

Program Specific outcome , program outcome and course outcome 2020-2021

Ph.D. Course Outcome

Business policies are the guidelines developed by an organization to govern its actions. They define the limits within which decisions must be made. Business policy also deals with acquisition of resources with which organizational goals can be achieved. Business policy is the study of the roles and responsibilities of top level management, the significant issues affecting organizational success and the decisions affecting organization in the long-run.

Business Administration is the range of activities connected with organizing and supervising the way that an organisation or institution functions.

Ph.D. Research Programme is mainly focusing on the actual research process. Under Ph.D. Research Programme the research scholars can gain the knowledge of Research Methodology course. Through this programme the research scholars will learn how to present a research paper and how to set the objectives and hypothesis. This programme will also give a spotlight on how to use and apply statistical tools to the data which has been collected by research scholars.

With the help of this programme research scholars will get guidelines about how to use and an access to Infilbnet and Shodhaganga websites to refer journal papers and Ph.D. thesis. This programme will provide guidance regarding the Chapter Schemes of thesis which can be helpful for the research scholars to write and present their thesis.

Ph.D. Research Programme helps to get promotion in the job also it helps to the development of the nation.

Masters of Commerce

PROGRAM SPECIFIC OUTCOME:

After successfully completing post graduation, the students will be able to :

- ✓ Pursue professional courses such as CA, CS, CMA, Law, MBA, FOREIGN STUDIES, SET, NET and PH.D courses.
- ✓ Independently Work as tax consultant, audit assistant and other accounting supporting services.
- ✓ Independently handle various tax issues and tax reforms
- ✓ Take up employment in sectors such as Banking companies and Insurance companies, Share Markets, mobile marketing, retail marketing, Advertising Agencies, Foreign Trade, BPOs, MNC'S, KPOs, Start-Ups, Logistics, Competitive examinations like IRS, UPSC, MPSC and other government exams Academic.

PROGRAMME OUTCOME

After completion of this course students will be able to:

- ✓ Advanced knowledge of Economics and management and ethics Financial Accounting, Cost Accounting, Management Accounting and direct and GST Taxation, and also in research will help them to perform all type of accounting as per the type of organisation.
- ✓ Apply their skilled knowledge in business service sector industry.
- ✓ Get a better understanding of financial and Management Accounting.
- ✓ Acquire a Value System which will make them a responsible citizen.

Course Outcomes:

Semester I

1)Cost and Management Accounting

This course gives better understanding to students about techniques of marginal and standard costing and application of the same in decision making. It assists learners to acquire the knowledge of budgeting and budgetary control and application of cost accounting techniques in relevant industries.

2)Economics of Business decisions

This course is designed to equip the students with basic tools of economic theory and its practical applications. The course aims at familiarizing the students with the understanding of the economic aspects of current affairs and thereby prepares them to analyse the market behavior with economic way of thinking. In addition to providing an insight into application of economic principles in business decisions, it also intends to widen analytical ability of the students and to provide them a foundation for further study of economics. In order to make the study practical oriented, the paper requires discussion of some cases involving the use of concepts of business economics.

3)Strategic Management

Study of this course helps learners to understand:

Importance of strategic intent in the organization.

Different strategies for different target market.

SBU Management techniques and different models of Strategic Management like, BCG matrix, GE matrix, Ansoff Matrix etc.

Strategic implementation and evaluation techniques.

Disaster management techniques and importance of start-ups in India.

4) **Business Ethics and CRS**

Study of this course enables students:

- To familiarize with the knowledge of ethics, emerging trends in good governance practices and corporate social responsibility in the global and Indian context.
- To realize the importance of ethical behavior and the role of business ethics.
- To develop a broad understanding of Corporate Governance, its terminology, models, theories, legal and regulatory framework.
- Identify the key players of Corporate Governance and their responsibilities.
- Comprehend the role and functions of the board of Directors.
- Analyze the causes of corporate failures.
- Understanding the concepts, typology and legal requirements of Whistle Blowing.
- Appreciate the importance and benefit of Corporate Social Responsibility and Sustainable Development.

Semester II

1) **Corporate Finance**

Study of this course helps learners to understand analysis of financial statements of business enterprises to understand the concepts like cost of capital, capital structure of companies with various options such as debt finance, equity finance and both. This course helps students to understand the analysis of leverages in relation to finance such as financial leverage, operating leverage and combined leverages.

2) **Macroeconomics Concepts and Applications**

Heavily application-oriented nature of macroeconomics course is introduced in order to enable the learners to grasp fully the theoretical rationale behind policies at the country as well as at corporate level. This course enables the learners to receive a firm grounding on the basic macroeconomic concepts that strengthen analysis of crucial economic policies. Learners are expected to regularly read suggested current readings and related articles in the dailies and journals are analysed class rooms.

Learning Outcomes:

In M. Com. Semester I students are taught the applications of Micro economics to business and helps them in decision making processes of business. At semester II level, students learn about macroeconomic concepts and policies and their applications to the business. The knowledge acquired by students through intensive coaching at the under-graduate and post-graduate level brings about:

- Conceptual clarity of economic terms and entities.

- Equips them with skills required for getting suitable jobs in banking, insurance, retail, manufacturing sector and in education industry.
- Enhances students' analytical skills.
- Enhanced subject knowledge enables them to understand the functioning of economic system, operations and impact of monetary, fiscal and budgetary policies on various economic entities.

3) E – Commerce

Study of this course helps learners to understand different types of e-commerce. Learners will learn about the operations of website, importance of attractive website and importance of content writing. They will be acquainted with the knowledge of working of SEO, & Importance of SEO. They will also get to know about how e-commerce is more useful for expanding their business. Students will learn about risks associated with e-commerce website and electronic payment.

4) Research Methodology

The syllabus guides to Post Graduate students about research work. It helps the research scholars to learn and understand basic concepts of research. It is mainly focusing on actual research process, method of data collection, statistical analysis, etc. Through this syllabus, students learn to write research reports. Also, modern practices in research are developed through the syllabus. The syllabus also develops research culture among the students which is an essential part of the job.

Semester III (Accountancy)

1) Advanced Financial Accounting

This course gives better understanding to students about conversion of foreign branches under integral and non-integral accounting system and preparation of financial statements of banking companies and insurance companies. This course guides them regarding preparation of financial statements of co-operative societies.

2) Direct Taxes

Study of this course helps students to get familiar with the direct tax law of the country and to give advanced level of knowledge on direct tax laws and computation of income, tax liabilities and calculation of advance tax.

3) Advanced cost accounting

Study of this course assists learners to understand the process costing applicable to processing industries in relation to inter process transfer and equivalent units and cost allocations. This course helps student to understand strategic cost management such as ABC analysis, target costing, transfer pricing, responsibility accounting and inflation accounting.

4) Project work

Study of this course aims at understanding and analysis of independently preparing a project with primary and secondary data collection.

Semester III (Management)

1) Human Resource Management

Study of this course helps the learners to evaluate the process of recruitment and selection. They are able to impart knowledge for developing an organization's remuneration plans and analyze the changes in human resource practices. Students are capable to design and implement different methods for training of human resources. Study of this course apprises the students regarding various methods of collecting job analysis information and they are capable to understand employee recruitment and selection process. Learners are able to understand different types of remuneration plans and their significance and are capable of evaluating different training programs and understanding of their limitations.

2) Entrepreneurial Management

Study of this course helps in developing entrepreneurial skills among students. It teaches students to think outside the box and nurtures unconventional talents and skills. It provides details of various Government schemes and incentives available to entrepreneurs. Students can get motivated to start their own business (start up) which can lead to self employment.

3) Rural Marketing

The syllabus introduces the basic concept of rural marketing. It also introduces the students to Indian Rural Markets. It has covered Indian Rural Market System, Consumer behaviour in Rural Markets, Government Schemes for Rural Markets, Role of various Banks in Rural Marketing, etc. It is also focusing on Indian Agricultural Marketing and Agricultural Exports. It helps to update the learners with the recent trends in Rural Marketing.

4) Project work

Study of this course aims at understanding and analysis of independently preparing a project with primary and secondary data collection.

Semester IV (Accountancy)

1) Corporate Financial reporting

The objective of this course is to help students to understand and prepare financial statements and guides them regarding consolidation of financial statements. Learners learn about various methods of valuation of business and application of IND-AS.

2) Indirect taxes (introduction to GST)

Objective of this course is to make the students familiar with the application and calculation of GST. Students familiarised with the payment of GST and calculation of interest on late payment

3) Financial management

Study of this course gives a detailed idea of application of capital budgeting and its application and helps student to understand about inventory control, working capital management, working capital finance and budgetary control.

4) Project work

Study of this course helps students to prepare a project independently and how to collect primary and secondary data

Semester IV (Management)

1) Supply Chain Management and Logistics

Study of this course is to acquaint the students with the concepts and tools of supply chain management and logistics as relevant for a business firm. Describing fundamental supply chain management and logistics concepts at macro and micro levels; Develop an understanding of demand management, supply chain metrics (KPIs), Product development process and purchasing cycle. This course helps in understanding the role of Relationship marketing in SCM .This course helps to understand the foundational role of logistics as it relates to transportation and warehousing. Learners are able to compare modes of transportation and related policies and describe warehouse and inventory processes, systems, and performance measures. Students are able to analyze the importance of the third party logistic outsourcing – challenges and future directions.

2) Tourism management

Tourism is growing business; students can learn various employment options available in the field of tourism industry. It also teaches students about business management, marketing fundamentals, human resources, project management, sustainability, cross cultural awareness. Students can learn even basic but Very important things like how to prepare itinerary or how to manage the group of people on trips.

3) Management of Business Relations

Business Relationships can accelerate Economic Growth and improve efficiency. The syllabus is covering the basic concept of Business Relations, Manager's Role and Skills. The learners acquaint knowledge about various relationship management required in Business Strategies. It also guides the learners on how to maintain Business Relationships.

4) Project work

Study of this course aims at understanding and analysis of independently preparing a project with primary and secondary data collection.

Master of Science in Information Technology

PROGRAM SPECIFIC OUTCOME (PSO):

After successfully completing post-graduation, the students will be able to:

- Demonstrate a comprehensive understanding of the broad themes in advanced Information Technology
- Use and apply current technical concepts and practices in the core information technologies of networking, data management, software engineering, computer security, artificial intelligence.
- Demonstrate a deep understanding of the IT methodologies and frameworks used to solve complex computing problems related IT.
- Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
- Effectively integrate IT-based solutions into the user environment.
- Developed and implement optimal solutions to complex computing problems using industry-recognized best practices and standards.
- Apply ethical decision making in the development, implementation, and management of IT systems
- Co- relate their basic knowledge of Graphics, networking, Database Concept ,Computer Security to the real life organisational situations.

