

Koshys Institute of Management Studies

Program Outcomes

- PO1:Critical Thinking and Decision Making
- PO2:Effective Communication
- PO3:Creativity and Innovation
- PO4:Socially Responsible
- PO5:Business ethics
- PO6:Environment and Sustainability
- PO7:Self directed and lifelong learning

Program: MBA

Program Specific Outcomes

At the end of two year MBA program, graduate will be able to

- PSO1: Formulate and integrate business project through the application of multi-functional knowledge comprising of Marketing, Finance and HR.
- PSO2: Create business processes embedded with values and social commitment.
- PSO3: Demonstrate leadership and change management skills in global perspective in a given organizational context.

Program: B.Com

Program Specific Outcomes

At the end of three year B.Com program, student will be able to:

- **PSO 1.** Interpret financial data and use it to make informed decisions about the operating performance and financial position of a company.
- **PSO 2.** Understand mobilization and allocation of resources with cost and financial management techniques to make effective decisions relating to business ethics and social responsibility.
- **PSO 3.** Understand the legal framework of International Financial reporting standards, Goods and Services tax , income tax and filing of the returns.

Program: BBA

Program Specific Outcomes

At the end of the 3 year BBA program the students will be able to;

- **PSO 1:** Prepare, interpret, analyse the financial statements and filing of returns.
- **PSO 2:** Identify sources and application of finance in business organizations.
- **PSO 3:** Demonstrate the understanding and the ability to apply management principles, theories, practices, research and ICT to address business problems within specific domains.

Program: BCA

Program Specific Outcomes

At the end of the 3 year BCA program the students will be able to;

- **PO1:** Understand the concepts of key areas in computer science.
- **PO2:** Analyze and apply latest technologies to solve problems in the areas of computer applications.
- **PO3:** Apply technical and professional skills in latest technology.

- **PO4: Develop practical skills to provide solutions to industry, society and business**

Program: MBA
Course Outcomes

MBA CORE COURSES

SEMESTER	COURSE CODE	COURSE NAME	CREDITS
I	1.1	ECONOMICS FOR MANAGERS	4
	1.2	ORGANIZATIONAL BEHAVIOUR	4
	1.3	ACCOUNTING FOR MANAGERS	4
	1.4	STATISTICS FOR MANAGEMENT	4
	1.5	MARKETING FOR CUSTOMER VALUE	4
	1.6	BUSINESS AND INDUSTRY	4
	1.7	COMMUNICATION SKILLS	2
II	2.1	TECHNOLOGY FOR MANAGEMENT	4
	2.2	MANAGERIAL RESEARCH METHODS	4
	2.3	ENTREPRENEURSHIP AND ETHICS	4
	2.4	HUMAN CAPITAL MANAGEMENT	4
	2.5	FINANCIAL MANAGEMENT	4
	2.6	QUANTITATIVE TECHNIQUES AND OPERATIONS RESEARCH	4
	2.7	INNOVATION MANAGEMENT	2
III	3.1	STRATEGIC MANAGEMENT & CORPORATE GOVERNANCE	4
	3.2	PROJECTS AND OPERATIONS MANAGEMENT	4
IV	4.1	INTERNATIONAL BUSINESS	4

I SEMESTER

1.1 ECONOMICS FOR MANAGERS

At the end of the course the students will be able to:

1. **Analyze** implications of economics on managerial decision making.
2. **Evaluate** demand behaviour and estimate demand
3. **Explain** concepts of economies of scale ,Isoquants and Isocosts.
4. **Understand** different types of competition in the market and analyze the product situations as per the market competitive dynamics
5. **Understand** concept of circular flow of economic activities
6. **Demonstrate** a critical understanding national income concepts, money supply and inflation

1.2 ORGANIZATIONAL BEHAVIOUR

At the end of the course the students will be able to:

1. **Analyze** individual and group behaviour, and understand the implications of organizational behaviour on the process of management.
2. **Evaluate** the various leadership styles and conflict management strategies used in organizations.
3. **Explain** an organizational change and culture within organizations.
4. **Understand** individual behaviour in organizations, including attitudes, emotions, personality, values, perception, decision making, and motivational theories.
5. **Understand** group behaviour in organizations, including communication, leadership, conflict, and negotiations.
6. **Demonstrate** a critical understanding of organisational behaviour theories.
7. **Apply** organisational behaviour concepts, models and theories to real life management situations through case analysis.

1.3 ACCOUNTING FOR MANAGERS

At the end of the course, the students will be able to:

1. **Understand** the need and requirement of accounting system.
2. **Prepare** Final Accounts based on Accounting Standards.
3. **Analyse, interpret** and suggest the management in various managerial functions.
4. **Know** to use the techniques of ratio analysis based on risk factors in times of decision making.
5. **Calculate** and **analyse** the cash flow operations with available inputs.
6. **Analyse** and interpret the effect of Fund flow operations.
7. **Assist** the internal audit with the required data to support the management system and have a control over the various financial activities.

