

ARTS FACULTY
F.Y.B.A.
COURSE OUTCOME

I) Compulsory English

CO1	To familiarize excellent pieces of prose and poetry.
CO2	To realize the beauty and communication power of English.
CO3	To expose native cultural experience and situation.
CO4	To develop human values and social awareness.
CO5	To develop competence and communication skills.

II) Marathi : मराठी विनोदी कथा (G1)

C-01	मराठी साहित्य, मराठी भाषा आणि मराठी संस्कृती यांची ओळख, महत्त्व आणि माहात्म्य सांगणे.
C-02	मराठी साहित्यासंबंधी रुची निर्माण करणे.
C-03	विद्यार्थ्यांच्या वाड.मयीन अभिरुचीचा विकास करणे.
C-04	व्यक्तिमत्त्वविकासात भाषेचे महत्त्व स्पष्ट करणे.

III) हिंदी सामान्य (G1)

CO1	छात्र को हिंदी के प्रतिनिधि कहानीकरों एवं कवियोंसे परिचित करना.
CO2	हिंदी के कार्यालयीन एवं व्यावहारिक स्वरूपोंसे अवगत कराना.
CO3	मानक वर्तनीके अनुसार हिंदी के शुद्ध रूप का लेखन करना.

IV) Indian Economy (G1)

CO1	To increase the awareness of Indian economy.
CO2	To understand basic concepts of economic.
CO3	To make them aware about water and energy conservation.
CO4	To understand agricultural and farmers problems.
CO5	To make them aware regarding globalization, privatization and liberalization
CO6	To acquaint the knowledge of industrial development. since 1951
CO7	To understand basic problems of population.

V) Elements of Geomorphology (G1)

CO1	To introduce the basic concepts in Geomorphology.
CO2	To introduce latest concepts in Geomorphology.
CO3	To acquaint the utility and application of Geomorphology in different regions and environment.
CO4	To aware the need of protection and conservation of different landforms on the earth surface.

VI) History- Chh. Shivaji and His Times (1630 – 1707) (G 1)

CO1	To introduce innovative study techniques in the study of History of Maratha to make it value based, conceptual and thought provocative.
CO2	To introduce International elements in the study of Marathas to facilitate comparative analysis of this history.
CO3	To highlight the importance of past in exploration of present context. To understand the Socio –economic, cultural and political background of 17th century Maharashtra.
CO4	To increase the spirit of healthy Nationalism & Secularism among the student. To encourage student s to for competitive examinations.
CO5	To promote interest in the discipline of History. Suggesting the Importance of References.

VIII) Physical Education (G1)

CO1	To introduce importance and needs of Physical Education.
CO2	To understand the fundamental science of physical Education
CO3	To make them aware about physical fitness.
CO4	To introduce basics of healthrelated fitness.

S. Y.B.A.
COURSE OUTCOME

I) Compulsory English

CO1	To develop competence for self-learning
CO2	To realize the beauty and communication power of English.
CO3	To develop students' interest in reading literary pieces
CO4	To develop human values and social awareness.

II) आधुनिक मराठी वाङ्मय आणि उपयोजित मराठी (G2)

CO1	शुद्धलेखनाची ओळख
CO2	पारिभाषिक संज्ञाची ओळख
CO3	आकलन, आस्वाद, मूल्यमापन करण्याची क्षमता निर्माण करणे

II) मराठी साहित्यातील विविध साहित्यप्रकार: नाटक / कादंबरी (S1)

C-01	मराठी साहित्यप्रकारांच्या तात्त्विक घटकांचे ज्ञान देणे.
C-02	वेगवेगळ्या कालखंडातील मराठीतील अभिजात साहित्यकृतींचा संस्कार घडविणे, साहित्याविषयी अभिरुची निर्माण करणे.
C-03	साहित्यकृतीचे आकलन, आस्वाद आणि मूल्यमापन करण्याची दृष्टी निर्माण करणे.

II) अर्वाचीन मराठी वाङ्मयचा इतिहास (S2)

CO1	ऐतिहासिक परंपरेची स्थूलओळख करून देणे.
CO2	साहित्य प्रकारच्या विकासक्रमाचे दर्शन घडवणे.
CO3	पदव्युत्तर अभ्यास क्रमाचीपूर्व तयारी करून देणे.

III) हिंदी

CO1	छात्रांको हिंदी कहानी एवं नई कविता वर्ग विशेषताओं से परिचित करना.
CO2	हिंदी के प्रयोजनमूलक रूप से अवगत कराना.
CO3	हिंदी भाषा का विकास, भाषा की परिभाषाएँ, भाषाके रूपोंसे छात्रोंका परिचय करना.
CO4	भाषा विज्ञान का स्वरूप, भाषा का वैज्ञानिक अध्ययन आदि छात्रों का सामान्य परिचय.
CO5	हिंदी के उपन्यास, नाटक औ मध्ययुगीन काव्य विशेषताओं के समीक्षण कार्यक्षमता का निर्माण करना.

IV) Economics : Modern Banking (G2)

CO1	To increase the awareness of modern banking system.
CO2	To understand basic concepts of banking business
CO3	To make them aware about opening and operating of bank account.
CO4	To understand different banking systems.
CO5	To aware them regarding monetary policy
CO6	To understand the modern techniques of banking business.

IV) Economics : Micro Economics (S1)

CO1	To understand basic concepts of micro economics
CO2	To study the theories of behavior of consumer, producer and factors of production.
CO3	To understand different markets and its function and price determination in various markets
CO4	To study the equilibrium of firms
CO5	To study the theories of welfare economics

IV) Economics : Macro Economics (S2)

CO1	To understand basic concepts of macro economics
CO2	To study the national income and other related to national income concepts and its measurements
CO3	To apply theories of macro economics in real life
CO4	To understand importance of consumption saving and investment in economy
CO5	To understand what is money? and its functions
CO6	To understand different of inflection and deflation
CO7	To acquire the knowledge about to change the business cycle and macroeconomic policies

V) Geography :Geography of Disaster Management (G2)

CO1	To introduce students the concept of disaster & its relation with Geography.
CO2	To acquaint the students with the utility & application of hazards in different areas & its management.
CO3	To make the students aware of the need of protection & disaster management.
CO4	To understand the impact of Geographical phenomenon as a disaster .

V) Geography :Tourism Geography (S1)

CO1	To acquaint basic concepts of Geography & Tourism.
CO2	To make aware with the utility and application of Tourism.
CO3	To help the students & society to understand the interrelationship between
CO4	Tourism and employment generation opportunities.

V) Geography: Fundamentals Of Geographical Analysis (S-2)

CO1	To enable the students to use various Projections and Cartographic Techniques..
CO2	To acquaint the students with basic of Statistical data.
CO3	To acquaint the students with the principles of surveying, its importance and utility in the geographical study.
CO4	To train the students in elementary statistics as an essential part of geography.

VI): Modern- India (1857-1950) (G2)

CO1	To help the student to know- History of freedom movement of India, aims, objectives problems and progress of Independent India.
CO2	To enable the student to understand the processes of rise of modern India.
CO3	To acquaint student with fundamental aspects of Modern Indian History.
CO4	To explain the basic concepts/ concerns/ frame work of Indian History.

VII) Physical Education (G2)

CO1	Define the various health components of fitness.
CO2	To train and organize various sports competitions
CO3	To introduce different tests of health related fitness

T. Y.B.A.
COURSE OUTCOME

I) Compulsory English

CO1	To introduce the best uses of language and literature.
CO2	To familiarize students with the communicative power of English.
CO3	To enable to become competent users of English in real life situations.
CO4	To contribute to overall personality development by improving communicative and soft skills.