PROGRAMME OUTCOME (PO):

After completion of this course students will be able to:

- Understand the basic concepts of Programming Skills, Database Management, Network Security, Mobile Computing and Cloud Management
- Apply their knowledge in advanced levels in the IT/ ITES sectors.
- Develop their communication skills and enhance their knowledge of technology, ethical principles and responsibilities during professional practice.
- Acquire a value system which will make them a responsible citizen.
- Apply the knowledge of engineering and management principles to manage projects effectively

First Year M.Sc IT

Semester I

Course	Course Outcome
Data Mining	Study of this course will help the students to examine the types of the data to be mined and present a general classification of tasks and primitives to integrate a data mining system. Students will be able to evaluate and implement a wide range of emerging and newly-adopted methodologies and technologies to facilitate the knowledge discover. Assess raw input data, and process it to provide suitable input for a range of data mining algorithms. Discover and measure interesting patterns from different kinds of databases. Characterize and discriminate data summarization forms and determine data mining functionalities.
Software Testing	Study of this course helps them to understand various test processes and continuous quality improvement, types of errors and fault models, methods of test generation from requirements and application of software testing techniques in commercial environments.
Data Analysis and Tools	Study of this course provides detailed knowledge of C Programming, SQL Query , helps students to determine statistical significance and concurrently selecting data collection methods and appropriate analysis. Students learn about different Hypothesis Testing Methods.
Distributed System	Study of this course helps students to gain the knowledge of inter-process communication techniques to demonstrate message based protocols in a Distributed System. Learners are able to understand the concepts of synchronization, fault tolerance, and availability in distributed systems. Students will be able to identify the core concepts of distributed systems: the way in which several machines orchestrate to correctly solve problems in an efficient, reliable and scalable way. They will be able to examine how existing systems have applied the concepts of distributed systems in designing large systems

Semester II

Course	Course Outcome
Advanced Database Management Systems	Study of this course will help the students to understand the principles of concurrency control, functional dependency, anomalies in a database, the normalization process etc. Learners are able to explain the principles of recovery management, parallel algorithms for relational operations, using heuristics in query optimization, algorithms for executing query operations. They will gain knowledge about recent developments and active research topics in database.
Mobile Computing	This course will help students to understand fundamentals of wireless communications and analyze security, energy efficiency, mobility, scalability, and their unique characteristics in wireless networks. Learners will be able to demonstrate basic skills for cellular networks design and apply knowledge of TCP/IP extensions for mobile and wireless networking. They will be capable of describing infrastructures and technologies of mobile computing technologies. Students are able to effectively communicate course work through written and oral presentations.
Cloud Computing and Ubiquitous System	Students are able to understand core issues of Cloud Computing. Learners are able to identify the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid cloud, etc. They are able to understand the key technical and organisational challenges and the different characteristics of public, private and hybrid cloud deployment models.
Advanced Computer Networks	Study of this course helps students to understand fundamental concepts of computer networking and be familiarize with the basic taxonomy and terminology of the computer networking area. Learners are able to identify the different types of network topologies and protocols and understand the skills of sub netting and routing mechanisms.

Second Year M.Sc IT

Semester III

Course	Course Outcome
Virtualisation	Study of this course ensures that students become employable and productive right from joining. They learn about different types of hardware virtualization includes Full virtualisation and Para virtualization.
Ethical Hacking	Students will learn the underlying principles and techniques associated with the cyber security. They are able to identify and analyse the stages an ethical hacker requires to take in order to compromise a target system. Learners are able to critically evaluate security techniques used to protect system and user data.
Information Security Management	Students are capable to operate in complex and unpredictable contexts to select identification and authentication technologies appropriate for an organization. Learners are able to reformulate and use practical, conceptual and technological understanding to create security roles, procedures and management structures appropriate for an organization.
Embedded System	Study of this course will provide knowledge about the basic working of a microcontroller system and its programming in assembly language to learners. This course aims to provide experience to integrate hardware and software for microcontroller applications systems and get insight design metrics of systems to design real time applications to match recent trends in technology. This course helps students to understand real time systems concepts, Linux operating system and device drivers.

Semester IV

Course	Course Outcome
Intelligence Systems	Study of this course will enable student to demonstrate fundamental understanding of the history of artificial intelligence (AI) and its foundations. They are capable to apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning. Learners are able to demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.
Computer Forensics	Students will be able to interpret and appropriately apply the laws and procedures associated with identifying, acquiring, examining and presenting digital evidence. They are able to create a method for gathering, assessing and applying new and existing legislation and industry trends specific to the practice of digital forensics and employ fundamental computer theory in the context of computer forensics practices. Learners are able to identify the culture of white-collar crime and the methods used by white-collar criminals and employ this knowledge to guide economic crime investigations. They are capable of explaining the role of digital forensics in the field of information assurance and cyber security and recognize the opportunities to benefit from and support the goals of those fields.
Cloud Management	Study of this course will help students to understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making. Learners are able to analyse and synthesize business information and systems to facilitate evaluation of strategic alternatives.
IT Infrastructure Management	The purpose of this course is to provide structure and control of the functions responsible for diverse technical operations which generally involve hardware, software, and networking in both physical and virtual environments.
Project Work	<p>Final Year Projects represent the culmination of study towards the M.sc IT degree. Projects offer the opportunity to apply and extend material learned throughout the program. Assessment is by means of a seminar presentation, submission of a thesis, and a public demonstration of work undertaken. Learners are able to :</p> <ul style="list-style-type: none"> ● Demonstrate a sound technical knowledge of their selected project topic. ● Undertake problem identification, formulation and solution. ● Design engineering solutions to complex problems utilising a systems approach. ● Conduct an engineering project ● Communicate with engineers and the community at large in

	<p>written an oral forms.</p> <ul style="list-style-type: none"> • Demonstrate the knowledge, skills and attitudes of a professional engineer.
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Bachelor of Commerce [REGULAR]

PROGRAM SPECIFIC OUTCOME (PSO):

After successfully completing graduation ,the students will be able to :

Pursue professional courses such as CA, CS, CMA, Law, MBA and Post Graduate courses.

Work as tax consultant, audit assistant and other accounting supporting services.

Demonstrate their knowledge of various tax issues and tax reforms related to individual.

Co- relate their basic knowledge of economics , commerce, accounting ,auditing and marketing to the real life organisational situations

Take up employment in sectors such as Banking and Insurance, Share Market, Retail, Advertising Agencies, Foreign Trade, BPOs, KPOs, Start-Ups, Logistics, Competitive examinations like IRS and Academic.

PROGRAMME OUTCOME

After completion of this course students will be able to:

- ✓ Understand the basic concepts of Commerce, Law, Economics, Mathematical and Statistical Techniques, Financial Accounting, Cost Accounting, Management Accounting and Taxation, which will help them to perform all type of accounting as per the type of organisation.
- ✓ Apply their knowledge in business service sector industry.
- ✓ Develop their communication skills and enhance their knowledge of computers
- ✓ Get a better understanding of Environmental Management System.
- ✓ Acquire a Value System which will make them a responsible citizen.

Course Outcomes

Class; F. Y. B. Com.

1) Accountancy and Financial Management I & II

This course gives basic understanding to students about various accounting standards and their applicability in accounting transactions and knowledge about method of inventory valuation in concern to firms and organisation. Students are enabled with the knowledge of nature of revenue and expenditure and preparation of final accounts in the books of manufacturing concerns and they are able to understand fundamentals of financial accounting system and to impart skills in accounting for various kinds of business transactions like Departmental accounts, hire purchase system, consignment account, Branch accounts and evaluation of Fire insurance claims.

2) Business Communication

After the successful completion of the course students are expected to enhance their listening, speaking, reading and writing skill to meet the basic challenge of corporate world. They are expected to understand complexity of the communication process and take efforts to develop their language skills according to the changing demand of the globalised world using communication technology. They are supposed to speak with confidence interpersonally and in large groups. They are also supposed to write in clear, concise and persuasive manner keeping in mind the purpose and receiver's point of view. They are also expected to write job application effectively. It is expected that they will be able to write basic and most required personnel letter such as acceptance of job offer , resignation letter etc. according to the requirement of situation.

3) Business Economics

The new syllabus introduced in 2016-17 for the First Year B. Com. students for the CBCS is a Discipline Related Elective (DRE) course. It aims at enabling students:

- ✓ Define, analyze and explain the basic microeconomic concepts.
- ✓ Understand fundamental tools for economic analysis and will initiate students to apply mathematical and statistical analytical techniques to real business problems.
- ✓ Understand case studies on business problems at micro level and equip them to identify various market structures.
- ✓ To comprehend capital budgeting techniques and their application to real life business problems.

Understanding of various microeconomics concepts at the First Year B. Com. will broaden learners' outlook to business scenario.

4) Foundation Course

Semester I comprises of four modules; Overview of Indian Society, Concept of Disparity ,The Indian Constitution ,Significant Aspects of Political Processes.

Module I helps them to understand the multi-cultural diversity of Indian society through its demographic composition: Population distribution according to religion, caste, and gender. It also helps them to understand regional variations according to rural, urban and tribal characteristics.

Module II teaches them the concept of disparity that is arising out of inequality based on caste and class. Students 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. Also they learn inter-group conflicts, its causes and effects arising out of communalism, casteism, regionalism and linguistic differences.

Module III tells them the philosophy of the Constitution as set out in the Preamble; Basic features of the Constitution. Their Fundamental Duties as Indian Citizen; tolerance, peace and communal harmony as crucial values in strengthening the social fabric of Indian society

Module IV makes them understand the party system in Indian politics; Local government in urban and rural areas. Role and significance of women in politics. How can youth participate politics?

Semester II comprises of four modules; Globalization and Indian Society, Human Rights, Ecology and Understanding and Managing Stress and Conflict.

Module I helps them to understand the concepts of liberalization, privatization and globalization – its causes and impact. Impact of globalization on industry and on Agriculture.

Module II teaches them the concept of Human Rights; origin and evolution of the human rights; The Universal Declaration of Human Rights; Human Rights constituents with special reference to Fundamental Rights stated in the Constitution.

Module III helps them understand the concept and Scope of Ecology. Threats to the environment arising from extinction, loss of habitat, and degradation of environment. Pollution and climate change. Sustainable development, its concept and components; poverty and environment.

Module IV makes them understand about Stress and how to manage stress. Conflicts and Coping Mechanisms; Conflicts at individual and societal levels. Significance of values and ethics towards building peace and harmony.

5) Commerce

Semester I- Subject topics cover objectives of business, new trends in business, business environment including international environment. The subject also guides the students about project planning, statutory requirements in promoting business unit. It also covers entrepreneurship.

Semester II- The syllabus has covered concept of services, marketing mixed for services service strategies. It is also guiding about retail scenario in India and global context. The syllabus has also introduced Ecommerce its types and present status in India.