1.4 STATISTICS FOR MANAGEMENT

At the end of the course, the students will be able to:

1. **Identify and interpret** business-related problems and converting those identified requirements to a quantitative styled model.
2. **Calculate and apply** measure of central tendency and dispersion of grouped and ungrouped data.
3. **Design, evaluate and apply** correlation and regression analysis
4. **Determine** discrete and continuous probability distribution to various business problems.
5. **Evaluate** sampling methodologies and their associated analysis.
6. **Critically evaluate** parametric and non-parametric test
7. **Analyse and contrast** techniques and biases of quantitative methods within the context they are to be applied

1.5 MARKETING FOR CUSTOMER VALUE

At the end of the course, Student will be able to

1. **Understand** importance of customer relationships and holistic marketing to create marketing value for the organization (7 hours)
2. **Define** market segments. (8 hours)
3. **Create** product and pricing designs for the defined market segments. (12 hours)
4. **Analyse** distribution and integrated marketing communication strategies for the given organization. (12 hours)
5. **Design** marketing strategies for the given organization. (6 hours)

1.6 BUSINESS AND INDUSTRY

At the end of the course, the students will be able to:

1. **Understand** the fundamentals of Indian Economy (6 hrs)
2. **Understand** the Essentials of Business & Industry (10 hrs)
3. **Explain** Start-Ups, MSME & Large scale Sector(15 hrs)
4. **Explain** Business crises and managing crises (08 hrs)
5. **Understand** the role of non- governmental organizations (NGOs) (08 hrs)

1.7 COMMUNICATION SKILLS

At the end of the course, Student will be able to

1. **Understand** importance of effective communication in the corporate environment (7 hours)
2. **Define** verbal and non verbal communication (8 hours)
3. **Create** effective communication strategies for corporate well being. (12 hours)
4. **Analyse** situation which leads for inefficiency in productivity due to ineffective communication

II Semester

2.1 TECHNOLOGY FOR MANAGEMENT

Upon completing the course, students will be able to:

1. **Apply** a framework and process for aligning and organization's IT objectives with business strategy.
2. **Defend** the strategic value of information resources for an organization.
3. **Participate** in an organization's information systems and technology decision making processes.
4. **Identify** ways information systems & technology may improve an organization's performance, including improving organizational processes, decision-making, collaboration, and personal productivity.
5. **Define** what a manager should be able to expect from an IT department in an organization.
6. **Apply** a framework for evaluating information-related ethical dilemmas commonly faced by managers.

2.2 MANAGERIAL RESEARCH METHODS

Upon completing the course, students will be able to:

1. **Understand** the difference between qualitative and quantitative research methods
2. **Analyze** research situations from the management perspective
3. **Formulate** research designs and implement planned research design to solve management issues.
4. **Write** project proposals and final reports

2.3 ENTREPRENEURSHIP AND ETHICS

At the end of the course the students will be able to :

1. **Create** business planning process .
2. **Understand** the international entrepreneurship opportunities and challenges .
3. **Identify** the risk involved and in a venture capital opportunities.
4. **Design** the CSR activity for various corporate for environmental awareness.

5. **Determine** the boundaries of social entrepreneurship.
6. **Demonstrate** an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems.
7. **Understand** legal forms and ethics as an entrepreneur and **develop** a business plan.

2.4 HUMAN CAPITAL MANAGEMENT

At the end of the course, student will be able to

1. **Explain** the functions and importance of HCM (6 hrs)
2. **Analyse** the nature of job analysis (08 hrs)
3. **Understand** training and development (10 hrs)
4. **Explain** the importance of performance management system in enhancing employee performance (08 hrs)
5. **Understand** the components of employee and executive compensation(08 hrs)
6. **Analyse** employee relations and legal issues(06 hrs)

2.5 FINANCIAL MANAGEMENT

After the completion of this course, the student will be able to

1. **Understand** the concept of financial management, goals of a firm and agency problem of the company
2. **Determine** the process of banking and insurance sectors calculation in reference to time value of money.
3. **Project** the company's financial position using comparative analysis through EPS and income statement
4. Take a **decision** on investment based on cost of capital and risk maintenance.
5. **Prepare** the budget for individual life and for the company with effective manner
6. **Analyze** the short term investment and long term investment using working capital management.

