origin, Features, Advantages of Rating, Regulatory Framework, Credit Rating Agencies, Credit Rating Process, Credit Rating Symbols, Credit Rating Agencies in India, Limitations of Rating.
Course Outcome	**The learners would understand to apply necessary skills in managing a financial service company.They will be able to apply financial concepts, theories and tool and would be in the position to evaluate the legal, ethical and economic environment related to financial services.**

Work Diary

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TERM - I

Semester / Term Syllabus Planning

MONTH	T.Y. B.A.F. SEM V – FINANCIAL MANAGEMENT - II UNITS/MODULE COVERAGE
JUNE - JULY	**Module 2:** **Capital Budgeting – Project Planning & Risk Analysis** Introduction - Capital Budgeting Process, Project Classification and Investment Criteria. Techniques of Capital Budgeting - NPV, Benefit Cost Ratio, Internal Rate of Return, Modified Internal Rate of Return, Payback period, Discounted Payback Period and ARR. (Inclusive of Estimation of Project Cash Flows) Capital Rationing – Meaning, Need and Dealing with Capital Rationing Problems Risk Analysis in Capital Budgeting – Sources and Perspectives of Risk, Sensitivity Analysis, Scenario Analysis, Simulation Model, Decision Tree Analysis and Break -Even Analysis.
JULY - AUGUST	**Module 3:** **Capital Structure Theories and Dividend Decisions** Capital Structure Theories - Background, Assumptions, Definitions and Taxation and Capital Structure Types – Net Operating Income, Net Operating Income Approach, Traditional Position, Modigliani and Miller Approach, Trade off Theory and Signalling Theory. Dividend Decisions- Need, Importance, Formulation, Legal and Procedural Aspects. Dividend Decision Models - Walter, Gordon, Graham & Dodd Model and M-M Model
AUGUST	**Module 4: Mutual Fund and Bond Valuation** Introduction to Mutual Fund- History & Origin, Definition, Meaning, Characteristics, Advantages, Disadvantages, Limitations of Mutual Funds, Ethics in Mutual Fund, Entities involved – Sponsor, Trust, Trustee, Asset Management Company, Registrar and Transfer Agent (RTA) and Fund Houses in India. Classification of Mutual Fund - Functional/Operational – Open ended, close ended, Interval, Portfolio – Income, Growth, Balanced, MMMF, Geographical/ Location – Domestic and Offshore, Tax Saving Funds, Exchange Traded Funds , Balance Funds , Fixed Term Plan Debt Funds and SIP Calculations of NAV, Entry Load and Exit Load. Bond Valuation - Meaning, Measuring Bond Returns – Yield to Maturity, Yield to call and Bond Pricing, Bond Pricing Theorems, Bond Risks and Bond Duration. (Practical Problems on YTM and Bond Duration.)

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SEPTEMBER	**Module 5: Credit Management** Credit Management – Terms of Payment, Credit Policy Variables, Credit Evaluation, Credit Granting Decision, Control of Accounts Receivables i.e. Receivables Management, Ageing Schedule and Credit Management in India **Module 1: Strategic Financial Management** Strategic Financial Management – Need and Importance Corporate, Business and Functional Strategy Financial Planning - Need and Importance Profit Maximization Wealth Maximization Interface of Financial Policy and Strategic Management Relationship of Finance to Economics and Accounting Role of Financial Manager
COURSE OUTCOME	**The learners will learn various investment techniques like Capital Budgeting, Capital Structure theories, Dividend Decision models and Credit Management which will help them in making quick investment decisions and will make the students employment ready in the field of Finance as Financial Advisors or as Chief Accountant, provided if they do some further studies in the same field.**