II) मराठी : आधुनिक मराठी साहित्य आणि व्यावहारिक व उपयोजित मराठी (G3)

CO1	साहित्याबद्दलची अभिरुची विकसित करून कलाकृतींचा आस्वाद घेण्याची क्षमता वाढविणे.
CO2	नेमलेल्या कलाकृतींच्या संदर्भात साहित्यपरंपरेचा स्थूल परिचय करून देणे.
CO3	भाषेचे यथोचित आकलन करण्याची क्षमता विकसित करणे.

II) मराठी : मराठी साहित्याविचार (S3)

CO1	साहित्याची भाषा समजावून घेणे.
CO2	साहित्यनिर्मितीची प्रक्रिया समजावून घेणे.
CO3	साहित्यिक अभिरुची समजावून घेणे
CO4	पदव्युत्तर अभ्यास करण्याची पूर्वतयारी करणे.

II) मराठी : भाषाविज्ञान (S4)

CO1	भाषा म्हणून मराठीच्या ऐतिहासिक वाटचालीचा आढावा घेणे.
CO2	भाषेचे स्वरूप, कार्य, महत्वाची ओळख करून देणे

III) हिंदी

CO1	हिंदी की विविध विधाओं से छात्रों का परिचय.
CO2	हिंदी के प्रयोजन मूलक स्वरूप से परिचय.
CO3	अनुवाद कला से परिचय एवं विकास.
CO4	काव्य की परिभाषाएँ, तत्व हेतु, प्रयोजन अलंकार, रस आदि विभिन्न अंगों से छात्रों का परिचय.
CO5	हिंदी साहित्य के आदि मध्य औ आधुनिक काल से छात्रों का परिचय कराना.
CO6	हिंदी के विविध कालखंडों की परिस्थितियों, विशेषताओं, तथा रचनाकारों से छात्रों का परिचय.

IV) Economics : Economics development and planning(G3)

CO1	To understand basic concepts of economic development and economic growth.
CO2	To study the characteristics of developing countries .
CO3	To understanding basic constraints on development process.
CO4	To study the theories of economic development
CO5	To understand foreign capital economic planning and macro economic policy.

IV) Economics: International Economics (S3)

CO1	To have aphoristic view of international economics .
CO2	To study the theories of international trade
CO3	To highlight the trends and challenges faced by nations in challenging environment
CO4	To understand trends in Indians external sector
CO5	To help the students analyzing the present phase of Indian economy
CO6	To acquire the knowledge about static and dynamic gains from international trade

IV) Economics: Public Finance (S4)

CO1	To understand basic concepts of public finance
CO2	To study the public expenditure ,public revenue and public debt.
CO3	To understand basic concepts of budget and deficit financing
CO4	To study the role and working of finance commission
CO5	To understand role and objectives of fiscal policy and fiscal policy in developing

V) Geography: Regional Geography of India (G-3)

CO1	To understand the physical characteristics of India.
CO2	To understand the cultural characteristics of India.
CO3	To sensitize the students with development issues and policies and programmes designed for regional development

V) Geography: Population and Settlement Geography (S-3)

CO1	The course in meant to provide an understanding of spatial and structural dimensions of population.
CO2	The course is further aimed at familiarizing the students with global and regional distribution of population & equips them for comprehending the Indian situation.
CO3	The aims of this course are to acquaint the students with the spatial and structural characteristics of human settlement under varied environment conditions.

V) Geography : Techniques of Spatial Analysis (S-4)

CO1	To introduce the Students with SOI Top sheets and to acquire the Knowledge of Toposheet Reading/Interpretation.
CO2	To familiarize with the weather instruments and their applications in Geographical phenomena.
CO3	To acquaint with IMD weather maps and to gain the knowledge of weather map Reading / interpretation.
CO4	To train the students in elementary statistics as an essential part of geography.
CO5	To awareness about GIS and remote sensing .

VI) HISTORY OF THE WORLD IN 20TH CENTURY (1914 CENTURY (1914 CENTURY (1914-1992) (G3)

CO1	To help the student to know Modern World. To acquaint the student with the Socio-economic & Political developments in other countries. And understand the contemporary world in the light of its background History.
CO2	To orient the students with political history of Modern World.
CO3	To acquaint Students about the main developments in the Contemporary World (To understand to important development in 20th century World.)
CO4	Impart knowledge about world concepts.
CO5	To enable students to understand the economic transition in World during the 20th Century.
CO6	Become aware of the principles, forces, processes and problems of the recent times.
CO7	To acquaint the students with growth of various political movements that shaped the modern world.
CO8	To highlight the rise and growth of nationalism as a movement in different parts of the world.

VII) Physical Education (G3)

CO1	To understand the value of physical education and its relationship to a healthy lifestyle
CO2	Examine the effect of nutrition and other lifestyle factors that contribute to better health.
CO3	Understand and utilize various training methods
CO4	To introduce fundamental regulations and skills of various games

COMMERCE FACULTY

F. Y. B. Com.

COURSE OUTCOME

I) Compulsory English

CO1	To expose native cultural experience and situation
CO2	To understand importance and utility of English language.
CO3	To develop oral and written communicative skills.
CO4	To enhance employability skills and English becomes the medium of livelihood and personality.

II) Financial Accounting

CO1	To impart the knowledge of various accounting concepts.
CO2	To instill the knowledge about accounting procedure methods & techniques
CO3	To acquaint them with practical approach to accounts writing by using software package.

III) Business Economics

CO1	To understand use of economic theory to business decisions
CO2	Finding use of demand concepts and demand forecasting
CO3	To acquaint the students types of markets
CO4	Impart students basics of commodity and factor pricing
CO5	Creating awareness of cost concepts used in Business Economics
CO6	To give elementary knowledge of production function and concepts of economies and diseconomies of scale

IV) Business Mathematics & Statistics

CO1	To develop the abilities to apply the mathematical concepts to real life problems in commerce, economics and management
CO2	To develop arithmetical and numerical abilities
CO3	To develop logic and quantitative thinking.
CO4	To develop basic quantitative techniques and principles of data analysis
CO5	The emphasis is on understanding basic concepts of statistics and applying them to solve problems using statistical software

V) Business Environment and Entrepreneurship

CO1	To acquaint with the emerging business environment and trends at the national and international level in the light of the policies of liberalization and globalization.
CO2	To provide exposure to the entrepreneurial cultural and industrial growth to prepare them to set up and manage their own small units.

VI) Banking and Finance

CO1	To increase the awareness of modern banking system.
CO2	To understand basic concepts of banking business
CO3	To make them aware about opening and operating of bank account.
CO4	To understand different banking systems.
CO5	To realise the importance of banks in economic development
CO6	To understand the modern techniques of banking business.

VII) Commercial Geography

CO1	To understand the scope and content of commercial geography in relation to spatial distribution of agriculture, forest resources and industrial production
CO2	To acquaint about dynamic aspects of commercial geography
CO3	To acquaint about dynamic nature and industrial field
CO4	To make aware about the relationship between the geographical factors and economic activities

VIII) 'Vyvaharik Marathi (व्यावहारिक मराठी)

CO1	वाणिज्य विषयाच्या विद्यार्थ्यांना मराठीच्या व्यवहार क्षेत्राची माहिती करून देणे.
CO2	मराठीच्या प्रत्यक्ष वापराचा अभ्यास करणे.
CO3	प्रसार माध्यमातील विविध लेखन प्रकाराचा अभ्यास करणे.