6) Mathematics and Statistics

- Aids students in analytical thinking, reasoning and in arriving at logical conclusions.
- Exposes students to share market dealings and to various mathematical calculations in share trade.
- Introduces students to mutual fund schemes and helps them to get knowledge about systematic investment plan.
- Practical exposure to calculations in Equated Monthly Instalments (EMI).
- LPP helps students to make optimal decisions in their careers in commerce.
- Knowledge of arithmetic helps students to be more skilful in solving accounting problems.
- Correlation helps them to understand whether some relationships exist amongst various factors in Commerce and Trade and also regression aids in establishing those relationship.
- Time Series helps them to analyse and forecast the business pattern.
- Probability and study of theoretical distribution allows them to draw conclusions and helps them in their further study in Research Methodology.

7) Environmental studies Semester I

Environmental studies semester I includes Ecosystem and Environment, Natural resources and sustainable development, Population studies, Urbanization and World map. All these topics are important as they help students understand following concepts:

- Ecological balance is important in nature. Each and every organism is important for the survival of human being as extinction of any species is going to affect food chain.
- Chemicals that we use in daily life have a lifecycle in an ecosystem and it adversely affects us through the process of bioaccumulation and biomagnification.
- Natural resources on this earth are to be used sustainably as these resources are limited on earth.
- It is essential to control population so as to maintain balance in an ecosystem.
- Population growth, migration, urbanization has adverse impacts on environment.
- Student reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.

Semester II

This course includes Solid waste management, problems associated with industrialization and agriculture, Tourism, Environmental management and Map of Mumbai and Kokan. All these topics are important as they help students understand following concepts:

- Following 7R concept in daily life, segregating waste into wet and dry.
- Responsible tourism is important for environmental conservation and growth of tourism sector.

- Sustainable practices to be followed in industries and in agricultural sector.
- Environmental management system adopted in companies help to reduce environmental degradation.
- As a future employee students need to understand the concept of environmental certification system, green audit, green business, green consumerism, carbon credits and corporate social responsibility.

Other than this, through Green Club of Ramanand Arya DAV College various awareness sessions, workshops and nature trails are organized which help students understand the concept in the textbook more effectively.

Course Outcomes

Class ; S. Y. B. Com.

1) Accountancy and Financial Management III & IV

This course enables students to prepare final accounts in concern to partnership firm and gives knowledge about accounting transactions in concern to admission, retirement and death of partner. It also develop conceptual understanding of preparation of ledgers in case of dissolution and amalgamation of firms and conversion of partnership firm into limited company. Study of this course helps learner to understand company accounts in concern to redemption of shares and debentures and ascertainment and treatment of profit prior to incorporation.

2) Business Law

Course/Subject

Outcomes:

This course gives a basic understanding of Civil Laws that deal with Business. The focus is on the foundation of all Civil Laws ie .the Indian Contract Act which helps to understand other Civil Laws .The study of Business laws gives and understanding of the rights and liabilities of parties dealing in Business transactions. Students study the Indian Contract Act , Sale of Goods Act, Negotiable Instruments Act, Indian Companies Act, Indian Partnership Act, Intellectual Property Rights, Competition Act and the Consumer Protection Act.

Learning Outcomes:

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

- Get an understanding of the Civil Laws relating to business.
- Demonstrate an understanding of basic legal concepts and their application to Business realities.
- Sharpen their analytical skills through using Case Laws.
- Enhance their ability to relate theory to practice.
- Develop an approach to understanding a law.

Subject Specific Outcome:

An understanding of laws dealing with Business and the ability to relate the law to real life through the study of case laws

2) Management functions and Challenges

Semester III- The syllabus guides the learners the basic concepts of management, classical and modern management approach. It has also covered managerial functions and various relevant concepts. Through this syllabus it is also focusing on Indian culture and management. It also helps to develop various business skills among the students.

Semester IV- The syllabus helps to acquaint the learners with the basic concepts of production management, inventory management and quality management. It also provides basic knowledge about Indian financial systems. It helps to update the learners with the recent trends in finance.

2) Management Accounting and Auditing

This course gives a basic understanding of concepts of management accounting, decision making process and difference between Financial accounting and management accounting. Students are able to analyse and interpret financial statements. They are able to calculate various ratios required for decision making process. Study of this course helps student to understand various capital budgeting techniques.

The study of auditing in semester IV gives an understanding of basics of auditing, types of errors and frauds and this course gives them knowledge about duties and responsibilities of Auditors. This course them knowledge about audit planning, procedures and how documentation is done in auditing. This course gives them understanding of Auditing techniques.

3) Business Economics

An overall approach to macroeconomics is to examine the economy as a whole. This course is an introduction to the basic analytical tools of macroeconomics to evaluate macroeconomic conditions such as inflation, unemployment and growth. It is designed to make system of overall economy understandable and relevant. The aim is to provide a clear explanation of many aspects of aggregate economic variables to inspire a consistent way of thinking about key macroeconomic phenomena. It intends to familiarize the commerce students with basic concepts of macroeconomics and with certain common features of economic occurrence in the real world.

Public Finance Issues are central to economic and Political discourse worldwide, as one of the primary functions of government is to generate resources from its people to spend money for improving the lives of its people. The primary objective of this course is to provide students with the tools to understand the underlying concepts and practical trade-offs entailed in Public

finance policy alternatives. It is strongly recommended to analyse Union budget of ongoing financial year in the class room.

4) Foundation Course

Emphasis on Human rights provisions strengthens student's appreciation for human rights from personal and individual point of view, thereby making them a responsible citizen. Academically contextual emphasis brings in relevance in teaching-learning process as opposed to mere rote learning. Overall development of scientific temper rekindles enquiry spirit and objectivity.

7) Advertising

Semester III- The course highlights the role of advertising for the success of brands and its importance within marketing function of a company. It orients learners towards the practical aspects and techniques of advertising.

Semester IV The syllabus has covered media in advertising, planning advertising campaigns. the subject is also guiding about fundamentals of creativity in advertising, execution and evaluation of advertising.

The syllabus guides to the learners about job opportunities in advertising and develops creativity

Course Outcomes

Class; T.Y.B. Com.

1) Cost Accounting

The objective of the course is to equip the students with the ability to understand objectives of cost accounting, different cost behaviour pattern. This course makes them enable to compute various costs like material cost, Labour cost and various overheads.

This course enables them to prepare cost control accounts. Students are also able to do accounting for tax deducted at source by contractee and accounting for plant used in contract. Knowledge of topics like process costing, marginal costing and standard costing makes them enable to support any organisations to take managerial decision. Students are also aware of some emerging cost accounting concepts like target costing, ABC costing and Bench mark costing.

2) Financial Accounting

This course enables the students to prepare final accounts of companies, makes them understand company law provisions related to internal construction and buy back of shares. The objective of the course is to equip the students with the ability to understand ethical behaviour required for an Accountant and to understand accounting transactions in amalgamation of companies, absorption, external reconstruction, foreign currency, and liquidation of companies. This course gives a basic understanding of underwriting of shares and debentures and accounting for limited liability partnership.

3) Direct and Indirect Tax

This course enables the students to understand the basic terms used for computation of tax.

Students are able to compute tax on :-

- Income from salary,
- Income from house property,
- Profits and gains from Business
- Capital Gains

They also gain knowledge about various deductions from total income.

5) Export Marketing

This course gives better understanding of the Export marketing procedure. Students come to know about the job opportunities in respective field. Students learn how to maintain relationship with foreign customers.

Students learn FOREIGN TRADE POLICY and various Government schemes available for Exporters.

5) Human Resource Management and Marketing Management

Semester V- The syllabus has covered concept marketing management consumer behaviour and customer relationship management

It has also covered basic marketing decision concept [marketing mix]. The learners also acquaint knowledge about key marketing dimensions. It also develops marketing skills among the students.

Semester VI-Human Resource Management- The syllabus has covered basic human resource planning process, management. it has also covered human resource development, human relations and recent trends in human resource management. The syllabus is very much job oriented.

It also guides to the learners about “how to face interview”.

6) Computer Applications

Semester V

The syllabus guides the learner about Data communication, Networking and Internet where they learn about data communication component, Data representation and Network structure, topologies, Network protocols and Hardware. Learners learn about different types of connections, sharing internet connections, hotspot, services on net, Searching engines, searching directories, meta search engines, cyber crime, hacking, sniffing and spoofing. Learner learns about Database and MySQL and spreadsheet.

Semester VI

The syllabus helps the students to understand basics of e-commerce, types of e-commerce, business models in e-commerce, payment system and limitations of e-commerce. Learner learns about advance spread sheet and visual basic, introduction to graphical user Interface. Learner learns about variables, constant and calculations. They learn about how to write a function procedure and how to create a new sub procedure.

6) Business Economics

The new syllabus introduced from the academic year 2018-19 for the CBCS is a Discipline Related Elective (DRE) course. The syllabus is designed to acquaint students with macroeconomic aspects of India. Module 1 of the syllabus provides an overview of Indian economy and the compulsions that led to introduction of LPG policy in India in 1991. Module 2 initiates students into the policy aspects of agriculture; marketing, pricing and finance. Module 3 equips students with knowledge of Indian industry, problem of industrial pollution and the importance of growing service sector. Module 4 familiarises students with India's money and capital markets – issues and policies.

Semester VI syllabus apprises students with global macroeconomic concepts – theories and practical aspects of international trade. Module 1 introduces students to theories of international trade; Module 2 initiates them to international commercial policy and explains concepts and issues related to international integration. Module 3 equips students with understanding of Balance of Payments of the country and knowledge of WTO and its impact on India. Module 4 familiarizes students with concepts and theories of exchange rates and the role of the central bank as a stabilizer in the foreign exchange market.

At the end of the course containing six semesters, two semesters in each class – First Year, Second Year and Third year, this DRE course prepares students' understanding of economic environment (at micro and macro level) for business as commerce graduates.

**DEPARTMENT OF SELF FINANCE:
Bachelor of Management Science**

PROGRAMME SPECIFIC OUTCOME (PSO)

Students will be able to use analytical and reflective thinking techniques to identify and analyse problems, develop viable alternatives and make effective decisions.

Learner can apply appropriate quantitative and qualitative techniques in solving business problems.

Students can write effective business documents reports, letters. Learner can prepare and deliver effective oral business presentations using a variety of ICT tools.

Students can identify and analyse ethical conflicts and social responsibility issues in organisation and learned how to tackle the issue.

Learner will be able to start their business, start up, affiliate marketing, HR consultancy with the help of professional skills.

Learners can do jobs in various fields like marketing, HR, finance. Learner will work effectively in the organisation.

Learners can opt MBA course for their further studies in their selected area of specialisation, BMS program will help learner to strengthen the foundation for further studies.

PROGRAMME OUTCOME:

After completing three years BMS (Bachelors of management studies) program, students would gain professional skills in their specialised area.

BMS gives you the extra skills which will help you to properly handle and manage the operation of business in a corporate firm. It teaches students concepts and principles about how to overcome challenges effectively.

BMS program includes special manager and communication skills in the form of presentation, industrial visits, projects, internship which will help students to become industry ready.