2.6 QUANTITATIVE TECHNIQUES AND OPERATIONAL RESEARCH

On completion of this course student should be able to:

1. **Identify** and develop operational research models from the verbal description of the real system.
2. **Understand** the mathematical tools and professionally allocate scarce resources to optimise
3. and maximise profit.
4. **Determine** critical path analysis to solve real life project scheduling time and timely delivery
5. **Evaluate** customers / clients waiting period for service delivery

6. **Develop** a report that describes the model and analyse the results
7. **Use** mathematical software to solve the proposed models

2.7 INNOVATION MANAGEMENT

At the end of the course, the students will be able to:

1. **Understand** the need for innovation in the competing world
2. **Explore** innovation along the technology and market
3. **Forecast/Deliver** strategy dimensions as the innovation moves from idea to market.
4. **Analyse** the risk factor involved in innovation projects and able to rectify in economic effectiveness.
5. **Understand** the need for out of box approach.

III SEMESTER

3.1 STRATEGIC MANAGEMENT & CORPORATE GOVERNANCE

1. **Evaluate** the competitive environment of an organization using tools such as the 5 forces model of competition, driving force analysis, strategic group mapping and competitor analysis.
2. **Evaluate** organizational resources and competitive position using tools such as SWOT analysis, value chain analysis, and benchmarking.
3. **Formulate** strategies that are effective and ethical
4. **Demonstrate** adequate understanding of the strategy implementation process
5. **Effectively** communicate orally and in writing

3.2 PROJECTS AND OPERATIONS MANAGEMENT

At the end of the course the students will be able to :

1. **Understand** the behavioural aspects of managing operations.
2. **Understand** production and inventory control methodologies.
3. **Demonstrate** knowledge and insight into the various tools of operations management;
4. **Develop** insights into the competencies required to become an effective manager in TQM or operations.
5. **Explain** and **evaluate** the quality processes in manufacturing and service sector to improve the operational performance.
6. **Identify** future challenges and directions that relate to process and plant layout.

7. **Apply** the tasks, tools and underlying principles of operations management in the manufacturing and service sectors.

IV SEMESTER

4.1 INTERNATIONAL BUSINESS DYNAMICS

After the completion of this course, the student will be able to

1. **Understand** the concept of globalization and International Business
2. **Trade** with Domestic, international, multinational, transnational companies.
3. **Investigate** and analyse the Foreign Direct investment and Foreign Institutional Investment.
4. To make students to **learn** how business organizations operate in an international environment.
5. To **understand** the impact of international influences on business.
6. To help students to **plan** a career in international business.
7. Increased confidence to take up a career in international business

Program B.Com

I Semester

Course outcome

<u>Sl. No</u>	<u>Paper</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>	<u>Credits</u>
1	1.3	Financial Accounting	CC11N1	<u>56</u>	<u>2</u>
2	1.4	Indian Financial System	CC11N2	<u>56</u>	<u>2</u>
3	1.5	Marketing and Services Management	CC11N3	<u>56</u>	<u>2</u>
4	1.6	Corporate Administration	CC11N4	<u>56</u>	<u>3</u>

COURSE OUTCOME FOR FINANCIAL ACCOUNTING

Course : Financial accounting

Program : B.Com

Subject code : CC11N1

Financial accounting

- At the end of the course, student will be able to understand the accounting principles and types of accounting .
- Should be able to pass a journal entry and post into ledger accounts.

- Prepare a basic financial statements.
- Calculate royalty amount .
- Able to categorize between partnership firm and limited company.

COURSE OUTCOME FOR INDIAN FINANCIAL SYSTEM

Course : Indian Financial System

Course code : CC11N2

Program : B.Com I Sem

AT the end of the course student will be able To

1. **Classify** the Financial system based on categories
2. **Evaluate** the factors contributing to the growth of Indian Financial system and how it has an impact on the Indian economy
3. **Design** their own strategies for Money market and Capital Market
4. **Analyze** the cases on Banking and Non banking Institutions and strategies taken by the Financial institutions at different stages
5. **Design** the Commercial Banks plan and functions by doing SWOT analysis.
6. **Design** the Regulatory Institutions their roles ,objectives and functions
7. **Evaluate** the impact of information technology on financial services

COURSE OUTCOME FOR CORPORATE ADMINISTRATION

Course : Corporate Administration

Course code : CC11N2

Program : B.Com I Sem

At the end of the course student will be able to

- 1: Understand highlights of companies act 2013 and kinds of companies in the light of CA-2013.
- 2: Understand stages in the formation of a company, meaning and contents of MOA-AOA-prospectus; documents to be filed with the registrar of companies-certificate of commencement of business.
- 3: Understand key managerial personal-appointment- qualifications- position-powers-rights-duties-liabilities-removal-dissmissal in the light of CA2013.
- 4: Understand types of corporate meetings-recquisites-minutes-resolutions-motions.
- 5: Understand formation of global companies-legal formalities-administration.