IX) Additional English

CO1	To expose a good blend of old and new literary extracts having various themes those are entertaining, enlightening and informative so that they realize the beauty and communicative power of English
CO2	To make aware of the cultural values and the major problems in the world today
CO3	To develop literary sensibilities and communicative abilities
CO4	To enable to become competent users of English in real life situations

S.Y.B.COM

COURSE OUTCOME

I) Business Communication

CO1	To understand the process of communication and the principles of effective communication in business.
CO2	To study the nature, importance and the scope of business communication.
CO3	To understand the various methods and type of communication.
CO4	To study various types of business letters, reports and develop skills to draft letters and reports.
CO5	To acquaint with modern methods of communication and their uses.

II) Corporate Accounting

CO1	Students are able to know rules and principles about Accounting procedure.
CO2	Students are able to learn accounting standard this will be help when student get the job in any organization.
CO3	Students know about liquidation with meaning types order of payment
CO4	Students are able to know amalgamation absorption reconstruction with necessary legal provision
CO5	Students are able to learn accounting software and accounting with the help of computer

III) Business Economics

CO1	To understand use of economic theory to business decisions
CO2	Finding use of demand concepts and demand forecasting
CO3	To acquaint the students types of markets
CO4	Impart students basics of commodity and factor pricing
CO5	Creating awareness of cost concepts used in Business Economics

IV) Business Management

CO1	To create awareness about importance of management and significant Role of Management in all organizations.
CO2	To inform evolution of concept & functions of Management.
CO3	To understand the various functions of Management and its Importance.
CO4	To inform application of management functions
CO5	To inform about contribution of Management scientist and the Theories of Management developed by them.
CO6	To make aware about contribution of industrial leaders and their qualities of leadership.
CO7	To create awareness about Recent Trends in the field of Management

V) Elements of Company Law

CO1	To impart the information of fundamentals of Company Law.
CO2	To update the knowledge of provisions of the Companies Act of 2013.
CO3	To apprise new concepts involving in company law regime.
CO4	To acquaint with the duties and responsibilities of Key Managerial Personnel.
CO5	To impart the provisions and procedures under company law.

VI) Business Entrepreneurship. Paper I

CO1	To create entrepreneurial awareness among the students.
CO2	To provide the conceptual background of types & patterns of Entrepreneurship
CO3	To develop Entrepreneurial competencies among students.

VII) Indian Banking System Paper I

CO1	Understanding of Indian Banking System Structure, types of banks, and their interlinking
CO2	To acquaint the students with Bank Nationalization Process and its effects
CO3	Understanding of Role of SBI and its challenges
CO4	Analysis of RBI functions ,working and policy
CO5	To give knowledge of Bank reforms since 1991 with ref.to Narsimham committee I&II
CO6	To get elementary concept of Micro finance and Bachat gat

VIII) Costing Paper I

CO1	Costing is recent developed ology branch which is necessary for cost control and cost benefit
CO2	Due to learn the costing techniques student able to know how to apply cost control in organization. Techniques of costing may be useful when student obtain job in industry
CO3	Student are able to contribute own views in origination management process when costing abject consider for discussion .

T.Y.B.Com

COURSE OUTCOME

I) Business Regulatory Framework

CO1	To give the elementary knowledge of the subject
CO2	To acquaint to students about the basic concepts ,terms and provisions of Mercantile and business law
CO3	To develop the awareness among the students regarding these laws affecting business, trade and commerce
CO4	To explain the application of existing laws to E-commerce
CO5	To analyse legal problems in real life scenarios and provide advice for their solution
CO6	To study critical evaluation of the policy underlying consumer law
CO7	To describe the basic legal structures that constitute businesses and the law that regulates businesses and business environment

II) Advanced Accounting

CO1	To enhances numerical ability of the students
CO2	To increase financial literacy among students.
CO3	To introduce to the practical aspects of computerized accounting with the help of accounting software.
CO4	To enable the students to understand the accounting procedures methods and techniques

III) Indian and Global Economics

CO1	To create awareness about Indian economy
CO2	To understand its strengths and weaknesses
CO3	To acquaint with agricultural sector and its challenges
CO4	To understand of Indian Industry sector

CO5	Challenges of HR development for India
CO6	To impart basic fundamentals of India's BOP and foreign capital inflows and related issues of policy
CO7	Assessment of Infrastructure in India
CO8	To impart students with knowledge of International Banks

IV) Taxation & Auditing

CO1	To know about Auditing with refer to importance procedure and applicable roles for auditing including qualification and role of Auditor.
CO2	To prepare to join as a auditor assistances
CO3	To know individual tax liability and organizational tax liability and able to work in office for calculation tax liabilities.
CO4	To able to help in office for work related to auditing and taxation.

V) Banking And Finance –Paper II

CO1	To inform students about financial institutions and financial markets 1) money market 2) capital market.
CO2	To make aware about foreign exchange market and its debited procedure .
CO3	To understand about working of non banking financial institutions
CO4	To create awareness about development of financial institution in country .
CO5	To guide about investment institutions their organizational structure working and functions .
CO6	To inform about regulatory frame value which regulates and control the business of financial institutions bank and non banking institutions too.

VI) Banking Law and Practice -Paper III

CO1	To Understand of basic provisions of banking regulation act 1949
CO2	To deliver knowledge about the types of negotiable instrument and their usage in economy
CO3	To acquaint students with functions of collecting banker and paying banker(responsibilities and duties)
CO4	To analyzed of Bank - customer relationship
CO5	To understand types of security and methods of charge creation
CO6	To understand of loan proposal Evaluation and loan recovery methods

VII) Business Entrepreneurship –Paper II

CO1	To understand basic concepts of Entrepreneurship.
CO2	To develop the skills of preparation of Business Plan, which is pre-requisite for commencement of business.
CO3	To develop knowledge to create new venture and to manage it successfully.

VIII) Business Entrepreneurship –Paper III

CO1	To creates awareness about concept of Behavior, types of Behavior and Behavior of Entrepreneurs.
CO2	To explain various models of behavior
CO3	To understand about importance of Individual Behavior and factors determining Individual Behavior.
CO4	To provides knowledge about Personality and Various types of Personalities. Personality traits and development of personality.
CO5	To creates awareness about emotional intelligence and entrepreneurial personality.
CO6	To explains various business related concepts e.g. Team Work, Group and Group dynamics, stress and conflict management, Motivation, Organizational change and Development etc.

IX) Cost and Works Accounting Paper II

CO1	To provide knowledge about the concepts and principles of application of Overheads
CO2	To provide knowledge about various methods of costing and application

X) Cost and Works Accounting Paper III

CO1	To impart knowledge regarding costing techniques
CO2	To provide knowledge regarding concepts, procedures and legal provision of cost audit

M.COM (PART I) SEM-I

COURSE OUTCOME

I) Management Accounting

CO1	To enable students to acquire sound knowledge of concepts, methods and techniques of Management Accounting
CO2	To make the students develop competence with their usage in managerial decision making and control

II) Strategic Management

CO1	To acquaint the students with concepts, issues and various aspects of Strategic management .
CO2	To equip and train Post Graduate students to accept the challenges of changing world by providing Conceptual Understanding of Strategic Plan
CO3	To develop independent logical thinking by providing knowledge of Financing Planning, Manpower Planning, Organizational Structures, - Factors affecting choice of structure, Degree of Flexibility and Autonomy.
CO4	To make the students well acquainted regarding Functional Strategy:
CO5	To develop among students strategic management skills,

III) Production and Operation Management

CO1	To provide goods and services at the right time, at the right place at the right manufacturing cost of the right quality.
CO2	To acquaint the students with concepts, issues and various aspects of Production & operation management.
CO3	To understand manufacturing technology and its role in developing business strategy.
CO4	To identify the role of operation function.
CO5	To understand the external and internal effects of five operation performance objectives

IV) Financial Management

CO1	To enable and equip the basic functions and tools of financial management.
CO2	To prepare students for NET/SET and Banking Exams.
CO3	To equip and train to accept the challenges of 21st Century.