This course allows aspirants to specialise in diverse areas of business such as marketing human resource and finance.

SEMESTER I

Course	Course outcome
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Financial Accounting	Students will acquire conceptual knowledge about Book-keeping and accounting. Students should impart skills for recording various kinds of business transactions.
Business Law	Students learn about contract act, and sale of goods act. This is important for any commercial activities related to organisations.
Business Statistics :	This course provides basic understanding about various statistical tools and techniques and they are expected to apply these techniques in business.
Business Communication - I	Students are clear about the scope of communication at global level. They learn about accurate process of communication and importance of letter and report writing in organisations and business concerns.
Foundation Course - I	Study of this course makes the learner familiar with the basic concepts concerning his or her life, governance, nature and society and thus mould his or her personal life in a sustainable path of progress and well-being.
Foundation of Human Skills	The study of this course aids students about Psychological theories related to Human Behaviour and their application in day today life. They also know about various concepts like Classical Conditioning Theory of Learning, Perception, Power and Politics, types of Negotiations, organisational Conflicts and how to deal with conflicting situations in an organisation related to employees and employer.
Business Economics-I	Students are able to explain the different type of market structure and how profit and loss takes place in market and how international market can be helpful to our country by trade. Students gain knowledge about demand analysis, supply and production decisions and pricing practices in the firms.

SEMESTER II

Course	Course outcome
Principles of Marketing	Students will be able to analyse and apply a wide variety of marketing techniques and models to the strategic marketing process. This course helps students to understand marketing environment, research and consumer behaviour and marketing mix. Students also gain knowledge about segmentation, targeting and positioning and trends in marketing.
Industrial Law	This course helps students to understand law related to industrial relations and industrial disputes. Students learn about various laws related to health, safety and welfare.

	Learners are acquainted with knowledge of social legislation and laws related to compensation management. in industry and their solutions, trade unions, gratuity and provident fund activities.
Business Mathematics:	This course provides basic knowledge about elementary financial mathematics. They gain knowledge about matrices and determinants, derivatives and their application which make them capable for quantitative analysis in business.
Business Communication –II	The study of this course makes the learner capable to write various types of letters related to Business like Sales Letters, Trade Letters, Consumer Grievance Letters, RTI letters and well as for Job Application.
Foundation Course -	This course enables students to understand globalisation and society, Human rights and ecology. The study of this course enables students to understand causes of stress and conflicts and how to manage stress .
Business Environment:	This course helps students to understand about nature and scope of business, types of business organization. Learner is able to analyse business environment on the basis of macro and micro environment. The study of this course gives them knowledge about different type of business environment.
Principles of Management:	Learner is familiar with the basic concepts concerning to management like planning, organising, directing, staffing, leadership and controlling. Students learn about evolution of management thoughts and recent trends in management.

SYBMS – SEMESTER III

Course	Course outcome
Accounting for Managerial Decision	Study of this course develop investment planning strategies to assist clients in meeting financial goals and helps learner to understand risk management concepts and understand the cash flow statement analysis in the organisation.
Information Technology in Business Management - I	This course enables the students to effectively utilize hardware and software technologies in planning, installing, customizing, operating, managing and administering, and maintaining information technology infrastructure that provides computing solutions to address the needs of an organisation.
Strategic Management:	Students will be able to demonstrate an understanding of strategic management and the ability to effectively apply this knowledge in a variety of business contexts; utilise techniques of analysis and enquiry within strategic management models in a critical and informed way; identify key issues
Business Planning and Entrepreneurship Management:	Students are able to understand how to plan before setting up any business students are able to analyse the risk factor in the new business.

Foundation Course (Environmental Management)- III	Learner is familiar with the basic concepts concerning his or her life, governance, nature and society and thus mould his or her personal life in a sustainable path of progress and well-being.
Corporate Finance:	Students will understand the fundamentals of the financial planning process and mobilisation of funds in the business.
Cost Accounting	It will help the students to understand cost sheets, Contract Costing, Process costing. They can apply this knowledge of costing in real market.

Marketing (Specialisation)

Course	Course outcome
Consumer behaviour:	Students will be able to understand consumer decision making process and different models in decision making and factors influencing decision making.
Advertising:	This course gives basic understanding to students about working of advertising agencies and different departments of advertising agencies. Students are enabled with knowledge of importance of testing in advertising and different tools and techniques of testing, ethics in advertising. Students will learn how consumer attitude and perception can be changed with the help of advertisement.

Human Resource Marketing (Specialisation)

Course	Course outcome
Recruitment & Selection	Study of this course helps students to understand about the functioning of the recruitment & Selection procedure in the organization. They could also relate the theoretical knowledge during their internship in TYBMS Motivation and Leadership.
Motivation and Leadership.	Students will gain knowledge of the leadership strategies for motivating people and changing organizations. They will study how leaders facilitate group development and problem solving and work through problems and issues as well as transcend differences. Students will be acquainted with practical approaches to Motivation and leadership and its application in the Indian context.

BMS SEMESTER IV

Course	Course Outcome
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Business Research Methods:	Students will gain knowledge of the types of research, use of research and how to utilise different tools for research with special reference to Business organisation.
Information Technology in Business Management - II	The Information Technology program aims to prepare and equip students to effectively utilize hardware and software technologies in planning, installing, customizing, operating, managing and administering, and maintaining information technology infrastructure that provides computing solutions to address the needs of an organization.
PTQM:(production and total quality management)	Students become well versed with the various activities and systems involved in ensuring the highest levels of production of goods and services - both in quantity and quality.
Business Economics-IV	Students are able to explain the different type of market and how profit and loss takes place in market and how international market can be helpful to our country by trade.
Foundation Course (Ethics & Governance)- IV	Learner is familiar with the contemporary rights of citizens. Students learn about approaches to understand ecology. The study of foundation course gives them understanding about some significant modern technologies. They learn about soft skills required for competitive exams.

Finance (Specialisation)

Course	Course Outcome
Corporate Restructuring	Students come to know about internal reconstruction, mergers and acquisition of the companies.
Auditing	This subject helps to acquire knowledge of checking and verification of books of accounts. This course helps students to impart knowledge of finding true and fair view of financial statement.

Marketing (Specialisation)

Course	Course Outcome
Integrated Marketing Communication	Study of this course enables students to craft an oral and written integrated marketing communications plan based on primary and secondary research. Learners are able to ensure a substantive assessment of corporate strengths, weaknesses, opportunities and threats (SWOT analysis) and create a substantive research plan for one's project; and build a sound capital budget with financial objectives and a measurable financial assessment They are also able to construct IMC creative strategies and tactics, including digital & social media executions, advertising, promotions, and public relations initiatives.
Event Marketing:	The study of this course helps the students to understand event marketing basics types of events and how to analyse each events requirement .

Human Resource Marketing (Specialisation)

Course	Course Outcome
Human Resource Planning and Information System	The outcome was that the students got deep understanding of the importance and Need of the HRIS system in the organisation and also the importance of Human Resource Planning. The students got the insight as to how the HRIS module operates and how useful it is for the smooth functioning of the organisation
Training and Development:	The study of this course gives basic understanding of various training methods applied in organisations and importance of training.

Third Year Bachelor of Management Science

SEMESTER V

Course	Course Outcome
Logistics and supply chain management:	Students become well versed with the various activities and systems involved in ensuring the highest levels of production of goods and services - both in quantity and quality.
Corporate Communication and public relation:	Students will learn about corporate communication and how to develop public relation in the corporate world.

Marketing (Specialisation)

Course	Course Outcome
E-commerce:	At the end of this course, the students are able to explain the concepts, use of e-commerce tools and importance of e-commerce.
Sales and distribution	At the end of this course, the students are able to explain the concepts, attitudes, techniques and approaches required for effective decision making in the areas of Sales and Distribution. Learners are able to exhibit skills acquired for designing, evaluating and selecting sales and distribution strategies in practical settings. They are able to design, evaluate and select Sales and Distribution strategies in real time situations.
Customer Relationship Management	The primary objective of this course is to make students aware about concept of CRM and implementation of CRM. They will receive insight in CRM marketing initiatives, customer services and also learn how to design customer strategy. They will be acquainted with new trends in CRM, challenges and opportunities for organization.
Service Marketing:	On completion of the course, students will normally be able to: <ul style="list-style-type: none"> ● Develop familiarity with the concepts of Services Marketing ● To show that the characteristics of services affect a real-life customer experience. ● Enhance their abilities to apply target marketing strategies in various and specific marketing situations. ● Develop an awareness and appreciation of research applicable to Services Marketing.

Human Resource (Specialisation)

Course	Course Outcome
Finance for HR Professionals & auditing ;	At the end of the course students will understand how hr auditing works in the organization which may enhance organisation performance.
Compensation Management:	The students will get the insight as to how the compensation plans are made in the organisation and how useful it is for the smooth functioning of the organisation.
Strategic Human Resource Management and HR Policies	The study of this course will help the students to have deep understanding of the importance and need of the strategic HRM system in the organisation and also the importance of Human Resource Planning. They will also acquire basic knowledge about how the Strategic decision decisions are made in the organisation and how useful it is for the smooth functioning of the organisation.
Talent and competency:	Learners will have deep understanding of the importance and need of competency mapping , students will learn about talent pool and talent hunting and problems in talent acquisition due to globalisation.
<u>Stress Management</u>	After the study of this course learner will be familiar with the stress prevention mechanism, strategies that help cope with stress. They will be able to apply stress management principles in order to achieve high levels of performance. This will help students to adopt effective strategies, plans and techniques to deal with stress.

Semester VI

Course	Course outcome
Operation Research:	Study of this course helps students to understand the fundamentals of the operation research and mobilisation of funds in the business.

Marketing (Specialisation)

Course	Course outcome
Retail Management:	Study of this course enhance abilities of the learner to apply target marketing strategies in various and specific marketing situations in retail
Brand management:	Students will understand key issues in building and maintaining brands and brand equity. This course helps students to develop an understanding of key marketing issues, critical evaluation of strategic options, and exposure to marketing role in brand and strategy decision-making. Students will have exposure to project participation in brand management issues and the brand planning and implementation process.
Media planning:	As a result of study of this course, the student should be able to: <ul style="list-style-type: none"> ● Critically evaluate the theories and principles underlying media planning strategy and tactics. ● Apply relevant theories and models for the development of a media strategy-driven plan.

International marketing.	Students will learn about international economic institutions and regional groupings, international marketing and Human Resource Management.
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Human Resource

Course	Course Outcome
HRM in global perspective	After the study of this course the students were clear about the scope of HR at global level. The process of Expatriation and repatriation and how to deal with cultural shock
Organizational Development	This course enables students to understand the importance of organisational development and its requirement in every organisation.
Human Resource Accounting & Auditing	At the end of the course students will be able to find out solutions related with organisation accounting, finding out global accounting and auditing.
Indian Ethos in Management	Learner understand the valuable philosophies of the different Indian religions and culture and adapt them to his or her work life, for the overall benefit of the organization, its customers and the society at large.