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MONTH	T.Y. B.B.I SEM V – AUDITING - I UNITS/MODULE COVERAGE
JUNE - JULY	**Module 1: Introduction to Auditing** **Basics**–Financial Statements, Users of Information, Definition of Auditing, Objectives of Auditing – Primary and Secondary, Expression of Opinion, Detection of Frauds and Errors, Inherent limitations of Audit, Difference between Accounting and Auditing, Investigation and Auditing. **Errors & Frauds**–Definitions, Reasons and Circumstances, Types of Error – Commission, Omission, Compensating error, Types of frauds, Risk of Fraud and Error in Audit, Auditors Duties and Responsibilities in Case of Fraud **Principles of Audit** –Integrity, Objectivity, Independence, Skills, Competence, Work Performed by Others, Documentation, Planning, Audi Evidence, Accounting System and Internal Control, Audit Conclusions and Reporting **Types of Audit** – Meaning, Advantages and Disadvantages of Balance sheet Audit, Interim Audit, Continuous Audit, Concurrent Audit and Annual Audit.
JULY	**Module 2: Audit Planning, Procedures and Documentation:** **Audit Planning** –Meaning, Objectives, Factors to be Considered, Sources of Obtaining Information, Discussion with Client, Overall Audit Approach. **Audit Program** – Meaning, Factors, Advantages and Disadvantages, Overcoming Disadvantages, Methods of Work , Instruction before Commencing Work, Overall Audit Approach
AUGUST	**Audit Working Papers** - Meaning, Importance, Factors Determining Form and Contents, Main Functions / Importance, Features, Contents of Permanent Audit File, Temporary Audit File, Ownership, Custody, Access of Other Parties to Audit Working Papers, Auditors Lien on Working Papers, Auditors Lien on Client's Books **Audit Notebook** – Meaning, Structure, Contents, General Information, Current Information, Importance. **Module 3:Auditing Techniques and Internal Audit Introduction** **Test Check**- Test Checking Vs Routing Checking, Test Check meaning, Features, Factors to be Considered, When Test Checks Can be Used, Advantages, Disadvantages and Precautions. **Audit Sampling** - Audit Sampling, Meaning, Purpose, Factors in Determining Sample Size -Sampling Risk, Tolerable Error and Expected Error, Methods of Selecting Sample Items, Evaluation of Sample Results, Auditors Liability in Conducting Audit Based on Sample. **Internal Control** - Meaning and Purpose, Review of Internal Control, Advantages, Auditors Duties, Review of Internal Control,

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Semester / Term Syllabus Planning

	Inherent Limitations of Internal Control, Internal Control Samples for Sales and Debtors, Purchases and Creditors, Wages and Salaries. Internal Checks Vs Internal Control, Internal Checks Vs Test Checks. **Internal Audit** -Meaning, Basic Principles of Establishing Internal Audit, Objectives, Evaluation of Internal Audit by Statutory Auditor, Usefulness of Internal Audit, Internal Audit Vs External Audit, Internal Checks Vs Internal Audit
SEPTEMBER	**Module 4:** Auditing Techniques: Vouching Audit of Income - Cash Sales Sales on Approval, Consignment Sales, Sales Returns Recovery of Bad Debts written off, Rental Receipts, Interest and Dividends Received, Royalties Received. Audit of Expenditure - Purchases, Purchase Returns, Salaries and Wages, Rent, Insurance Premium, Telephone Expenses, Postage and Courier, Petty Cash Expenses, Travelling Commission, Advertisement, Interest Expenses. **Module 5:** Auditing Techniques: Verification Audit of Assets Book Debts / Debtors, Stocks -Auditors General Duties: Patterns, Dies and Loose Tools, Spare Parts, Empties and Containers, Quoted Investments and Unquoted Investment, Trade Marks / Copyrights, Patents, Know-how, Plant and Machinery, Land and Buildings, Furniture and Fixtures. Audit of Liabilities - Outstanding Expenses, Bills Payable, Secured loans, Unsecured Loans, Contingent Liabilities.
COURSE OUTCOME	**The learners will understand the importance of Financial Statements, the users of those statements, importance of an error free financial statement for a company, how the Auditing is done by an Auditor to identify those Errors and Frauds. If the learners wish to take up any further career in Finance or if they want to pursue further studies in Finance then this course will be very useful to them.**