CO4	To Study and analyze the new industrial and commercial culture.
CO5	To make aware for acquiring the knowledge of specialized subjects.
CO6	To understand and measure current events, To develop independent logical thinking, train towards personality development.
CO7	To equip for seeking suitable employment and entrepreneurship ability.
CO8	To develop independent logical thinking, train towards personality development.

M.COM (PART I) SEM-II

I) Financial Analysis and Control

CO1	To enable students to acquire sound knowledge of concepts, methods and techniques of Management Accounting
CO2	To make the students develop competence with their usage in managerial decision making and control

II) Industrial Economics

CO1	To acquaint the students with concepts, issues and various aspects of Industrial Economics
CO2	To study the behaviour of working of the economy as a whole.
CO3	To acquaint the students with concepts, issues and various aspects of Indian Economics.
CO4	To develop an analytical framework to understand the inter-linkages among the crucial Industrial economic variables.
CO5	To apply economic reasoning to problems of business and public policy.

III) Business Ethics and Professional Values

CO1	To acquaint the nuances of Ethics.
CO2	To develop the capability of students to understand the ethical practices in business organization.
CO3	To acquaint the students with the conceptual framework of knowledge management.
CO4	To aware the students with various methods of learning process.

IV) Elements of knowledge Management

CO1	To acquaint the students with concepts, issues and various aspects of Elements of Knowledge Management
CO2	To equip and train Post Graduate students to accept the challenges of changing world by providing Conceptual Understanding of Elements of Knowledge Management
CO3	To develop independent logical thinking by providing knowledge of Knowledge Management Tools & Change Management
CO4	To make the students well acquainted regarding Knowledge Management Culture:
CO5	To develop among students management skills,

M.COM PART II SEM-III

I) Business Finance

CO1	To enable students to acquire sound knowledge of concepts, nature and structure of business finance
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II) Research Methodology

CO1	To understand use of Research Methodology for business decisions and policy.
CO2	To Understanding of concepts used in Research
CO3	To guide for Data Collection and Types
CO4	To understand of Data processing and classification
CO5	To acquaint students with Report writing steps

III) Human Resource Management

CO1	To acquaint the students with in-depth knowledge of HRM.
CO2	To create understanding about recent trends in HRM
CO3	To inculcate among students various practices followed by HR managers.

IV) Organizational Behavior

CO1	To provide in depth knowledge about process of formation of group behavior in an organization set up
CO2	To make the students understand various concepts of organization behavior

M.COM PART II SEM-IV

I) Capital Market and Financial Services

CO1	To enable students to acquire sound knowledge, concept and structure of capital market and financial services.
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II) Global Economic Environment

CO1	To create awareness about Indian and global economic environment
CO2	To understand its strengths and weaknesses of Indian Industry
CO3	Impart knowledge of Industrial Policy and IPR
CO4	Study of Indian Labour scenario and Policy
CO5	Details of Environment Laws and study of specific Industry

IV) Recent Advances in Business Administration

CO1	To familiarise the students with the recent advancements in business administration
CO2	To develop an understanding about tools and their application in the business.

V) Research Project

CO1	To understand use of Research Methodology and selection of Topic for research
CO2	Synopsis Presentation for Project and approval
CO3	Research related seminar presentation and data collection
CO4	Research Project writing and corrections in it.
CO5	Presentation of Project and evaluation

(FYBBA-(CA) (SEM-I)

COURSE OUTCOME

I) Modern Operating Environment And MS-Office

CO1	To Provide Basic Knowledge of Peripheral Devices.
CO2	To become aware about Basic Knowledge of System software & Application Software.
CO3	To learn Basic Knowledge of Wired And Wireless Media

II) Financial Accounting

CO1	To impart basic accounting knowledge
CO2	To develop skills of Accounting Practices .
CO3	To gain knowledge of new Accounting trends &Technology
CO4	To make the students aware about various activities of business, business practices and recent trends in business world
CO5	To make the student well acquainted with current financial practices

III) Programming Principles &Algorithm

CO1	To develop Analytical / Logical Thinking
CO2	To become capable for Problem Solving

IV) Business Communication

CO1	To know the concept of electronic commerce
CO2	To acquaint the students with concepts, issues and various aspects of e-commerce .
CO3	To know the concept of Cyber Law & Cyber Jurisprudence
CO4	To know Internet marketing techniques

V) Principles of Management

CO1	To provide conceptual knowledge to the students regarding nature, complexity and various functions of management
CO2	To give historical perspective of management
CO3	To gain some basic knowledge on recent trends and international aspects of management
CO4	To observe and evaluate the influence of historical forces on the current practice of management

FYBBA-(CA) SEM-II

I) Procedure Oriented Programming using C

CO1	To develop Problem Solving abilities using computers
CO2	To understand basic principles of programming
CO3	To develop skills for writing programs using 'C'

II) Database Management System

CO1	To understand data processing using computers
CO2	To learn basic organization of data using files
CO3	To understand creations, manipulation and querying of data in databases

III) Organizational Behavior

CO1	To equip the students to understand the impact that individual, group & structures have on their behavior within the organizations
CO2	To help them enhance and apply the knowledge they have received for the betterment of the organization

IV) Computer Application in Statistics

CO1	To understand the power of excel spreadsheet in computing summery statistics
CO2	To understand the concept of permutation & combination & their use in business.
CO3	To understand the concept of probability, probability distribution & simulation in decision making in business.

V) E-Commerce

CO1	To know the concept of electronic commerce
CO2	To acquaint the students with concepts, issues and various aspects of e-commerce .
CO3	To know the concept of Cyber Law & Cyber Jurisprudence
CO4	To know Internet marketing techniques

SYBBA-(CA) SEM-I

I) Data Structure Using C

CO1	To learn the systematic way of solving problem
CO2	To understand the different methods of organizing large amount of data
CO3	To implement efficiently the different data structures
CO4	To implement solutions for specific problems

II) Relational Database Management System

CO1	To learn fundamental concepts of RDBMS
CO2	To understand principles of databases
CO3	To learn database management operations
CO4	To know about data security and its importance
CO5	To design client server architecture

III) Operating System

CO1	To understand design issues related to process management and various related algorithms
CO2	To understand design issues related to memory management and various related algorithms
CO3	To understand design issues related to File management and various related algorithms

IV) Business Mathematics

CO1	To get a relational understanding of mathematical concepts, mathematical reasoning.
CO2	To able to apply their skill & knowledge that is translate the information into the mathematical form.
CO3	To select & use appropriate mathematical formulae or techniques to draw relevant conclusion

V) Software Engineering

CO1	To learn basics of System Analysis and Design
CO2	To understand principles of Software Engineering
CO3	To know various process models used in practice
CO4	To know the system engineering and requirement engineering

SYBBA-(CA) SEM-II

I) Object Oriented Programming using C++

CO1	To understand basic object oriented concepts and the issues involved in effective class design
CO2	To write C++ programs that use object oriented concepts such as information Hiding, , constructors, destructors, inheritance

II) Visual Basic

CO1	To develop the necessary skills to use a very powerful and popular front-end tool, Visual Basic
CO2	To create an application in Visual Basic, to work with objects and use objects provided by Visual Basic, such as controls, forms, and data

III) Computer Networks

CO1	To understand different types of networks, various topologies and application of networks
CO2	To learn types of addresses, data communication.
CO3	To be aware about the concepts of networking models, protocols, functionality of each layer.
CO4	To learn basic networking hardware and tools.
CO5	To understand wired and wireless networks, its types, functionality of layer.
CO6	To understand importance of network security and cryptography.