II Semester

Course outcome

<u>Sl. No</u>	<u>Paper</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>	<u>Credits</u>
1	2.1	Advanced Financial Accounting	CC22N1	<u>56</u>	<u>2</u>
2	2.2	Retail Management	<u>CC22N2</u>	<u>56</u>	<u>2</u>
3	2.3	Banking Law and Operations		<u>56</u>	<u>2</u>
4	2.4	Quantitative Analysis for Business Decisions – I		<u>56</u>	<u>3</u>

COURSE OUTCOME

Course : Advanced Financial Accounting

Program : B.Com

Subject code : CC22N1

Advanced financial accounting

- At the end of the course, student will be able to understand the different clauses in claiming insurances
- Should be able to identify differentiate between joint venture and partnership firm
- Should be able to prepare memorandum of different companies
- Analyze the financial statements of the company.

- Able to prepare invoices.

COURSE OUTCOME FOR RETAIL MANAGEMENT

Course : Retail management

Course code : BRMC6S

Program : BBA VI Sem Marketing specialization

AT the end of the course student will be able To

1. **Classify** the retailers based on categories- traditional, merchandise offered ownership, operations and non store retailing.
2. **Evaluate** the factors contributing to the growth of Indian retail industry and how it has an impact on the GDP of Indian economy
3. **Design** their own strategies for satisfying the retail customers
4. **Analyze** the cases on retail life cycle and strategies taken by the retail players at different stages during introduction, growth, maturity and decline stages.
5. **Design** the retail business plan by doing SWOT analysis.
6. **Design** the retail marketing mix and make decisions on product merchandise, price, supply chain, and promotional mix with respect to their retail business.
7. **Evaluate** the impact of information technology on retail business concerns.

COURSE OUTCOME FOR Banking Law & Operations

Course : **Banking Law & Operations**

Course code :

Program : B.Com II Sem

AT the end of the course student will be able To

1. **Identify** the kinds of Negotiable Instruments and its features
2. **Understand** the relationship between Banker and customer through general and special relationships.
3. **Analyze** about Banking operations ,specially collecting Banker , paying banker and lending operations
4. **Understand** the new technology in Banking like E-services, Debit and credit cards, internet banking, ATM, Electronic Fund transfer
5. **Classify** the customers based on categories and functions.
6. **Evaluate** the factors contributing to the growth of Indian Banking industry and how it has an impact on the GDP of Indian economy.
7. **Design** their own strategies for satisfying the Bank customers

III Semester

Course outcome

<u>Sl. No</u>	<u>Paper</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>	<u>Credits</u>
1	3.1	Corporate Accounting		<u>56</u>	<u>2</u>
2	3.2	Financial Management		<u>56</u>	<u>2</u>
3	3.3	Business Ethics		<u>56</u>	<u>2</u>
4	3.4	Quantitative Analysis for Business Decisions –II		<u>56</u>	<u>3</u>

IV Semester

Course outcome

<u>Sl. No</u>	<u>Paper</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>	<u>Credits</u>
1	4.1	Advanced Corporate Accounting	CC14N1	<u>56</u>	<u>2</u>

2	4.2	Cost Accounting	CC14N2	<u>56</u>	<u>2</u>
3	4.3	E-Business and Accounting	CC14N3	<u>56</u>	<u>2</u>
4	4.4	Stock and Commodity Markets	BSCC6S	<u>56</u>	<u>3</u>
5	4.5	principles of Event Management		<u>56</u>	<u>2</u>
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COURSE OUTCOME FOR COST ACCOUNTING

Course : Cost Accounting

Course code : CC14N2

Program : B.Com IV Sem A & B

At the end of the course, student will be able to:

1. **Discriminate** between Financial accounting and Cost Accounting.
2. **Compute** the cost sheet
3. **Estimates** the profit of tenders and quotations.
4. **Estimates** the Economic Order quantity

5. **Understand** the methods of pricing materials issues – FIFO, LIFO , SAM , WAM.
6. **Compute** labour remuneration under Halsey , Taylor’s Remuneration method.
7. **Evaluate** the reconciliation of cost and financial accounts under Direct and Indirect Method.

COURSE OUTCOME FOR EBA

Course : **EBA**
Course code :
Program : **B.Com IV Sem A & B**

At the end of the course, student will be able to:

- 1: Understand meaning and history of e-commerce, advantages and disadvantages of e-commerce, e-commerce business models, e-commerce revenue models, emerging trends, web auctions, virtual communities, portals.
- 2: Explain web server, internet, world wide web, hardware and software for web servers, website and internet utility programs, web hosting and choices of web hosting and shopping cart software
- 3: Demonstrate features of tally software, advantages, hardware required, preparation for installation of tally software, installation, items on tally screen, creating a new company, company features

and inventory features.

- 4: Configure tally, voucher entry, groups, ledgers, trial balance, accounts books, journal register and balance sheet.
- 5: Generate basic reports in tally- financial statements- accounting books and registers- and inventory books and registers.