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	S.Y. B.B.I. SEM III – MANAGEMENT ACCOUNTING
MONTH	UNITS/MODULE COVERAGE
JUNE	**Module 3:** Concept, Nature of Working Capital, Planning of Working Capital, Estimation /Projection of Working Capital Requirements in case of Trading and Manufacturing Organization, Operating Cycle
JULY	**Module 1:** Introduction to Management Accounting Meaning and Definition , Scope, Functions , Objectives, Importance, Role of Management Accounting, Management Accounting Framework, Tools of Management Accounting
JULY - AUGUST	**Module 2:** Financial Statement Analysis A) Introduction to Corporate Financial Statements: Understanding the Balance sheet and Revenue statements with the headings and sub headings, Uses of financial statements, Users of Financial Statements. B) Financial Statement Analysis Introduction and Meaning of Financial Statement Analysis, Steps, Objective, Types of Analysis. Ratio analysis: Meaning, classification, Du Point Chart, advantages• & limitations. Balance Sheet Ratios: Current Ratio, Liquid Ratio, Stock Working Capital• Ratio, Proprietary Ratio, Debt Equity Ratio, Capital Gearing Ratio. Revenue Statement Ratios: Gross Profit Ratio, Expenses Ratio , Operating Ratio, Net Profit Ratio , Net Operating Profit Ratio , Stock Turnover Ratio, Combined Ratio, Return on Capital employed (Including Long Term Borrowings), Return on proprietor's Fund (Shareholders Fund and Preference Capital , Return on Equity Capital, Dividend Payout Ratio, Debt Service Ratio, Debtors Turnover, Creditors Turnover.
SEPTEMBER	**Module 4:** Meaning, Types, Factors influencing dividend policy, Forms of dividend, Determinants of Dividends Policy: Factors; Dividend Policy in India; Bonus Shares (Stock dividend) and Stock (Share) Splits; Legal, Procedural; and Tax Aspects associated with Dividend Decision
COURSE OUTCOME	**The learners will understand the practical application of various financial analysis tools and will help them in evaluation of the various targets achievable in future. The course will make the students employable as Finance Manager in the field of Accounting and Finance.**

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Semester / Term Syllabus Planning

	S.Y. B.COM. SEM III – INTRODUCTION TO MANAGEMENT ACCOUNTING
MONTH	UNITS/MODULE COVERAGE
JUNE	**Module 3:** Working Capital Management: Concept, Nature of Working Capital, Estimation and Operating Cycle
JULY	**Module 1:** A. Introduction to Management Accounting Nature, Scope and Functions of Management Accounting – Role of Management Accounting in Decision Making – Management Accounting and Financial Accounting B. Analysis and Interpretation of Accounts – Vertical Balance Sheet and P & L A/c a. Trend Analysis b. Comparative Statement c. Common Size Statement
AUGUST	**Module 2:** Ratio Analysis a. Balance sheet ratios b. Revenue statement ratios c. Combined ratios
SEPTEMBER	**Module 4:** Capital Budgeting: Introduction, Capital Budgeting Projects and Techniques - Pay -back Period, ARR, NPV, PI, Discounted Payback
COURSE OUTCOME	**The learners will understand the practical application of various financial analysis tools and will help them in evaluation of the various targets achievable in future. The course will make the students employable as Finance Manager in the field of Accounting and Finance.**

Teacher

Co-ordinator

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T.Y. B.B.I. SEM VI
AUDITING - II
UNITS/MODULE COVERAGE

MONTH	
DEC-JAN	**MODULE 1:** **Audit of Limited Companies** Qualifications, Disqualifications, Appointment, Removal, Remuneration of Auditors, Audit Ceiling, Status, Power, Duties and Liabilities of Auditors, Branch Audit, Joint Audit, Special Audit, Maintenance of Books of Account – Related Party Disclosures Segment Reporting, Divisable Profit, Dividend and Depreciation (Companies Act, Standards on Accounting, Legal Decisions and Auditor's Responsibility), Representations by Management, Contents of Annual Report, Definition, Distinction between Report and Certificate, Types of Reports/Opinion.
JAN	**MODULE 2:** **Audit of Banking Companies** Introduction of Banking Companies, Form and Content of Financial Statements, Qualifications of Auditor, Appointment of Auditor, Remuneration of Auditor, Power of Auditor, Auditor's Report, Format of Audit Report, Long Form Audit Report, Conducting an Audit, Initial Consideration by Statutory Audit, Internal Control System, Verifications of Assets and Balances.
FEB	**MODULE 3:** **Audit of Insurance Companies** Audit of Companies carrying General Insurance Business, Audit of Companies carrying Life Insurance Business, Applicability of Accounting Standards (AS 3, 4,9,13,17), Books and Registers to be maintained, Submission of Reports and Returns, Audit of Accounts, Preparation of Audit and Internal Controls.
FEB-MARCH	**MODULE 4:** **New Areas of Auditing** Introduction to Cost Audit, Human Resource Audit, Management Audit, Operational Audit, Forecast Audit, Social Audit, Tax Audit, Forensic Audit and Environmental (Green) Audit. Audit in an EDP Environment, Introduction, General Approach to EDP Based Audit and Special Techniques for Auditing in an EDP Environment.
MARCH	**MODULE 5:** **Professional Ethics and Misconduct** Introduction, Meaning of Professional Ethics Meaning of Professional Misconduct, Schedules to the Chartered Accountants Act, 1949 Relating to Professional Misconduct, Enquiry into Charges of Misconduct of Chartered Accountants.
COURSE OUTCOME	**In the last semester learners have already studied basics about Auditing. The extended version of the same they will be studying in the current semester. By the end of this course they will know completely about Auditor's qualification required in case of different sectors like Banking, Insurance and other manufacturing and trading sectors, Audit reports to be prepared in various sectors, the various other types of Audit apart from financial Audit and about the ethical behavior required in case of Auditing. All these knowledge will be helpful for them if they take up any further studies in Banking or finance sectors or if they want to make their career in those sectors.**