IV) Enterprise Resource Planning

CO1	To provide the ERP Business Transformation Strategy to modernize and integrate business processes and systems
CO2	To understand the success of any ERP implementation
CO3	To inform about the goals and objective of enterprise resource planning software implementation

V) Human Resource Management

CO1	To introduce to the students the functional department of human resource management and acquaint them with planning, its different functions in an organization
CO2	To introduce the human resource processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization
CO3	Explain the importance of human resources and their effective management in organizations
CO4	Demonstrate a basic understanding of different tools used in forecasting and planning human resource needs
CO5	Analyse the key issues related to administering the human elements such as motivation, compensation, appraisal, career planning, diversity, ethics, and training.
CO6	Analyse the role of recruitment and selection in relation to the organization's business and HRM objectives
CO7	Research the advantages and disadvantages of induction processes for new incumbents in a role

TYBBA-(CA) SEM-I

I) Java Programming

CO1	To handle Object Oriented Programming language
CO2	To handle abnormal termination of a program using exception
CO3	To create flat files
CO4	To design User Interface using Swing and AWT

II) Web Technologies

CO1	To understanding basic HTML designing
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CO2	To learn different technologies used at client Side Scripting Language Learn CSS
CO3	To learn JavaScript to program the behavior of web pages
CO4	To learn Core-PHP, Server Side Scripting Language

III)VB.Net

CO1	To design and develop Windows-based business applications using Visual Basic.NET programs that meet commercial programming standards
CO2	To design and develop Web based business applications using Visual Basic.NET programs that meet commercial programming standards

IV)Object Oriented Software Engineering

CO1	To understand importance of Object Orientation in Software engineering
CO2	To understand the components of Unified Modeling Language
CO3	To understand techniques and diagrams related to structural modeling
CO4	To understand techniques and diagrams related to behavioral modeling
CO5	To understand techniques of Object Oriented analysis, design and testing

TYBBA-(CA) SEM-II

I) Advance Web Technologies

CO1	To learn different technologies used at client Side Scripting Language Learn XML,CSS and XML
CO2	To learn PHP-Database handling
CO3	To learn PHP framework for effective design of web application
CO4	To learn AJAX to make our application more dynamic

II) Advance Java

CO1	To learn database programming using Java
CO2	To study web development concept using Servlet and JSP
CO3	To develop a game application using multithreading
CO4	To learn socket programming concept

III) Recent Trends In IT

CO1	To learn principles of Distributed database.
CO2	To understand data security and its importance
CO3	To design client server architecture

IV) Software Testing

CO1	To understand defects while developing the software and to gain confidence in and providing information about the level of quality
CO2	To discuss the distinctions between validation testing and defect testing
CO3	To describe the principles of system and component testing
CO4	To describe strategies for generating system test cases
CO5	To understand the essential characteristics of tool used for test automation

F.Y.B.B.A. SEM- I
COURSE OUTCOME

I) Business Organization and System

CO1	To Understanding of the main working aspects of organizations, not only from an economic point of view but also considering organizations as part of society.
CO2	To provide knowledge of a comprehensive glossary of economic terms widely used in the analysis and discussion of behavior organization.
CO3	To make the students aware about various activities of business, business practices and recent trends in business world.
CO4	To study the challenges before the businesses and setting up of a business enterprise.
CO5	To develop the spirit of entrepreneurship among the students.

II) Business Communication Skills

CO1	To develop the understanding about the concept, process and importance of communication.
CO2	To gain knowledge of media of communication.
CO3	To develop skills of effective communication - both written and oral.
CO4	To help students to acquaint with application of communication skills in the business world .

III) Business Accounting

CO1	To impart basic accounting knowledge
CO2	To develop skills of Accounting Practices .
CO3	To gain knowledge of new Accounting trends &Technology
CO4	To make the students aware about various activities of business, business practices and recent trends in business world
CO5	To make the student well acquainted with current financial practices

IV) Business Economics

CO1	To expose students to basic micro economic concepts.
CO2	To apply economic analysis in the formulation of business policies
CO3	To use economic reasoning to problems of business.
CO4	To gain knowledge of Recent trends in economy.

V) Business Mathematics

CO1	To understand the concept of shares & share market
CO2	To understand the concept of Transportation problems & its applications in Real life problems.
CO3	To use L.P.P. and its applications in business
CO4	To understand the concept and application of Permutations & Combinations in business
CO5	To understand applications of matrices in business.

VI) Business Demography and Environment Studies

CO1	To develop knowledge base for demographic and environmental factors affecting Business.&
CO2	To make the students aware of environmental problems related to Business and Commerce.
CO3	To inculcate values of Environmental ethics amongst the students
CO4	To gain knowledge of Recent trends

F.Y.B.B.A. SEM- II

I) Principles of Managements

CO1	To provide conceptual knowledge to the students regarding nature, complexity and various functions of management.
CO2	To give historical perspective of management.
CO3	Students will also gain some basic knowledge on recent trends and international aspects of management.
CO4	To observe and evaluate the influence of historical forces on the current practice of management.

II) Principles of Marketing

CO1	To study & critically analyse the basic concepts in marketing & to cater the needs of marketing industries.
CO2	To gain knowledge of Recent trends .
CO3	To make the student well acquainted with current Marketing practices
CO4	To provide the students with basic understanding of the processes and skills necessary to be successful in personal selling and insights about recent trends in marketing.
CO5	To provide an understanding of the tools and techniques necessary to effectively manage the sales function - organization - sales individual.
CO6	To provide students with advanced skills in the areas of interpersonal communications, Motivational techniques.

III) Principles of Finance

CO1	To providing understanding of nature, importance, structure of finance related areas.
CO2	To impart knowledge regarding source of finance for a business.
CO3	To gain knowledge of Recent trends.
CO4	To develop Understanding of capital structures of all types of business.

IV) Basic of Cost Accounting

CO1	To Impart the Knowledge of Basic cost concepts, element of cost & Preparation of Cost Sheet.
CO2	To provide basic knowledge of important Methods & Techniques of costing
CO3	To gain knowledge of Recent trends
CO4	To impart knowledge regarding cost Accounting in practical business
CO5	To make the student well acquainted with current financial practices

V) Business Statistics

CO1	To understand the concept - Index numbers and applications in business.
CO2	To understand the concept - Time Series and its applications in business.
CO3	To understand and to calculate various types of averages and variation.
CO4	To understand Correlation and use of regression analysis to estimate the relationship between two variables and its applications.
CO5	To understand the basics of statistics - concept of population and sample & to use frequency distribution to make decision.