Bachelor of Financial Markets

PROGRAM SPECIFIC OUTCOME

- ✓ Learners will have solid foundation in accounting and reporting requirements of the Corporations Act and Accounting.
 - ✓ A comprehensive understanding of the advanced issues in accounting for assets, liabilities and owner's equity. gram the
 - ✓ The ability to prepare account for a range of advanced financial accounting issues.
 - ✓ The ability to prepare consolidated accounts for a corporate group.
 - ✓ An understanding of the principles of accounting for investments in associates. evaluate the
 - ✓ The ability to analyze complex issues, to formulate well reasoned and coherent arguments and to reach well considered conclusions.
- Focus deep in basics of trading & its regulations market forces etc.
- Gain knowledge about risk, wealth, economics as well as legal framework of financial market.
- Pursue masters degree in the field finance such as MFM, MBA(Finance) PGDFM etc.
- Achieve highly paid jobs as finance manager Research analysis, financial consultant, project Co-ordinator, wealth manager etc.

First Year BFM

Semester I:

Course	Course Outcome
Financial accounting – I	The study of this course gives knowledge of the accounting cycle, of sophisticated financial accounting topics such as business combinations, governmental accounting, partnership accounting and other advanced financial accounting topics. This course provides them knowledge of International Accounting Principles and the impact of global issues. Learners are able to evaluate financial results through examination of relevant data (i.e., income statement, balance sheet, cash flow statement and budgets).
Introduction to financial system	At the end of the course students will understand how financial market works and how financial system works.
Business Economics	It helps the students to understand the economic concepts and also could relate this to the real business world. They could analyze operations of markets under varying competitive conditions. They could analyze causes and consequences of unemployment, inflation and economic growth.
Foundation course	It helped to improve the academic skills. Foundation courses allow students to develop the skills you will need to succeed in the field of education. This ranges from general study skills (such as nature/ecology, globalisation, economy, liberalization stress and conflict, fundamental duties and right to knowledge in specific areas related to your chosen field.
Business mathematics	Study of this course helps students to understand the mathematical concepts and principles of multivariate calculus, vector and matrix algebra, differential equations and their applications in business and economics. The course involves conceptual understanding of problem based on formulation and solution, graphing, and computer application.
Business Environment	The topic of Business Environment is the most practical topic where the students have understood the aspects of Business Objective and basis of starting a business. They have understood the aspects of business and how Business scanning is done and practically applied to a Business model. They have learnt SWOT analysis, PESTEL analysis, Business scanning and factors such as Internal and external business Business factors which influence business. The students also understood the factors effecting Import and Export business in a global perspective, including topics like MNC Corporate Ethics and Corporate Culture, Consumer Protection Act, Carbon credit and Social audit, Micro Small and Medium Industry and its features.

Semester II

Course	Course outcome
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Financial Accounting- II	Students got the knowledge about valuation of shares, issue of Shares, Debentures, and Company Final Accounts. This will help them to find the job in accounting.
Principles of Management.	Study of this course enables students to understand basic management roles and skills and approaches to management. Process of planning. MBO and decision making Bases of departmentation and distribution of authority Control systems and controlling techniques.
Environmental science	Study of this course helps the learner to understand how interactions between organisms and their environments drive the dynamics of individuals, populations, communities, and ecosystems. Recognize the ecological basis for regional and global environmental issues. Understand the processes and patterns of evolution, and the role of evolution as the central unifying concept in environmental science. Understand the historical and social context of environmental science thought and research, and the contributions of environmental science to the resolution of ethical, social, and environmental issues in human affairs.
Computer Skills-I	It is used to apply knowledge of computing and mathematics appropriate to the discipline and able to analyze a problem, identify and define the computing requirements appropriate to its solutions.
Business Statistics	The study of this course explain basic statistical concepts such as statistical collection, species characteristics, statistical series, tabular and graphical representation of data, measures of central tendency, dispersion and asymmetry, correlation and regression analysis, time series analysis Apply knowledge to solve simple tasks using computer (MS Excel) . Independently calculate basic statistical parameters (mean, measures of dispersion, correlation coefficient, indexes) .
Foundation course	Learning outcomes are statements that describe the knowledge or skills students should acquire by the end of a particular assignment, class, course, or program, and help students understand why that knowledge and those skills will be useful to them.
Business Communication	Students are expected to be able to demonstrate a good understanding of effective business writing , effective business communication, research approaches and information collection , developing and delivering effective presentation , effective interpersonal communication

Second Year Bachelor of Financial Market

Semester:III

Course	Course Outcome
Debt market I	Students are able to understand the basic features of debt security. Debt securities include securities offered by corporate or governments. Our training ensures that you receive an in-depth understanding of debt capital markets. Learners understand how different types of bonds can be created through variations in bond structures The bond market is vital to the operation of both the public and private sectors. Through this course, you will learn the difference between stocks and bonds and their operations enabling you to assess clients' portfolios with ease.
Equity market-I	Students will understand the characteristics of different financial assets such as money market instruments, bonds, and stocks, and how to buy and sell these assets in financial market. They will understand the benefit of diversification of holding a portfolio of assets, and the importance played by the market portfolio. And also know how to apply different valuation models to evaluate fixed income securities, stocks, and how to use different derivative securities to manage their investment risks.
Computer skills-II	Technology can be used to improve teaching and learning. Technology refers the knowledge and utilization of tools, techniques and systems in order to serve a bigger purpose like solving problems or making life easier and better.
Management accounting	Study of this course enables students to understand the fundamentals of the financial planning process and develop investment planning strategies to assist clients in meeting financial goals. Learners are also able to understand risk management concepts.
Business law	The topic of Business Law is the most practical topic where the students have understood the aspects of Contract Act in commercial transactions and business. They will understand the legal aspects of business and how law is implemented in real world transactions like acceptance, Agreement, essentials of valid contract. The students will gain knowledge about the importance of Contract Act in making of a contract and its closure. The subject has made them aware about the entire procedure applied under Contract Act and its application
Portfolio management	This course give students basic understanding of portfolio management various Portfolio Management Strategies. This course enables the student to analyse the portfolio.

Course	Course Outcome
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Debt Market II	The study of this course helps the students to understand the slot the equity market occupies in the financial system. Learners are acquainted with the general terminology of the equity market. They can dissect the equity market definition into its elements. Students get the knowledge of the existence of equity derivative market.
Equity market-II	Students will understand the characteristics of different financial assets such as money market instruments, bonds, and stocks, and how to buy and sell these assets in financial markets. Students will understand the benefit of diversification of holding a portfolio of assets, and the importance played by the market portfolio. Students will know how to apply different valuation models to evaluate fixed income securities, stocks, and how to use different derivative securities to manage their investment risks.
Corporate finance	After the study of this course learners are able to understand the fundamentals of the financial planning process, calculate and interpret the time value of money and understand mobilisation of funds in the business.
Business law-II	This course gives better understanding of Companies act 2013 and Partnership act 1932 to students where they learn about rules and various concepts involved in Companies act and Partnership act.
Business Economics	Study of this course helps the students to understand the economic concepts and also could relate this to the real business world. They could analyze operations of markets under varying competitive conditions. They could analyze causes and consequences of unemployment, inflation and economic growth.
Merchant Banking	At the end of the course students will understand what's is merchant banking and it's usage. Objective of this course is to provide knowledge about how to fill gaps between those who wants money and those who have money .
Foreign Exchange Market	This course provides them knowledge about : <ul style="list-style-type: none"> ● Market Participants; ● Design a risk management program for a business organization. ● Some important operational aspects of Foreign Exchange Market and Foreign Exchange Contracts. ● Apply the insurance mechanism in risk management.

Third Year Bachelor of Financial Markets

SEMESTER V

Course	Course Outcome
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Financial Derivative	Learner receive good understanding of derivative securities, acquire knowledge of how forward contracts, futures contracts, swaps and options work, how they are used and how they are priced. They are able to describe and explain the fundamental features of a range of key financial derivative instruments and also able to decide which securities to use for hedging and/or speculative purposes
Business Ethics	The topic of Business Ethics is the most practical topic where the students are exposed to the aspect of ethics in business. They will understand how business is actually carried out in the world and how to implement ethics for the betterment of mankind. The students have understood the importance of ethics, types of ethics. Causes of Unethical behaviour. Factors influencing business ethics. Corporate Ethics – ethical behaviour & audit of ethical behaviour. Relationship among Business, Business Ethics and Business Development. The subject has made them aware about the effects of unethical behaviour and how they can avoid such practices in business.
Technical Analysis	Introduction to Technical Analysis helps learner to understand :- <ul style="list-style-type: none"> ● Market Participants; ● Design a risk management program for a business organization. ● Some important operational aspects of DOW Theory and Elliot Wave Theory. ● Apply the insurance mechanism in risk management. ● Trading Strategies and Risk Management.
Marketing Of Financial Services	Study of this course helps students to know about introduction to marketing of services, international economic institutions and regional groupings. International Marketing, Human Resource Management. Learners will receive knowledge about preliminaries for export- import and documentation. They will be aware about export- import procedures and Foreign Trade Policy.
Business Valuation:	This course gives better understanding to students about place of liquidity in investment decisions, time value for more than one cash flow, introduction to Net Present Value (NPV) and Internal Rate of Return (IRR). This course gives them knowledge about relevance of NPV & IRR.

SEMESTER – VI

Course	Course Outcome
Mutual fund management	The objective of this course is to make the students understand the basic concepts of mutual funds, the types and working of the mutual funds

	industry and to make the students aware of the pricing, selling and investment management techniques and business ethics in mutual funds..
Venture Capital and Private Equity	After the study of this course learners will be able to discuss the supply and demand theory and its impact on insurance, explain the effects of government policy on the economic environment and insurance industry. They will be able to outline how an entity operates in a business environment ,describe how financial information is utilized in business and explain the legal framework that regulates the insurance industry
Risk Management	This course will enable students to identify and categorise the various risks face by an organization, explain the various risk control measures available and design a risk management program for a business organization. Learners will be able to suggest ways to finance risk. Apply the insurance mechanism in risk management an describe the management of international risk.
Corporate restructuring	This course provides a comprehensive understanding of the principles and techniques of corporate restructuring analysis. Students are exposed to a number of economic and accounting concepts that practitioners in the field use and apply. Learners are able to interpret and evaluate theoretical arguments and empirical evidence.
Organisational Behaviour	After the study of this course students are clear about Psychological theories related to Human Behaviour and their application in day today organization. They were also clear about various concepts like Classical Conditioning Theory of Learning, Perception, Power and Politics, Types of Negotiations, Organisational Conflicts and how to deal with conflicting situations. They were also clear about various concept like various motivational theories, Change Management, Stress Management

Bachelor of Accounting and Finance
PROGRAM SPECIFIC OUTCOME (PSO)

After completing three years of this program, students would gain a thorough

grounding in the fundamentals of Accounting and Finance.