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MONTH	F.Y. B.A.F. SEM V – FINANCIAL MANAGEMENT - III UNITS/MODULE COVERAGE
DEC	**MODULE 2:** **Mergers and Acquisitions** Introduction- Basic modes of acquiring another firm Synergy effects, Difference between Merger and Takeover, Advantages of Mergers and Acquisitions, Benefits of Merger for Acquiring firm, Reasons of companies to offer themselves for sale, Reasons for failure of Mergers and Reverse Merger. Commonly Used Bases for determining the Exchange Ratio – EPS, MPS, Book value and Combination of Measures and Evaluation of Mergers (Practical Problems)
JAN	**MODULE 3:** **Corporate Restructuring and Takeovers** Introduction – Meaning, Need and Importance, Forms of Restructuring, Advantages and Disadvantages Takeovers – Meaning, SEBI Guidelines, Anti-takeover defences and Asset and Liability Restructuring. (Practical Problems)
JAN	**MODULE 1:** **Business Valuation** Conceptual Framework of Valuation – Book Value, Market Value, Economic Value, Liquidation Value, Replacement Value, Salvage Value, Value of Goodwill and Fair Value Approaches of Valuation – Assets Based Approach to Valuation, Earnings Based Approach to Valuation, Earnings Measure on Cash Flow Basis, Market Value Added Approach and Economic Value Added.
FEB	**MODULE 4:** **Lease and Hire Purchase Financing** Introduction – Meaning and Types of Leases, Rationale, Mechanics, Operating Leases, Leasing as Financing Decisions, Calculation of Cash flows of a finance lease. Hire Purchase – Meaning, Need and Importance, Calculation of Hire Purchase installments, Choice between Leasing and Hire Purchase
MARCH	**MODULE 5:** **Working Capital financing** Introduction – Key features and Characteristics of Trade Credit, Bank Credit, Commercial Papers, Certificate of Deposits and Factoring. Practical Problems based on Factoring and calculations of yield of CP's and CD's
COURSE OUTCOME	**The learners will understand the importance of various corporate restructuring strategies like Mergers, Acquisitions etc. and the difference between them. They will also understand certain short term financing mediums of companies such as Factoring, Hire Purchase, Leasing etc. They will also able to calculate Value of company's share through various methods like Earnings based, Cash Flow basis etc.**

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SYBAF : SEMESTER IV :
MANAGEMENT ACCOUNTING

4 hours/ week MONTHS	MODULES/UNITS
November/ December	**Unit –I- Introduction to Management Accounting** Meaning, Features,Scope, Importance,Functions, Role of Management Accounting, Management Accounting framework, Tools, Management Accounting and Financial Accounting. **Unit-V-Working Capital Management** A. Concept, Nature of working capital, Planning of working capital B. Estimation /Projection of Working Capital Requirements in case of Trading and Manufacturing Organization. C. Operating Cycle practical problems.
January	**Unit-II Analysis and Interpretation of Accounts:** a) Vertical Forms of Balance Sheet and Profit and Loss Account suitable for analysis b) Trend Analysis. c) Comparative Statement d) Common Size Statement. **Unit-III-Financial Statement Analysis: Ratio Analysis** Meaning of financial statement analysis, steps, objectives and types of analysis Ratio Analysis: Meaning, classification, Du point chart, advantages and limitations. **Balance Sheet Ratios:** i. Current Ratio ii. Liquid Ratio iii. Stock Working Capital Ratio iv. Proprietary Ratio v. Debt Equity Ratio vi. Capital Gearing Ratio **Revenue Statement Ratios:** i. Gross Profit Ratio ii. Expenses Ratio iii. Operating Ratio iv. Net Profit Ratio v. Net Operating Profit Ratio vi. Stock Turnover Ratio
February	**Combined Ratio** i. Return on Capital employed (Including Long Term Borrowings) ii. Return on proprietor's Fund (Shareholders Fund and Preference Capital) iii. Return on Equity Capital iv. Dividend Payout Ratio v. Debt Service Ratio vi. Debtors Turnover vii. Creditors Turnover
February/ March	**Unit-IV-Preparation of Cash Flow Statement** with reference to Accounting Standard No.3 (Indirect method only)
COURSE OUTCOME	**The learners will understand the practical application of various financial analysis tools and will help them in evaluation of the various targets achievable in future. The course will make the students employable as Finance Manager in the field of Accounting and Finance.**