VI) Business Informatics

CO1	To Know the Fundamentals of Computers
CO2	To develop understanding of how to use Computer applications in day to Day Applications.
CO3	To develop understanding of how to use Computer applications in day to Day Applications
CO4	To design strategies for successful implementation of ideas

S.Y.B.B.A. SEM- I

I) Personality Development

CO1	To acquaint the students with concepts, issues and various aspects of Personality Development .
CO2	To make the students aware about the dimensions and importance of effective personality.
CO3	To understand personality traits and formation and vital contribution in the world of business .
CO4	To make the students aware about the various dynamics of personality development.

II) Business Ethics

CO1	To impart knowledge of Business Ethics to the students.
CO2	To acquaint the students with concepts, issues and various aspects of Business Ethics .
CO3	To design strategies for successful implementation of ideas
CO4	To promote Ethical Practices in the Business
CO5	To develop Ethical and Value Based thought process among the future manager's entrepreneurs.

III) Human Resource Management

CO1	To introduce to the students the functional department of human resource management and acquaint them with planning, its different functions in an organization
CO2	To introduce the human resource processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization
CO3	Explain the importance of human resources and their effective management in organizations
CO4	Demonstrate a basic understanding of different tools used in forecasting and planning human resource needs
CO5	Analyse the key issues related to administering the human elements such as motivation, compensation, appraisal, career planning, diversity, ethics, and training.
CO6	Analyse the role of recruitment and selection in relation to the organization's business and HRM objectives
CO7	Research the advantages and disadvantages of induction processes for new incumbents in a role

IV) Management Accounting

CO1	To impart basic knowledge of Management Accounting.
CO2	To know the implications of various financial ratios in decision making.&To study the significance of working capital in business.
CO3	To develop the calculating ability of various techniques of management Accounting & To understand the concept of budgetary control and its application in business.
CO4	To acquaint the students with concepts, issues and various aspects of Management Accounting.
CO5	To interpretation and analysis of financial statements effectively.
CO6	To make the student to be an intensive users of financial statements as part of their professional responsibilities

V) Business Economics

CO1	To study the behavior of working of the economy as a whole.
CO2	To acquaint the students with concepts, issues and various aspects of Business Economics.
CO3	To develop an analytical framework to understand the inter-linkages among the crucial macroeconomic variables.
CO4	To apply economic reasoning to problems of business and public policy.

VI) I.T. in Management

CO1	To understand the role of IT in Management.
CO2	To acquaint the students with concepts, issues and various aspects of I.t. management.
CO3	To understand the basics of operating systems.
CO4	To know the current happenings.

S.Y.B.B.A. SEM- II

I) Production and Operations Management

CO1	To provide goods and services at the right time, at the right place at the right manufacturing cost of the right quality.
CO2	To acquaint the students with concepts, issues and various aspects of Production & operation management.
CO3	To understand manufacturing technology and its role in developing business strategy.
CO4	To identify the role of operation function.
CO5	To understand the external and internal effects of five operation performance objectives

II) Industrial Relations and Labour Laws

CO1	To impart the students with the knowledge about complexities between labour and management relationships.
CO2	To make the students aware about mechanisms of Industrial Dispute and friendly interventions to deal with employee-employer problems.
CO3	To impart the students with the knowledge of laws & how law affects the industry & labour.
CO4	To acquaint the students with concepts, issues and various aspects of Industrial relation & labour laws..

III) Business Taxation

CO1	To understand the basic concepts and definitions under the Income Tax Act, 1961.
CO2	To update the students with latest development in the subject of taxation.
CO3	To acquaint the students with concepts, issues and various aspects of Business Taxation.
CO4	To Acquire knowledge about Computation of Income under different heads of Income of Income Tax Act, 1961.
CO5	To acquire knowledge about the submission of Income Tax Return, Advance Tax, Tax deducted at Source, Tax Collection Authorities.
CO6	To prepare students Competent enough to take up to employment in Tax planner.
CO7	To develop ability to calculate taxable income of firms, co-operative societies and charitable trust.

IV) International Business

CO1	To acquaint the students with emerging issues in international business.
CO2	To acquaint the students with concepts, issues and various aspects of International business.
CO3	To design strategies for successful implementation of ideas
CO4	To study the impact of international business environment on foreign market operations.
CO5	To understand the importance of foreign trade for Indian economy.

V) Management Information System

CO1	To understand the concepts of Information System
CO2	To acquaint the students with concepts, issues and various aspects of Management information system.
CO3	To study the concepts of system analysis and design
CO4	To understand the issues in MIS

VI) Business Exposure

CO1	To develop the understanding of the student with a realistic and practical perception of the industry its layout, procedures, processes, organization structure
CO2	To make students understand the working of a business unit from different angles like HR, Finance, Marketing and Operations
CO3	To develop Team spirit and healthy competition among the students
CO4	To teach students to deal with the corporate people on their own, like – to convince the manager to allow them to understand and study their business unit
CO5	To present their knowledge and experience about their visit in the right way
CO6	To provide an exposure to students about practical working environment

T.Y.B.B.A. SEM- I

I)Supply and Chain Logistics

CO1	To introduce the fundamental concepts in Materials and Logistics Management.
CO2	To familiarize with the issues in core functions in materials and logistics management
CO3	To acquaint the students with concepts, issues and various aspects of Supply chain logistics .

II) Entrepreneurship Development

CO1	To create entrepreneurial awareness among the students
CO2	To help students to up bring out their own business plan
CO3	To develop knowledge and understanding in creating and managing new venture
CO4	To have the ability to discern distinct entrepreneurial traits
CO5	To know the parameters to assess opportunities and constraints for new business ideas
CO6	To understand the systematic process to select and screen a business idea
CO7	To design strategies for successful implementation of ideas
CO8	To write a business plan

III) Business Law

CO1	To understand basic legal terms and concepts used in law pertaining to business
CO2	To comprehend applicability of legal principles to situations in Business world by referring to few decided leading cases.

IV)Research Methodology(Tools & Analysis)

CO1	To provide the students with basic understanding of research process and tools for the same.
CO2	To provide an understanding of the tools and techniques necessary for research and report writing.
CO3	To develop understanding regarding types of research.
CO4	To develop understanding regarding some basic concepts of research and its methodologies
CO5	To identify appropriate research topics
CO6	To select and define appropriate research problem and parameters
CO7	To undertake a project
CO8	Organize and conduct research in a more appropriate manner

V) Specialization I (Finance)

CO1	To interpretation and analysis of financial statements effectively.
CO2	To make the student well acquainted with current financial practices
CO3	To assess the efficiency and performance of an enterprise

CO4	To make the student to be an intensive users of financial statements as part of their professional responsibilities
CO5	To make the student well-acquainted regarding current financial structure

VI) Specialization II (Finance)

CO1	To make the study of long-term financing
CO2	To make the student well-acquainted regarding current financial structure
CO3	To make the student well-acquainted regarding tools of financial statement analysis
CO4	To make the student well acquainted with current financial practices

T.Y.B.B.A. SEM- II

I) Business Planning & Project Management

CO1	To acquaint the students with the planning process in business and familiarize them with the function and techniques of project management
CO2	To train the students in project management .
CO3	To develop appropriate skills in the students so as to make them competent and provide themselves self-employment

II) Event Management

CO1	To acquaint the students with concepts, issues and various aspects of event management.
CO2	To train the students in communication skills effectively.
CO3	To develop appropriate skills in the students so as to make them competent and provide themselves self-employment
CO4	To inculcate Entrepreneurial skills.