The curriculum offers a number of specializations and practical exposures which would equip the student to face the modern-day challenges in commerce and business. The all-inclusive outlook of the course offer a number of value based and job oriented courses which ensures that students are trained into up-to-date.

It motivates students to do research work in the field of finance.

It motivates students to pursue higher studies like Chartered Accountancy, Cost Accountancy, MBA in Finance, Company Secretary, M.Com in Accountancy, ACCA (Association of Chartered Certified Accountants) etc.

PROGRAMME OUTCOME

This program has been designed for the students to specialize in the field of accounting and finance.

It enables students to understand fundamentals of accounting, taxation, costing, financial management, auditing, management accounting etc.

It enhances student's communication skills, social skills, and computer skills as well.

It promotes students to become professionals / managers / entrepreneurs / accountants

Semester I

Course	Course Outcome
Financial Accounting	To develop conceptual understanding of fundamentals of financial accounting system and to impart skills in accounting for various kinds of business transactions.
Business Communication	This course enables the students how to write various types of letters related to Business and well as for Job Application. Also they should well versed with how to write letters of acceptance of job offers and Resignation Letters
Financial Management	This subject help to acquired concept of financial management Students obtained knowledge of collecting finance from different source and managing them in efficient way.
Cost accounting	This subject will help the students to get the knowledge of cost calculation at production place. To understand, single output costing, material cost, labour cost and overhead.
Foundation course-I	Learning outcomes are statements that describe the knowledge or skills students should acquire by the end of a particular assignment, class, course, or program, and help students understand why that knowledge and those skills will be useful to them.
Business Economics	Study of this course will help the students to understand the economic concepts and also could relate this to the real business world. They could analyze operations of markets under varying competitive conditions. They could analyze causes and consequences of unemployment, inflation and economic growth.

Commerce-I(Business environment)	It helps the students to understand the concept of business environment. They understood how it should be maintained for better results.
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Semester II

Course	Course Outcome
Auditing	Students can apply auditing knowledge to undertake auditing processes in a variety of professional setting. And also came to know vouching and verification of books of accounts in any firm and company.
Financial Accounting (Special Accounting Areas) - II	To develop conceptual understanding of fundamentals of financial accounting system and to impart skills in accounting for various kinds of business transactions.
Innovative Financial Services	This subject helped the students to develop the knowledge of financial services, participants of the finance market, its advantages and disadvantages.
Information Technology in Accountancy – II	Information technology (IT) has become a vital and integral part of every organisation. From multi-national corporations which maintain mainframe systems and databases to small businesses that own a single computer, IT plays a role.
Business Communication – II	Students are able to write various types of letters related to business and well as for Job Application and also business related letters like Sales Letters, Trade Letters, Consumer Grievance Letters, RTI letters.
Foundation Course-II	Learning outcomes are statements that describe the knowledge or skills students should acquire by the end of a particular assignment, class, course, or program, and help students understand why that knowledge and those skills will be useful to them.
Business Mathematics	This subject is important to understand the different business mathematics concept that are important to the real world. To make the students familiar with the concepts like discount , annuities, payroll, etc.

Semester III

Course	Course Outcome
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Direct Tax-I	After the study of this course students are able to impart knowledge of calculating of total taxable income of different assessee and also obtained knowledge of different sources of income.
Information Technology in Accountancy – I	Information technology (IT) has become a vital and integral part of every Organisation. From multi-national corporations who maintain mainframe systems and databases to small businesses that own a single computer, IT plays a role.
Business Law (Business Regulatory Framework) – II	The student gained practical knowledge about Companies act. This course has helped students to learn important insights of company law.
F.C. in Commerce (Financial Market Operations) – III	This subject helped the students to develop the knowledge of financial services, participants of the finance market, its advantages and disadvantages. Different parts of the financial market and its operation.
Business Economics – II	It helped the students to understand the economic concepts and also could relate this to the real business world. They could analyze operations of markets under varying competitive conditions. They could analyze causes and consequences of unemployment, inflation and economic growth
Cost Accounting (Methods of Costing) – II	At the end of this course students are able to understand cost sheets, Contract Costing, Process costing. They can apply this knowledge in real market.
Financial Accounting	Study of this course will assist the students to understand the different accounting concepts and its application.

Semester IV

Course	Course outcome
Direct tax –II	Students came to know which Income Tax Returns (ITR) forms has to be fill for different assesses which is useful in their practical life and can know the Concept of Tax Deducted at source. (TDS).

Information Technology in Accountancy – II	Information technology (IT) has become a vital and integral part of every organisation from multi-national corporations which maintain mainframe systems and databases to small businesses that own a single computer, IT plays a role.
Business Law (Company Law)-III	The students will gain practical knowledge about company law. The study of this course enables the students to understand important insights of Company Law.
Research Methodology in Accounting and Finance	Students come to know how to do research and what are the different steps to be followed to do research.
F.C. IN Management (Introduction to Management) – IV	This course enables the students to impart the knowledge about management of different factors in the organisations and how to manage different factors ethically.
Financial Accounting (Special Accounting Areas) – IV	Students came to know about Company final accounts and how it is prepared. They got the knowledge of foreign currency transaction (branch accounting), calculation of pre and post incorporation profit.
Management Accounting (Introduction to Management Accounting)	Students came to know about Financial statements, comparative statements, Ratio analysis and how financial statements can be used for managerial decision making.

Semester V

Course	Course outcome
Indirect Taxes	Students obtained knowledge about GST and its application in market.
Financial Accounting VI	Students Obtained knowledge of Preparing Financial Statement of Banking companies , Insurance Companies and Limited Liabilities Partnership firm as Per respective companies Provisions and helping them while preparing companies Balance sheet.
Financial Accounting –V	Students Obtained knowledge of buy back of shares, Reconstruction of companies, etc. It can be applied in real situations.
Financial management-II	<ul style="list-style-type: none"> ● Knowledge of financial tools and techniques. ● Knowledge of the role of the financial analyst in financial organisation .

	<ul style="list-style-type: none"> Ability to understand the various working capital finance available in the market to improve the position of organisation financial ability.
Management-II(Management application)	At the end of this course learners are able to impart the knowledge about management of different factors of production. Human resource management, Finance management. etc
Cost Accounting	Students will gain knowledge of intercompany comparison, comparison between two periods, Integral and non integral cost accounting, Operating costing.

Semester VI

Course	Course Outcome
Financial Accounting VII:	After successful completion of the course learners will gain knowledge of Preparing Financial Statement of Electricity Companies, and Co-operatives housing societies as Per respective companies Provisions and helping them while preparing companies Balance sheet.
Cost Accounting –IV	Study of this course will help the students to understand the marginal costing, standard costing, how to use cost accounting in managerial decision making.
Business Economics	Study of this course will enable the students to understand the economic concepts and also could relate this to the real business world. They could analyze operations of markets under varying competitive conditions. They could analyze causes and consequences of unemployment, inflation and economic growth
Financial management-III	After the successful completion of this course student will be able to understand the conceptual framework of valuation, develop investment planning strategies to assist clients in meeting financial goals and to understand risk management concepts.
Indirect Tax:	Study of this course will assist the student to understand the payment of GST and its filing of return. It impart them knowledge of custom Duty its practical application.
Project Work	Under the project work students will prepare a project on different topics by collecting primary and secondary data. They will understand how to analyse and interpret data.

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Bachelor of Banking and Insurance

PROGRAMME SPECIFIC OUTCOME:

After successful completion of the course students are able to:

Generate self employment and also to benefit Banks, Insurance companies and industries by providing them with suitable trained persons in the field of Banking & Insurance.

Explore opportunities being newly created in the field of Banking and Insurance due to Globalization, Privatization and Liberalization.

Co-relate their basic knowledge of banking and insurance to the real life organizational situations.

PROGRAMME OUTCOME:

After the completion of this course students will be able to:

Understand the basic concept of Environment and management of financial services, Principles of management, Banking and Insurance, Business law, Economics , Organisational behaviour, Management accounting, Mutual fund management , Entrepreneurship management and Financial markets which will help them to gain job opportunity in the field of Banking and Insurance.

Get a better understanding of the banking sector its structure, operations, functions, instruments, regulations and other roles.

Understand the changing national and global banking and insurance operations, technology and paradigm shift in the sectors.

SEMESTER I

Course	Course outcome
Environment and Management of financial services.	Study of this course provides an understanding of different kinds of financial services. (e.g Leasing, Hire purchase,

	factoring, forfaiting, Bill financing/Bill discounting, housing finance, letter of credit, insurance, venture capital, merchant banking, stock broking and credit rating.).
Principles of Management	After the study of this course students are aware about the Leaders in the Indian Industry (J.R.D Tata, Ratan Tata, Aditya Birla, Kumar Mangalam Birla, Mr Dhirubhai Ambani and Sons, Kiran Mazumdar Shaw, Verghese Kurien). Leaders in the Banking and Insurance Industry (H.Shanbagh. Uday Kotak, K.V. Kamath Naina Kidwai, Deepak Parekh, Chanda Kochhar, Hinduja, Godrej, Aziz Premzi, Narayan Murthy, Anand Mahindra , Governor of RBI).
Financial Accounting	Study of this course helps students to understand the meaning, scope, objectives, 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.
Business Communication – I	At the end of this course students are able to understand the concept of communication: meaning, definition, process, need, feedback and emergence of communication as a key concept in the Corporate and Global world Impact of technological advancements on Communication Channels and objectives of communication.
Foundation Course – I	Study of this course aids learners to 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 and the concept of diversity as difference.
Business Economics I	Study of this course enables students to understand scope and importance of Business Economics, basic tools- Opportunity Cost principle- Incremental and Marginal Concepts. Basic economic relations - functional relations: equations- Total, Average and Marginal relations. Learners are able to use marginal analysis in decision making, the basics of market demand, market supply and equilibrium price- shifts in the demand and supply curves and equilibrium.
Quantitative Methods –I	This course gives a basic understanding of organizing data, frequency distribution, measure of central tendency, preparation

	of frequency distribution graphical and diagrammatic representation histogram, frequency polygon and gives. Learners learn about definition of averages and objective of averages types of average. Arithmetic mean, Geometric, harmonic mean and its usages, mode and medium (using graph also) for both) for grouped as well as ungrouped data.
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SEMESTER II

Course	Course outcome
Principles and Practices of Banking & Insurance	This course helps students to study about the basic concepts of origin, need, types, scope and functions of banking - Need for Regulation and Supervision .Banking Scenario in India Banking Operations -Types of accounts - Banking Services - Current Scenario, Financial Inclusion and Banking Regulations & Role of RBI.
Business Law	This course enables students to analyze the meaning, essentials, agreement, Offer, Acceptance, Consent, Free Consent, Consideration, Capacity of contract, Kinds and Classification of Contract, Performance, Discharge and Termination of Contract, Void - Quasi- Contingent - Wager - Minor Contracts, Breach and Remedies For the Contract.
Financial Accounting – II	Study of this course enables students to understand company accounts with special reference to redemption of debentures by payment from various sources i.e. <ul style="list-style-type: none"> ● Out of capital/ or out of profits. ● Creation of debenture redemption reserve ● preparing debenture redemption sinking fund excluding insurance policy. ● Redemption of debentures by conversion into new class of shares or debentures with options- including at par, premium and discount.
Business Communication – II	After the successful completion of this course students are able to : <ul style="list-style-type: none"> ● Prepare for an Interview, ● Participate in Group Discussion ● Draft a notice for meetings and conferences. Students will gain knowledge about functions of PR Department, External and Internal Measures of PR.
Foundation Course – II	Study of this course enable students to understand the concepts of liberalization, privatization and globalization; They learn about growth of information technology and communication and its impact manifested in everyday life and 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.
Organisational behaviour	Study of this course gives knowledge about nature and scope of OB, Models of OB, Theories of Motivation : Maslow, Herzberg, Mc.Gregor Theory X and Theory Y, William Ouchi's Theory Z, Victor Vroom, ERG theory Application of the Theories on Motivational techniques in Banking and Insurance Industry.
Quantitative Methods –II	Study of this helps in understanding the testing of hypotheses: Null Hypothesis, Alternative Hypothesis, Decision Criterion, Critical Region, Type I and Type II Error, level of significance, Test based on large Sample for Means and Proportion/s, Linear Programming Techniques, Matrices & Determinants (Application in Business and Economics), Statistical Applications In Investment Management.