COURSE OUTCOME

Course : Stock and commodity markets

Program : B.com

Subject code : BSCC6S

Stock and Commodity Markets

- At the end of the course, student will be able to understand the stock and commodity markets positions.
- Calculate the Sensex and Nifty.
- Know the process of opening Demat A/C
- Analyze SEBI norms.
- Classify different kinds of derivatives and trade.
- Categorize different commodities and match the commodities with the commodity exchange.

V Semester

Course outcome

<u>Sl. No</u>	<u>Paper</u>	<u>Course</u>	<u>Course Code</u>	<u>No of hours</u>	<u>Credits</u>
1	5.1	Entrepreneurship Development	CC15N1	<u>56</u>	<u>2</u>
2	5.2	International Financial Reporting Standards	<u>CCE5N2</u>	<u>56</u>	<u>2</u>
3	5.3	Income Tax – I		<u>56</u>	<u>2</u>
4	5.4	Costing Methods	CC15N3	<u>56</u>	<u>3</u>
5	5.5	Advanced Accounting	<u>CCE5N4</u>	<u>56</u>	<u>3</u>

COURSE OUTCOME FOR ADVANCED ACCOUNTING

Course : Costing Methods

Course code : CC15N4

Program : B.Com V Sem

At the end of the course, student will be able to:

- 1. Comparison** between Job and Batch Costing.
- 2. Problems** on Joint and By- Products
- 3. Procedure** of contract costing
- 4. Problems** on Contract Costing
- 5. Preparation** of job cost statement
- 6. Preparation** of activity base cost statement

COURSE OUTCOME FOR ADVANCED ACCOUNTING

Course : **Advanced Accounting**

Course code : **CCE5N1**

Program : **B.Com V Sem**

At the end of the course, student will be able to:

1. **Understand** the important provisions of banking regulation act of 1949.
2. **Performa** of bank final accounts.
3. **Interpret** life and general insurance
4. **Concepts** relating to insurance companies
5. **Models** of final accounts of insurance companies
6. **Generalize** the need and purpose of farm accounting.
7. **Problem** on investment accounting – Cum interest and Ex- interest.

VI Semester

Course outcome

<u>Sl. No</u>	<u>Paper</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>	<u>Credits</u>
1	6.1	Business Regulations	CC16N1	56	3
2	6.2	Principles and Practice of Auditing		56	3
3	6.3	Income Tax – II		56	3
4	6.4	Management Accounting	CC16N4	56	3

COURSE OUTCOME FOR BUSINESS REGULATIONS

Course : Business Regulations

Course code : CC16N1

Program : B.Com VI Sem

At the end of the course, student will be able to:

1. **Understand** the origin, purposes and scope and sources of business law.
2. **Define** Contract and essentials of valid contract.
3. **Demonstrate** the need of Indian Sale of Goods Act 1930.
4. **Illustrate** the importance of the consumer protection act 1956.
5. **Elaborately** explain the procedure to file a consumer complaint.
6. **Outline** the procedure to obtain a patent.
7. **Bring out** the important provisions of FEMA.
8. **Demonstrate** the powers of the Central Government in protecting the environment.
9. **List** out the types of pollutants.

COURSE OUTCOME FOR PPA

Course : PPA

Course code :

Program : B.Com VI Sem

At the end of the course, student will be able to:

CO1:	Explain the meaning, objectives, the differences between accountancy and auditing, the classification and types of audit, advantages of auditing; recent trends in auditing; preparation	12 hours
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	before the commencement of new audit; drafting an audit program; significance of audit note book and audit working papers.	
CO2:	Understand the meaning, objectives and fundamental principles of internal check, internal control and internal audit; and devise a suitable internal check for: cash sales, avoiding payment of wages for dummy workers, and cash purchases	10 hours
CO3:	Summarize the meaning and importance of routine checking and vouching, classification and types of vouchers; vouching of receipts and payments side of cash book especially-cash sales-receipts from debtors-proceeds of the sale of investments -cash purchases-payment to creditors and deferred revenue expenditure.	12 hours
CO4:	Demonstrate the verification and valuation of assets such as land and building-plant and machinery-goodwill-investments and stock-in-trade; and liabilities like bills payable-sundry creditors and contingent liabilities.	12 hours
CO5:	Understand the appointment, qualification, powers, duties and liabilities, and professional ethics of an auditor; audit procedure of educational institutions-insurance companies and co-operative societies.	10 hours

COURSE OUTCOME FOR COST ACCOUNTING

Course : **Management Accounting**

Course code : **CC16N4**

Program : **B.Com VI Sem**

At the end of the course, student will be able to:

1. **Discriminate** between Financial accounting and Management Accounting.
2. **Interpret** the financial statements and Trend Percentage.
3. **Analyze** the Ratio of different companies and interpret.
4. **Evaluate** the Cash flow statement.
5. **Determine** the fund flow statement
6. **Understand** the needs and importance of management reporting.