III) Management Control System

CO1	To introduce to the students the function of management control, its nature, functional areas, and techniques.
CO2	To acquaint the students with concepts, issues and various aspects management control system.

IV) E-Commerce

CO1	To know the concept of electronic commerce
CO2	To acquaint the students with concepts, issues and various aspects of e-commerce .
CO3	To know the concept of Cyber Law & Cyber Jurisprudence
CO4	To know Internet marketing techniques

V) Specialization V (Finance)

CO1	To understand of application of theory into practice
CO2	To identify appropriate research topics
CO3	To acquaint the students with concepts, issues and various aspects of Financial services .
CO4	To identify appropriate research topics
CO5	To select and define appropriate research problem and parameters
CO6	To undertake a project
CO7	Organize and conduct research in a more appropriate manner

VI) Specialization IV (Finance)

CO1	To study in detail various financial services in India
CO2	Encourage student to think in a new and more creative way when analyzing or forecasting financial information
CO3	Introduce new tools common to financial statement analysis and how to use them in practical applications.
CO4	Understand how financial statement information can help solve business problems.
CO5	Increase your ability to read and understand financial statements and related information
CO6	Practice communicating decisions/ideas both .
CO7	To study in detail various financial services in India
CO8	To make the students well acquainted regarding financial markets

F. Y. B.SC. COMPUTER SCIENCE

COURSE OUTCOME

I) Problem Solving Using Computers and 'C' Programming Paper-I

CO1	To develop Problem Solving abilities using computers
CO2	To teach basic principles of programming
CO3	To develop skills for writing programs using C

II) File Organization and Fundament al of Databases Paper-II

CO1	To understand data processing using computers
CO2	To teach basic organization of data using files
CO3	To understand creations, manipulation and querying of data in databases

III) Statistical Methods I

CO1	To understand students are able to handle the statistical data and apply basic tools and methods required for data analysis.
CO2	To understand student should be well equipped to learn and apply acquired techniques in computer based applications.
CO3	Student should be able to apply data analysis methods to solve the real life problems.

IV)Statistical Methods II

CO1	To think logically using statistical counting methods such as permutation and combination
CO2	To be able to calculate different possibilities of a random experiment.
CO3	To handle hypothesis testing problems.

V) Electronics Science Paper I ELC-101: Principles of Analog Electronics

CO1	To get familiar with basic circuit elements and passive components
CO2	To understand DC circuit theorems and their use in circuit analysis
CO3	To study characteristic features of semiconductor devices.
CO3	To study elementary electronic circuits and applications
CO4	To understand basics of operational amplifiers.

VI) Electronics Science Paper II ELC-102: Principles of Digital Electronics

CO1	To get familiar with concepts of digital electronics
CO2	To learn number systems and their representation
CO3	To understand basic logic gates, boolean algebra and K-maps
CO3	To study arithmetic circuits, combinational circuits and sequential circuits
CO4	To study comparative aspects of logic families.

VII) Mathematics Paper -I: Discrete Mathematics

CO1	Students are able to think logically and are able to apply fundamental principles, methods in programming.
CO2	Student should be well equipped to learn and apply acquired techniques in computer based applications.
CO3	Students should be able to write algorithms and flow chart using the knowledge of graph theory.

VIII) Mathematics: Algebra and Calculus

CO1	A student should be able to understand relational mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
CO2	A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
CO3	A student should be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.

S. Y. B.SC. COMPUTER SCIENCE SEM- I

I) Computer Science Paper I CS-211: Data Structures using 'C

CO1	To learn the systematic way of solving problem
CO2	To understand the different methods of organizing large amount of data
CO3	To efficiently implement the different data structures
CO4	To efficiently implement solutions for specific problems

II) Computer Science Paper II CS-212: Relational Database Management System

CO1	To teach fundamental concepts of RDBMS (PL/PgSQL)
CO2	To teach principles of databases
CO3	To teach database management operations
CO4	To teach data security and its importance
CO5	To teach client server architecture

III) Electronics Paper - I: Digital System

CO1	To study the applications of logic gates.
CO2	To use K-maps for digital circuit design.
CO3	To study and understand basics of microprocessors
CO4	To understand fundamentals of multicore technology

IV) Electronics Paper-II: Communication Principles

CO1	To understand basics of communication systems.
CO2	To understand modulation, demodulation and multiplexing of signals
CO3	To understand digital communication techniques
CO4	To introduce concepts in advanced wireless communication.

V) Mathematics Paper-I Linear Algebra

CO1	To understand the concept of vector spaces in various branches of engineering
CO2	To understand the concept of linear dependent and independent vectors
CO3	To develop the techniques of coding theory for detecting and correcting errors in the transmitted data.
CO4	To understand the concept of linear transformation.

III) Mathematics Paper -II-Numerical Methods

CO1	To apply numerical methods and techniques in order to process the information and draw the relevant conclusion.
CO2	To calculate various real life problems using Numerical techniques
CO3	To apply their mathematical tools and techniques to solve practical problems

S. Y. B.SC. COMPUTER SCIENCE SEM -II

I) Object Oriented Concepts using C++

CO1	To acquire an understanding of basic object oriented concepts and the issues involved in effective class design .
CO2	To write C++ programs that use object oriented concepts such as information hiding, constructors, destructors, inheritance etc.

II)Software Engineering

CO1	To teach basics of System Analysis and Design.
CO2	To teach principles of Software Engineering
CO3	To teach various process models used in practice
CO4	To know about the system engineering and requirement engineering
CO5	To build analysis model

III)Electronics Paper-I: The 8051 Architecture, Interfacing &Programming

CO1	To study the basics of 8051 microcontroller
CO2	To study the Programming and interfacing techniques of 8051
CO3	To apply knowledge of 8051 to design different application circuits
CO4	To introduce the basic concepts of advanced Microcontrollers

IV)Electronics Paper-II: Analog Systems

CO1	To understand basics of analog electronics
CO2	To study different types of sensors
CO3	To understand different types of signal conditioning circuits
CO4	To learn data conversion techniques
CO5	To apply knowledge of analog systems in different applications

V) Computational Geometry

CO1	To apply their knowledge of geometry and vector in graphics.
CO2	To use of 2 dimensional and 3 dimensional transformation in the respective applied science.
CO3	To use their knowledge recognize basic geometrical figures and graphical displays , state important facts resulting from their studies.

VI)Operational Research

CO1	To use their knowledge and skills in creative ways to solve complex problems and have an impact on critical decisions
CO2	To <i>apply</i> tools and techniques and use a logical process to analyze and solve problems.
CO3	To do optimization of limited resources.
CO4	To understand the concept of Transportation problems & its applications in Real life problems.
CO5	To use L.P.P. and its applications in business

VII) English

CO1	To develop communication skills.
CO2	To develop proficiency in English.
CO3	To encourage to read various types of their own
CO4	To enable students for self-learning.

T. Y. B.SC. COMPUTER SCIENCE SEM-I

I) Systems Programming

CO1	To understand the design structure of a simple editor
CO2	To understand the design structure of Assembler and macro processor for an hypothetical simulated computer.
CO3	To understand the working of linkers and loaders and other development utilities
CO4	To understand Complexity of Operating system as a software

II) Theoretical Computer Science I

CO1	To have an understanding of finite state and pushdown automata.
CO2	To have a knowledge of regular languages and context free languages.
CO3	To know the relation between regular language, context free language and corresponding recognizers.
CO4	To study the Turing machine and classes of problems.