SEMESTER III

Course	Course outcome
Financial Management –I	Aim of this course is to study about importance of finance and types of finance. At the end of this course learners gain knowledge about public and private sources of finance, long term and short term sources of investment.

Organizational Behaviour	The main objective of this course is to help the students to acquire and develop skill to take rational decisions in the process of organisational behaviour. People have always been regarded as important in managing organizations. Human aspects are critical in each functional aspects of management and equally so for the effective utilization of resources. This course is designed primarily for students who are being exposed to Organizational Behaviours for the first time. This course covers the explanations about the human behaviour in the organizational context.
Mutual Fund Management	Study of this course helps students to understand the state of mutual fund industry in India. They learn to acquire tool to analyze the performance of mutual funds and gain insight into the decision making of fund investor , fund managers and management companies.
Information Technology in Banking & Insurance – I	At the end of this course students are aware of E-commerce framework and media convergence, anatomy of e-commerce applications, and market forces influencing the I-way, Components of I-way, Network Access Equipment
Foundation Course – III (An Overview of Banking Sector)	Study of this course enables students to focus about the origin of Banks, types of Banks, principles of 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.
Financial Markets	Aim of this course is to give an insight to students about functions of Indian financial system from financial neutrality to financial activism and from financial volatility to financial stability, students will learn about role of government in financial development, They also get an overview of Financial sector reforms 1991.
Direct Taxation	Study of this course enables students to understand basic concepts related to computation of tax. Students are able to determine residential status of Individual, scope of total income

SEMESTER IV

Course	Course outcome
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Financial Management –II

The objective of this course is to equip the students with ability to understand management of cash and marketable securities, what are motives for holding cash; objectives of cash management; factors determining cash needs; basic strategies of cash management; cash management techniques/processes;

	and what are cash management practices in India for the purpose of financial management.
Entrepreneurship Management	This course gives better understanding of theories of entrepreneurship which helps them to create business plan and guides them about required traits of an entrepreneur. Study of this course motivates them to start their own business.
Customer Relationship Management	The course aims to: <ul style="list-style-type: none"> • Develop understanding about customer relationship management concepts and frameworks, and how these are applied to form relationships with customers and other internal and external stakeholders. • Develop skills to analyse and synthesise information and issues, related to customer relationship management, from several perspectives. • Enhance business communication skills required to work effectively within a marketing team.
Foundation Course – IV (An Overview of Insurance Sector)	This course gives better understanding of Health Insurance , IRDA Regulations, determinants of Health Insurance, Health Insurance Market in India and determinants of Risk Premium. Students learn about SBI and ICICI Health Insurance Plans which includes introduction and forms and procedures of hospitalization, indemnity products, top up covers, cashless insurance, senior citizen plans, critical illness plans and micro insurance.
Information Technology in Banking & Insurance II	Understanding the Various models- home banking, office banking, online banking, internet banking, mobile banking, SMS banking,- models of electronic payments, other business models of E-banking Business Models.
Business Economics II	Study of this course familiarizes students with scope and importance of macroeconomics. Learners learn about circular flow of aggregate income and expenditure: closed and open and economy models. They learn about the measurement of national product and conventional and Green GNP and NNP concepts – Students are familiar with relationship between National Income and Economic Welfare. Under this course students learn about short run economic fluctuations: features and phases of trade cycles.

Corporate and Securities Law	Study of this course helps students to understand the overview of Company Law and Lifting the Corporate Veil, Doctrine of Ultra Vires, Constructive Notice, Indoor Management, Alter Ego. The Principle of Non Interference (Rule in Foss V/s Harbottle) – Meaning , Advantages , Disadvantages & Exceptions, Majority and Minority Rights under Companies Act
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SEMESTER V

Course	Course outcome
Financial Reporting and Analysis	Study of this course gives better understanding of legal provisions in Banking Regulation Act, 1949 relating to Accounts. Students learn about statutory reserves including cash reserve and statutory liquidity ratio, bills purchase and discounted, rebate on bill discounted, final accounts in prescribed form. Students are acquainted with the knowledge of non – performing assets and income from non – performing assets.
Auditing-I	Study of this course helps students to know the financial statements, who are the users of information. This course guides them about how frauds and errors are detected and what is difference between accounting and auditing.
Strategic Management	This course gives them better understanding of importance of politics in strategic management. Study of this course enables them to understand social, political, and technological forces in strategic management. They are acquainted with the knowledge national and global business environment, components of environment, environmental scanning, analysis of strategies and choice of strategy , impact of legal factors in strategic management and how to do SWOT analysis.

Financial Services Management	<p>This course provides the better understanding of following concepts to students :</p> <ul style="list-style-type: none">● Fund based activities, non fund based activities and modern activities.● Sources of revenue, need for financial innovation, new financial products & services and innovative financial instruments.● Challenges faced by the financial sector and structure of mutual fund in India,
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Business Ethics and Corporate Governance	Study of this course helps students in understanding the ethical decision making, Gandhian approach in management and trusteeship, importance and relevance of trusteeship principle in modern business. Ethical issues in functional areas of business.
International Banking and Finance	Students are able to understand the scope of International Finance and various terms related to the course. This course gives them conceptual knowledge of currency convertibility , International Monetary System, Gold Standard, Features, Bretton Wood System, background and features, reasons for its Failure, Smithsonian Agreement, SDRs, European Monetary System.

SEMESTER VI

Course	Course outcome
Security Analysis and Portfolio Management	Study of this course helps the students to analyze different types of investment and differentiate between investment, speculation and gambling. Students learn about role of Portfolio managers and advantages of Portfolio Management. Learners learn about type of investors.
Human Resource Management	Study of this course helps students to understand nature of HRM, scope, functions and objectives of HRM. Learners are aware with the role and functions of HR (in Banking and Insurance Sector) They will learn about strategies in human resource management.
Turnaround Management	Study of this course helps the students to understand basics of turnaround management, and process in turnaround management.
International Business	Study of this course helps to understand the importance, Nature and Scope of International Business, Drivers of International Business, Evolution of International Business, Strategies of Going International, Globalisation, Multi National Corporations- Nature, Goals of MNCs, India's Presence- Advantages and Disadvantages of MNCs International Business Environment: Economic, Political, Cultural and Legal Environments in International Business.
Marketing in Banking and Insurance	To focus on Consumer Behaviour, Consumer Expectations, Consumer Buying Behavior, Role of Consumer in Service Delivery, Consumer Responses, Consumer Delight – Concept and Importance. Consumer Behaviour and Marketing Communications: Introduction, Marketing Communication

	Flow, Communication Process, Interpersonal Communication, Persuasive Communication, Source, Message, Message Appeals, Communication Feedback.
Central Banking	Understanding the Concept of Central Banking, Institutional Growth of Central Banking, The Changing Face of Central Banking. Role of Central Banks: Determination of Goals, Inflation Targeting, Exchange Rate Targeting, Money Supply Targeting, Money Growth Targeting, Viable Alternatives to Central Bank, Central Banking in India. Contemporary Issues, Autonomy and Independence, Credibility, Accountability and Transparency of a Central Bank.

Bachelor of Science in Information Technology

PROGRAMME SPECIFIC OUTCOME

After successfully completing graduation students will be able to:

Perform Technology tasks

Storing and communication of information between computers, mobile phones, and other electronics devices.

They get well-groomed into working in the animation industry.

Work as an individual and as part of a multidisciplinary team to develop and deliver quality software.

Information Technology as field emphasizes the secure management of large amount of variable information and its accessibility via wide variety of systems both local and worldwide

PROGRAMME OUTCOME

After completion of this course, students should be able to:

Compute a given integral using the most efficient method;

Use integrals to formulate and solve application problems in science and engineering;

Construct and plot parametric and polar curves;

Develop skills required at Job interview, workplace and social networking.

Get idea to draft reports, emails, minutes of meeting, letters.

Use the characteristics of an object-oriented programming language in a program.

Apply their foundations in software engineering to adapt to readily changing environments using the appropriate theory, principles and processes

An ability to work in one or more significant application domains.

Demonstrate an understanding of and apply current theories, models, and techniques that provide a basis for the software lifecycle.

Demonstrate an ability to use the techniques and tools necessary for engineering practice.