DEPARTMENT OF BBA

Course outcome

ODD SEMESTER

I SEMESTER: July 2017 – December 2017

<u>Sl. No</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>
1	Management Process	BMPC1S	<u>56</u>
2	Fundamentals of Accounting	BFAC1S	<u>56</u>
3	Business Organization and Environment	BBEC1S	<u>56</u>
4	Quantitative Methods for Business - I	BQMC1S	<u>56</u>

Course : FUNDAMENTALS OF ACCOUNTING.

At the end of the course students should be able to

1. Understand the basic concepts of accounting and the golden rules of accounting
2. Differentiate between single entry and double entry system of accounting
3. Explain significance and all types of subsidiary books.
4. Pass journal entries and posting them to ledger accounts
5. Solve problems on final accounts
6. Convert single entry to double entry system of accounting
7. Prepare Bank reconciliation statement.

Course: Quantitative Methods for Business - I

1. Understand the number system.
2. Differentiate and solve theory of equations.
3. Explain and understand the concept of progressions.
4. Solve the theory of equations
5. Solve the commercial arithmetic.

Course : Business Organization & Environment

AT the end of the course student will be able To

1. **Design** the Forms of organization Structure for the organization at all the levels
2. **Explain** the behavior of employers at individual, group and organizational level.
3. **Identify** the determinants of personality and the traits which an employers should possess in the organizational environment.
4. **Implement** the principles and theories of learning in the joint stock company
5. **Design** the group formation process, group goals, roles and responsibilities for achieving the objectives of Business Environment
6. **Analyze** the need and importance for adopting the change and developing the organization considering the famous case studies on organizational change, re-structuring and development.
7. **Understand** the relationship between Business and Government

III SEMESTER: July 2017 – December 2017

<u>Sl. No</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>
1	Soft Skills for Business	BSC3SB	<u>56</u>
2	Corporate Accounting	BCAC3S	<u>56</u>
3	Human Resource Management	BHRC3S	<u>56</u>
4	Business Regulations	BBRC3S	<u>56</u>
5	Corporate Environment	BCEC3S	<u>56</u>
6	Business Ethics	BBEC3S	<u>56</u>

Course : Soft Skills for Business

At the end of the course student will be able to

1. Understand the elements of communication.
2. Apply public speaking skills.
3. Understand and apply the art of conducting and giving interviews.
4. Participate and conduct group discussions. Brain storming, e- meetings, preparing agenda and minutes of the meeting.
5. Understand business communication
6. Make Bio-data, covering letter, interview letters, letter of reference. Memos, minutes, circulars & notices.

Course : Corporate Accounting

At the end of the course student will be able to

8. Discriminate between Financial accounting and Cost Accounting.
9. Compute the difference between marginal costing and absorption costing.
10. Estimates the Economic Order quantity .
11. Understand the methods of pricing materials issues – FIFO, LIFO.
12. Compute labour remuneration.

13. Evaluate the reconciliation of cost and financial accounts.

Course: Human Resource Management

At the end of the course student will be able to

1. Summarize the meaning, objectives, functions and process of HRM; duties and responsibilities of HR manager and recent trends in HRM.	10 hours
2. Understand the meaning and importance of HRP; meaning and methods of Recruitment; meaning and steps in Selection process; problems involved in Placement.	15 hours
3. Describe the objective, purpose and need for Training and Induction and on-the-job and off-the-job methods of training.	10 hours
4. Explain the meaning and objectives of Performance Appraisal; traditional and modern methods with their uses and limitations; meaning and objectives of Compensation.	10 hours
5. Examine the purpose and basis of Promotion; reasons and types of Transfer; Right sizing of workforce and its importance.	10 hours
6. Realize the role of HRD; Knowledge management and its resources; impact of globalization on HRM and problems in relation to transnational and multinationals.	05 hours

Course: Business Regulations

At the end of the course student will be able to

1. Prepare a chart showing sources of business law and Indian Constitution Articles having economic significance
2. Draft an agreement on behalf of an MNC to purchase raw materials indicating therein terms and conditions and all the essentials of a valid contract Understand the concept of law system in India and other countries.
3. Analyze the history of Indian contract act and Indian sale of goods act
4. Draft an application to the Chief Information Officer of any government office seeking information about government spending
5. Get the information from Right to Information and Right to education as provided by Government of India
6. Draft a complaint to District Consumer Forum on the deficiency of service in a reputed corporate hospital for medical negligence

7. Collect leading cyber crimes cases and form groups in the class room and conduct group discussion.
8. Draft a constructive and innovative suggestions note on global warming reduction.