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	S.Y. B.COM. SEM IV FINANCIAL ACCOUNTING AND AUDITING VI - AUDITING
MONTH	UNITS/MODULE COVERAGE
DEC	MODULE 1: Introduction to Auditing
	A. Basics – Financial Statements, Users of Information, Definition of Auditing, Objectives of Auditing, Inherent limitations of Audit, Difference between Accounting and Auditing, Investigation and Auditing. B. Errors & Frauds – Definitions, Reasons and Circumstances, Types of Error, Types of frauds, Risk of fraud and Error in Audit, Auditors Duties and Responsibilities in case of fraud. C. Principles of Audit, Materiality, True and Fair view D. Types of Audit – Meaning, Advantages, Disadvantages of Balance-sheet Audit, Interim Audit, Continuous Audit, Concurrent Audit and Annual Audit, Statutory Audit
JAN	MODULE 2: Audit Planning, Procedures and Documentation
	A. Audit Planning – Meaning, Objectives, Factors to be considered, Sources of obtaining information, Discussion with Client, Overall Audit Approach B. Audit Program – Meaning, Factors, Advantages and Disadvantages, Overcoming Disadvantages, Methods of Work, Instruction before commencing Work, Overall Audit Approach. C. Audit Working Papers – Meaning, importance, Factors determining Form and Contents, Main Functions / Importance, Features, Contents of Permanent Audit File, Temporary Audit File, Ownership, Custody, Access of Other Parties to Audit Working Papers, Auditors Lien on Working Papers, Auditors Lien on Client's Books.
JAN-FEB	MODULE 3: Auditing Techniques and Internal Audit introduction
	A. Test Check – Test Checking Vs Routing Checking, test Check meaning, features, factors to be considered, when Test Checks can be used, advantages, disadvantages, precautions. B. Audit Sampling – Audit Sampling, meaning, purpose, factors in determining sample size – Sampling Risk, Tolerable Error and expected error, methods of selecting Sample Items Evaluation of Sample Results auditors Liability in conducting audit based on Sample C. Internal Control – Meaning and purpose, review of internal control, advantages, auditors duties, review of internal control, Inherent Limitations of Internal control, internal control samples for sales and debtors, purchases and creditors, wages and salaries, Internal Checks Vs Internal Control, Internal Checks Vs Test Checks. D. Internal Audit : Meaning, basic principles of establishing Internal audit, objectives, evaluation of internal Audit by statutory auditor, usefulness of Internal Audit, Internal Audit Vs External Audit, Internal Checks Vs Internal Audit
FEB - MARCH	MODULE 4: Auditing Techniques Vouching & Verification

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	A. Audit of Income : Cash Sales, Sales on Approval, Consignment Sales, Sales Returns Recovery of Bad Debts written off, Rental Receipts, Interest and Dividends Received Royalties Received B. Audit of Expenditure : Purchases, Purchase Returns, Salaries and Wages, Rent, Insurance Premium, Telephone expense Postage and Courier, Petty Cash Expenses, Travelling Commission Advertisement, Interest Expense C. Audit of Assets Book Debts / Debtors, Stocks – Auditors General Duties; Patterns, Dies and Loose Tools, Spare Parts, Empties and Containers Quoted Investments and Unquoted Investment Trade Marks / Copyrights Patents Know-How Plant and Machinery Land and Buildings Furniture and Fixtures D. Audit of Liabilities : Outstanding Expenses, Bills Payable Secured loans Unsecured Loans, Contingent Liabilities
COURSE OTCOME	**The learners will understand the importance of Financial Statements, the users of those statements, importance of an error free financial statement for a company, how the Auditing is done by an Auditor to identify those Errors and Frauds. If the learners wish to take up any further career in Finance or if they want to pursue further studies in Finance then this course will be very useful to them.**

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