First Year B.Sc IT

Semester I

Course	Course Outcome
Digital Electronics	At the end of the course the student will be able to analyze, design, and evaluate digital circuits, of medium complexity, that are based on SSIs, MSIs, and programmable logic devices. They get idea of how arithmetic logic unit works in computer. Students learn to apply logic to design and creation, using gates, to solutions to a problem and create circuits to solve problems using gates to replicate all logic functions. Students also learn to design and evaluate a solution to a digital design problem.
Operating Systems	Study of this course gives a clear understanding of internal architecture of a computer.
Discrete Maths	At the end of the course, students will be expected to demonstrate their understanding of Discrete Mathematics by being able to do each of the following: 1. Use mathematically correct terminology and notation. 2. Construct correct direct and indirect proofs. 3. Use division into cases in a proof. 4. Use counterexamples They are also capable to apply logical reasoning to solve a variety of problems.
Imperative Programming	Students who come fresh after XII standard start getting knowledge about the different type of computer languages ,how to develop logic and how to implement it using very basic language –C programming . It contains fundamental computer theory to basic programming techniques.
Communication skills	At the end of the course the student will be able to : Develop skills required at Job interview, workplace and social networking. Get idea to draft reports, emails, minutes of meeting, letters. Find, use and evaluate primary academic writing associated with the communication discipline Demonstrate critical and innovative thinking Display competence in oral, written, and visual communication. Apply communication theories. Show an understanding of opportunities in the field of communication Use current technology related to the communication field. Respond effectively to cultural communication differences. Communicate ethically. Demonstrate positive group communication exchanges

Semester II

Course	Course Outcome
Microprocessor Architecture	<p>The study of this course enables students to understand the general scientific concepts required for technology and to educate scientifically the new developments in engineering and technology and the core architecture of computer. they will also understand how low level devices communicates with operating system</p> <p>This course aims to develop :</p> <ul style="list-style-type: none"> ● Ability to understand the data transfer schemes, interfacing peripherals and ● Usnderstand the functioning of microprocessor ● Machine level language programs and get the basic understanding of computer functions.
Numerical and Statistical Methods	<p>The objective of this course is to provide conceptual understanding of various numerical methods, in particular, with reference to numerical solution of nonlinear equations and system of linear equations, interpolation, numerical differentiation and integration and numerical solution of ordinary differential equations. Important theorems and different formulae for various numerical methods to be covered with an aim of helping the students to understand the fundamentals, concepts and practical use of these methods in the field of computer sciences and applications.</p>
Green Computing	<p>The objectives of this course is to reduce the use of hazardous materials, maximizing energy efficiency and ensuring recyclability of a redundant product. After the study of this course students get idea of how to use computer resources effectively and efficiently.</p> <p>Upon completion of the course, students should be able to:</p> <ul style="list-style-type: none"> ● 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.
Web Programming	<p>This is one of the courses, which is in great demand in IT industry. In the field of website development, a company or a person develops web sites to be placed on the World Wide Web. This course has syllabus which includes, how to use fundamental skills to maintain web server services required for</p>

	hosting a website, markup languages for processing, identifying, and presenting information in web pages.
Object Oriented Programming	At the end of this course students will be able to name and apply some common object-oriented design patterns and give examples of their use. Learners will be able to : Use the characteristics of an object-oriented programming language in a program. Use the basic object-oriented design principles in computer problem solving. Program with advanced features of the C++ programming language.

Second Year B.Sc IT

Semester III

Course	Course Outcome
Computer Networks	By completing the course a student should be able to: <ul style="list-style-type: none"> ● Study the basic taxonomy and terminology of the computer networking and enumerate the layers of OSI model and TCP/IP model. ● Acquire knowledge of Application layer and Presentation layer paradigms and protocols. ● Study Session layer design issues, Transport layer services, and protocols. ● Gain core knowledge of Network layer routing protocols and IP addressing. ● Study data link layer concepts, design issues, and protocols. ● Describe the functions of each layer in OSI and TCP/IP model. ● Describe the Session layer design issues and Transport layer services. ● Classify the routing protocols and analyze how to assign the IP addresses for the given network. ● Describe the functions of data link layer and explain the protocols. ● Explain the types of transmission media with real time applications
Database Management System	At the end of study of this course learners are able to understand the general scientific concepts of Database Management System in Oracle, Database architecture and SQL concepts. This course educate students on SQL Query, PLSQL programming and Dynamic SQL. Study of this course helps students to : Understand Database architecture and SQL concepts and database concepts and database management system software.

Data Structure	<p>Study of this course provides following abilities to students:</p> <ul style="list-style-type: none"> ● Application of mathematical foundations, algorithmic principles, and computer science theory to the modelling and design of theory to the modelling and design of computer-based systems. ● Define the computing requirements of a problem and to design appropriate solutions based on established design principles and with an understanding of the tradeoffs involved in design choices. ● Utilisation of sound development principles to implement computer-based and software systems of varying complexity, and to evaluate such systems. ● Utilisation of current techniques, skills, and tools necessary for computing practice. <p>Learners are able to understand and remember algorithms and its analysis procedure.</p>
Python Programming	<p>Upon successful completion of course, students will be able to develop software using python.</p> <p>Python is often used as a support language for software developers, for build control and management, testing, and in many other ways. Hence knowing the language will benefit student</p>

Semester IV

Course	Course Outcome
Computer Graphics and Animation	<p>Study of this course aims to make students aware of current and graphics-based concepts like 2D, 3D transformations, perspective, Parallel projects, BSpline curves, Light, Colour theories etc. And animation skills of which there is a huge demand.</p> <p>Study of this course enables students to get the full experience of Computer Graphics and Animation knowledge.</p>
Computer oriented statistical Techniques	<p>Study of this course expose students to the fundamentals and concepts of statistical and optimization methods, in particular, with reference to frequency distribution and measures of central tendency, measures of dispersion, skewness and kurtosis, theory of probability, linear programming problems, transportation, assignment and game problems. This course aims to help the students to understand important theorems, different formulae and practical applications of these statistical and optimization methods in the field of Computer Sciences and Applications.</p>
Software Engineering	<p>This course introduces the concepts and methods required for the construction of large software intensive systems, It aims to develop a broad understanding of the discipline of software engineering. It seeks to complement this with a detailed knowledge of techniques for the analysis and design of complex software intensive systems. It aims to</p>

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	these techniques in an appropriate engineering and management context. Students should understand UML models and design
Core Java	<p>The course covers a wide range of software development concepts, abilities, and skills, from analyzing a problem to implementing a solution.</p> <p>On completion of the course, students should be able to:</p> <ul style="list-style-type: none"> • Analyze a software development problem and express its essence succinctly and precisely; • Design a module structure to solve a problem, and evaluate alternatives; • Implement a module so that it executes efficiently and correctly; • Appreciate engineering issues in the development of software, such as the importance of addressing the user's concerns, working with limited resources, maintainability, dependability, and division of labor. • Identify key entities and relationships in the problem domain; write succinct textual descriptions of problems in the style of a user manual.
Introduction to Embedded Systems	<p>Study of this course helps students to acquire knowledge about microcontrollers embedded processors and their applications.</p> <p>Learners are able to :</p> <ul style="list-style-type: none"> • Understand the internal architecture and interfacing of different peripheral devices with Microcontrollers. • Understand the role of embedded systems in industry and design concept of embedded systems.

Third Year B.Sc IT Semester V

Course	Course Outcome
Internet of Things	<p>Study of this course aids the students to assess the vision and provides them introduction of IoT , perspective to understand IoT Market</p> <p>Learners are able to :</p> <ul style="list-style-type: none"> • Implement Data and Knowledge Management and use of Devices in IoT Technology. • Understand State of the Art - IoT Architecture.

	<ul style="list-style-type: none"> ● Classify Real World IoT Design Constraints, Industrial Automation in IoT ● Interpret the vision of IoT from a global context. ● Compare and Contrast the use of Devices, Gateways and Data Management in IoT. ● Implement state of the art architecture in IoT. ● Illustrate the application of IoT in Industrial Automation and identify Real World Design Constraint.
Linux Administration	<p>This course ensures that students get lots of conceptual and hands on experience of Linux Administration. It is an open source operating system widely used in the IT industry. This ensures that students become employable and productive right from joining. Learners learn about Linux commands to handle important operations, Backup Restore ,Data Storage ,Configuration of drives/disks and Security .</p>
Software Project Management	<p>At the end of this course students are able to understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices. They learn about methods of capturing, specifying, visualizing and analyzing software requirements. Students understand concepts and principles of software design and user-centric approach and principles of effective user interfaces</p> <p>Upon successful completion of the course students are able to :</p> <ul style="list-style-type: none"> Define various software application domains and remember different process model used in software development. Explain needs for software specifications also they can classify different types of software requirements and their gathering techniques. Convert the requirements model into the design model and demonstrate use of software and user interface design principles. Distinguish among SCM and SQA and can classify different testing strategies and tactics and compare them. Justify role of SDLC in Software Project Development and they can evaluate importance of Software Engineering in PLC. Generate project schedule and can construct, design and develop network diagram for different
Advanced Web Programming	<p>Students are able to handle their projects taken up at the semester VIth by using Asp language for front end coding. There is a steady demand for Asp.Net language in the IT industry. This subject helps the students to get a foothold in the IT industry towards coding with a low learning curve.</p>
Enterprise Java	<ul style="list-style-type: none"> ● Study of this course helps students to understand Enterprise java concepts. ● They learn how to use IDE for Java EE application development

	<p>and</p> <p>how to use Eclipse Indigo 3.7.1 for Java EE Developers.</p> <ul style="list-style-type: none"> ● Study of this course gives them exposure to lots and lots of working examples/applications. ● They learn how to build and deploy Java Enterprise Applications through hands-on work.
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Semester VI

Course	Course Outcome
Principles of GIS	<p>Study of this course provides ability to get a clear understanding of Geographical Information Systems to students.</p> <p>Learners are able to understand the concepts that are used extensively in Google Maps, Navigation, Wayze etc.</p> <p>Students who come fresh after XII standard start getting knowledge about the way the computer operates, the hardware and software components, their importance, how various peripherals operate etc.</p> <p>Learners are acquainted with knowledge of History of computers (1st, 2nd, 3rd, 4th generation of computers).</p> <p>At the end of this course they are also aware of</p> <ul style="list-style-type: none"> ● Process Management, ● Resource Management, ● Scheduling Memory Management, ● Deadlocks Windows, ● Linux, and ● Android OS
Security In Computing	<ul style="list-style-type: none"> ● At the end of this course learners are able to understand concepts of classical encryption techniques, finite fields and number theory. ● They are able to explore the working principles and utilities of various cryptographic algorithms including secret key cryptography, hashes and message digests, and public key algorithms ● Learners are able to explore the design issues, working principles of various authentication protocols, PKI standards, various secure communication standards including Kerberos, IPsec, and SSL/TLS and email. ● Learners are able to understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication

Business Intelligence	Business Intelligence subject will be of immense use to students who will opt for work as Data Analyst. This curriculum prepares students with substantial information on knowledge Discovery Process and Decision making. They learn how to use different tools for creating reports, dashboards as well as in data visualization that produce analytical results in the practical session.
Software Quality Assurance	<p>At the end of this course students are able to understand quality management processes and they are able to distinguish between the various activities of quality assurance, quality planning and quality control.</p> <p>Learners are able to critically evaluate alternative standards, models and techniques aimed at achieving quality assurance in a variety of software development environments; they learn how to propose and defend innovative solutions to software quality assurance and measurement problems in the context of various software development environments.</p> <p>They can also critically evaluate leading edge approaches in software development and attendant quality assurance methodologies, presenting the research using Harvard referencing.</p>
Cyber Law	Study of this course deals with some of the major legal aspects of computing which are related to the various aspect of law. Students will gain knowledge about some leading topics which includes cybercrime, electronic and digital signatures, intellectual property, data protection and privacy and crimes in information communication and technology.

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PRINCIPAL

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