III) Computer Networks -I

CO1	To understand different types of networks, various topologies and application of networks.
CO2	To understand types of addresses, data communication.
CO3	To understand the concept of networking models, protocols, functionality of each layer.
CO4	To learn basic networking hardware and tools.
CO5	To understand wired and wireless networks, its types, functionality of layer.

IV) Internet Programming I

CO1	To learn Core-PHP, Server Side Scripting Language
CO2	To learn PHP-Database handling.

V) Programming in Java-I

CO1	To learn Object Oriented Programming language
CO2	To handle abnormal termination of a program using exception handling
CO3	To create flat files
CO4	To design User Interface using Swing and AWT
CO5	To learn Object Oriented Programming language

VI) Object Oriented Software Engineering I

CO1	To understand importance of Object Orientation in Software engineering
CO2	To understand the components of Unified Modeling Language
CO3	To understand techniques and diagrams related to structural modeling
CO4	To understand techniques and diagrams related to behavioral modeling
CO5	To understand techniques of Object Oriented analysis, design and testing

T. Y. B.SC. COMPUTER SCIENCE SEM-II

I) Operating Systems

CO1	To understand the design structure of a simple editor
CO2	To understand the design structure of Assembler and macro processor for an hypothetical simulated computer.
CO3	To understand the working of linkers and loaders and other development utilities
CO4	To understand Complexity of Operating system as a software

II) Compiler Construction

CO1	To understand design issues of a lexical analyzer and use of Lex tool
CO2	To understand design issues of a parser and use of Yacc tool
CO3	To understand issues related to memory allocation
CO4	To understand and design code generation schemes

III)Computer Networks -II

CO1	To learn Basic networking concepts..
CO2	To understand wired and wireless networks, its types, functionality of layer.
CO3	To understand importance of network security and cryptography

IV)Internet Programming II

CO1	To learn different technologies used at client Side Scripting Language
CO2	To learn XML,CSS and XML parsers.
CO3	To learn one of the PHP framework for effective design of web application.
CO4	To learn JavaScript to program the behavior of web pages.
CO5	To learn AJAX to make our application more dynamic

V)Programming in Java-II

CO1	To learn database programming using Java
CO2	To study web development concept using Servlet and JSP
CO3	To develop a game application using multithreading
CO4	To learn socket programming concept

VI) Computer Graphics II

CO1	To study how graphics objects are represented in Computer
CO2	To study how graphics system in a computer supports presentation of graphics information
CO3	To study how interaction is handled in a graphics system
CO4	To study how to manipulate graphics object by applying different transformations
CO5	To provide the programmer's perspective of working of computer graphics

M.Sc. COMPUTER SCIENCE -I SEM-I

COURSE OUTCOME

I) Principles of Programming Languages (CORE)

CO1	To understand syntax and semantics
CO2	To understand programming language designs
CO3	To learn new languages more quickly
CO4	To understand use standard vocabulary when discussing languages
CO5	To understand basic language implementation techniques

II) Advanced Networking (CORE)

CO1	To provide advanced background on relevant computer networking topics to have a comprehensive and deep knowledge in computer networks.
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III) Distributed Database Concepts (CORE)

CO1	To understand the principles and foundations of distributed databases.
CO2	To understand addresses architecture, design issues, integrity control, query processing and optimization, transactions, and concurrency control & distributed transaction reliability

IV) Design and Analysis of Algorithms(CORE)

CO1	Separate syntax from semantics
CO2	Compare programming language designs
CO3	Learn new languages more quickly
CO4	Use standard vocabulary when discussing languages

V) Network Programming (CORE)

CO1	To Provide Knowledge of C
CO2	To Understand Basic of Networking Concepts
CO3	<input type="checkbox"/> To Provide Knowledge of Linux

M.Sc. COMPUTER SCIENCE –I SEM-II

COURSE OUTCOME

I) Digital Image Processing (CORE)

CO1	To learn the fundamental concepts of Digital Image Processing
CO2	To study basic image processing operations
CO3	To understand image analysis algorithm
CO4	To expose students to current application in the field of Digital Image Processing

II) Advanced Operating Systems (CORE)

CO1	To Provide knowledge of C programming.
CO2	<input type="checkbox"/> To Understand Basic Computer Architecture concepts.
CO3	To Understand Basic algorithms and data structure concepts.

III) Data ware housing and mining (CORE)

CO1	To provide easy access to data from different sources
CO2	To create user friendly reporting environment

IV) Programming With DOT NET (ELECTIVE)

CO1	To understand the DOTNET framework, C# language features and Web development using
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V) Artificial Intelligence (ELECTIVE)

CO1	To understand and gain the knowledge of the subject
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VI) Advanced Design and Algorithm (ELECTIVE)

CO1	To analyze the asymptotic performance of algorithms.
CO2	To demonstrate a familiarity with major algorithms and data structures.
CO3	To apply important algorithmic design paradigms and methods of analysis.

M. Sc COMPUTER SCIENCE-II SEM-III

I) Software Metrics & Project Management (CORE)

CO1	Software Metrics and Project Management covers skills that are required to ensure
CO2	Successful medium and large scale software projects.
CO3	It examines Requirements Elicitation, Project Management, Verification and Validation

II) Mobile Computing (CORE)

CO1	To familiarize the students with the buzz words and technology of mobile Communication
CO2	To understand the GSM architecture

III) Soft Computing (CORE)

CO1	To understand the concepts of how an intelligent system work and its brief development process.
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IV) Web Services (ELECTIVE)

CO1	To Understand Web Services and implementation model for SOA
CO2	To Understand the SOA, its Principles and Benefits
CO3	To Understand cloud computing as a web service

V) Database and System Administrator (ELECTIVE)

CO1	To acquire a combination of both Operating Systems & Database
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	Administration skills.
CO2	SDBA program gives you ideal opportunity to practice what you have learned through

VI) Functional Programming(ELECTIVE)

CO1	To Understand what functional programming is, what different variants are there and have some grasp of their history;
CO2	To explain the semantics of different functional languages using precise formal specifications;
CO3	Know how to implement functional languages and what optimizations are important;
CO4	To be able to state and critique what it means for an implementation of a functional programming language to be correct
CO5	To be able to (in principle) formally prove correctness of their implementations, including their compilers and garbage collectors

VII) Business Intelligence(ELECTIVE)

CO1	To understand the role of BI in enterprise performance management and decision support.
CO2	To understand the applications of data mining and intelligent systems in managerial work.
CO3	To understand data warehousing and online analytical processing (OLAP) concepts

M. Sc COMPUTER SCIENCE-II SEM -IV

COURSE OUTCOME

I) Full Time Industrial Training/ Industrial Project(CORE)

CO1	To Implement of Computer languages on Live Project
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II) Parallel Computing (ELECTIVE)

CO1	To Learn basic models of parallel machines and tools
CO2	How to parallelize programs and how to use basic tools like MPI and POSIX threads.

III) Embedded System (ELECTIVE)

CO1	To understand and design embedded systems and real-time systems
CO3	To apply real-time systems design techniques to various software programs

IV) Software Quality Assurance (ELECTIVE)

CO1	To enable student to learn Software Quality Assurance good practices with the help of various techniques, Strategies and tools
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V) Modeling and Simulation (ELECTIVE)

CO1	To provide students with an opportunity to develop skills in modeling and simulating a variety of problems.
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