Course : Corporate Environment

At the end of the course student will be able to

1. At the end of the course, student will be able to understand the importance of corporate social responsibility.
2. Able to know the procedure for liquidation.
3. Categorize different type of meeting to be conducted in the organization.
4. Analyze different forms of capital to be raised to start and run business.
5. Able to draft memorandum of association, articles of association and prospectus of the company.

Course : Business Ethics

At the end of the course student will be able to

6. Create business planning process .
7. Understand the international entrepreneurship opportunities and challenges .
8. Identify the risk involved and in a venture capital opportunities.
9. Design the CSR activity for various corporate for environmental awareness.
10. Determine the boundaries of social entrepreneurship.
11. Demonstrate an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems.
12. Understand legal forms and ethics as an entrepreneur and develop a business plan.

V SEMESTER: July 2017 – December 2017

<u>Sl. No</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>
1	Entrepreneurial Management	BEMC5S	<u>56</u>
2	Computer Applications in Business	BCAC5S	<u>56</u>
3	Investment Management	BNMC5S	<u>56</u>
4	Management Accounting	BMAC5S	<u>56</u>
	Electives : HR		
5	Employee Welfare & Social Security	EWEC5S	<u>56</u>
6	Strategic HRM	HRMC5S	<u>56</u>
	Electives : Finance		
5	Advanced Financial Management	AFMC5S	<u>56</u>
6	Financial Markets & Services	FMSC5S	<u>56</u>
	Electives : Marketing		
5	Consumer Behavior	MCBC5S	<u>56</u>
6	Advertising & Media Management	AMMC5S	<u>56</u>

Course : Entrepreneurial Management

At the end of the course student will be able to

1. Understand the concept ENTREPRENEURSHIP.
2. Understand and remember about small scale industries - tiny industries - ancillary industries - cottage industries.
3. Analyze Concept of Business opportunity, scanning the environment for opportunities, evaluation of alternatives and selection based on personal competencies.

4. Evaluate the Business Plan –Its Financial aspects - Marketing aspects - Human Resource aspects - Technical aspects - Social aspects .
5. Understand Implementation of the project.
6. Analyse and evaluate the sick industry - Causes of Industrial Sickness - Preventive and Remedial Measures for Sick Industries

Course : Entrepreneurial Management

At the end of the course student will be able to

1. Understand information and information system
2. Understand types of information systems- Management Information systems, , Transaction Processing systems, Decision Support Systems (DSS), Group Decision Support System (GDSS), Office Automation system, Process Control systems, Executive Information systems.
3. Apply MS OFFICE.
4. Understand Database management systems.
5. Remember different types of Database Systems
6. Under the accounting software- Tally.

Course : Investment Management

At the end of the course student will be able to

1. Explain the nature and scope of IM.
2. Discuss the different channels or alternatives available to an investor for making investments.
3. Find a pattern of systematic and unsystematic risk.
4. Analysis of variable income securities – fundamental, company and technical analysis.
5. Focus on portfolio theory – Markowitz model, Sharpe’s single index model, efficient frontier with lending and borrowing.
6. Strategies using derivate , hedging , portfolio revision , portfolio evaluation
7. Explain investors life cycle,

8. Describe mutual funds and its type.

Course : Management Accounting

At the end of the course student will be able to

1. Understand the concept of management accounting, financial accounting and cost accounting.
2. Collection of financial statements of any one organization for two years and preparing comparative statements
3. Collection of financial statements of any two organization for two years and prepare a common Size Statements
4. Collect statements of an Organization and Calculate Important Accounting Ratio's
5. Draft a report on any crisis in an organization

HR ELECTIVE

Course : EMPLOYEE WELFARE AND SOCIAL SECURITY

At the end of the course student will be able to

After the completion of this course, the student will be able to

1. Understand the concept of Social and Labour Welfare.
2. Enumerate about the planning commission of India and five year plans.
3. Understand the workings of International Labour organization and impact on India.
4. Analyze the statutory and non statutory welfare measures.
5. Understand the roles & responsibilities of welfare officer.
6. Understand the concept of Social security and analyze its importance.
7. Remember the evolution of Machinery for Labour Administration.
8. Analyze the role and responsibilities of Labour administration

Course : STRATEGIC HUMAN RESOURCE MANANGEMENT

At the end of the course student will be able to

9. Understand Strategic Role of HRM.

10. Understand the Investment perspectives of HR which includes Training and Development, Investment Practices for improved retention, Job secure workforce, Nontraditional Investment Approaches.
11. Analyze how managing of strategic organizations can be done.
12. Apply Total Quality Management programmes in organizations.
13. Understand the importance of Establishing Strategic pay plans.
14. Apply better methods of managing Global Human Resources.
15. Remember the Multinational, Global, and Transnational Strategies.

FINANCE ELECTIVE

Course : ADVANCED FINANCIAL MANAGEMENT

At the end of the course student will be able to

1. Analyse the risks associate with investment decision in business organisations under Risk adjusted technique, discount rate approach, certainty equivalent approach, sensitivity analysis, probability approach, standard deviation, co-efficient if variation and decision tree analysis.
2. Calculate cost of various types of long-term capital
3. Understand the theories of capital structure and solve some problems under theories
4. evaluate how factors affects dividend decision under irrelevance theory, MM model and walter and garden model.
5. Understand the importance and types of working capital
6. Calculate working capital requirement of a company.
7. Calculate value of a firm under DCF method, relative valuation method, net asset method and value based management.

Course : FINANCIAL MARKETS & SERVICES

At the end of the course student will be able to

1. Understand and analyze the Financial markets.
2. Understand and analyze Non-banking financial intermediaries
3. Understand and analyze SEBI – organization - functions and functioning of sebi - powers of SEBI - role of SEBI in marketing of securities and protection of investor interest.
4. Understand and analyze concept of mutual funds - growth of mutual funds in india.
5. Understand and analyze Recent trends in financial services

EVEN SEMESTER

<u>Sl. No</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>
1	Financial Accounting	BFAC2S	<u>56</u>
2	Quantitative Methods for Business -II	BQMC2S	<u>56</u>
3	Organizational Behavior	BRBC2S	<u>56</u>
4	Production and Operations Management	BPMC2S	<u>56</u>

Course : Financial Accounting

At the end of the course students should be able to

1. Calculate Fire Insurance claim.
2. Compute cash price of each installment and interest under Hire Purchase System
3. Understand the Accounting process and entries for public issue of equity shares and preference shares
4. Compute the purchase consideration payable by a purchasing company to a partnership firm under various methods.
5. Pass Journal entries and Calculate various ledger accounts in the book of lessee and lessor under Royalty Accounts

Course: Organizational Behavior

At the end of the course students should be able to

8. Design the organizational structure for the organization at all the three levels.
9. Explain the behavior of employees at individual, group and organizational level.
10. Identify the determinants of personality and the traits which an employee's should possess in the organizational environment.
11. Identify the components of attitude, their impact on formation of attitude and attitudinal change.
12. Implement the principles and theories of learning in the organization.
13. Design the group formation process, group goals, roles and responsibilities for achieving the objectives.
14. Analyze the need and importance for adopting the change and developing the organization considering the famous case studies on organizational change, re-structuring and development.

Course : Quantitative Methods For Business Decision II

AT the end of the course student will be able To

1. Understand of descriptive statistics.
2. Understand collection of data, sampling, classification and tabulation of data.
3. Understand averages, properties of mean, median and mode, frequency polygon.
4. Understand measures of dispersion, mean deviation, standard deviation, coefficient of variation and skewness.
5. Understand the facts are described using the index numbers, uses, steps in construction of index numbers.

Course : Production and Operations Management

At the end of the course student will be able to

1. Identified Production and Operations Management Roles and Responsibilities
2. Understand by the students to produce goods services of right quality and quantity at the right time and right manufacturing cost.

3. Analyze the different types of facilities like building , sanitation ,lighting ,air conditioning and safety for organization physical facilities
4. Evaluate different statistical quality control Techniques for Quality management
5. Design the Wast management , scrap and surplus disposal ,salvage and recovery

IV SEMESTER: January2018 – June 2018

<u>Sl. No</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>
1	Business Research Methods	BRMC4S	<u>56</u>
2	Marketing Management	BMMC4S	<u>56</u>
3	Financial Management	BFMC4S	<u>56</u>
4	Services Management	BSMC4S	<u>56</u>
5	Banking Regulations & Operations	BREC4S	<u>56</u>
6	Cost Accounting	BCAC4S	<u>56</u>

Course : Business Research Methods

At the end of the course student will be able to

1. Understand the concept of Research and its importance in Business and society.
2. Explain the research approaches and their correct application.
3. Explain how to define research design.
4. Understand the data collection methods used in research.
5. Enumerate the tools used in data collection and the significance of data in research.
6. Understand the importance of correct tabulation in research.
7. Define the correct usage of statistical tools and its importance in deriving the result from research.
8. Understand the qualities of a good written report.

Course : Marketing Management

At the end of the course student will be able to

1. Understand the importance of Customer relationships and holistic marketing to create marketing value for the organization.
2. Enumerate Marketing segments.
3. Create product and pricing designs for the defined market segments.
4. Design marketing strategies for the given organization.
5. Analyse distribution and integrated marketing communication strategies for the given organization.

Course: Financial Management

At the end of the course student will be able to

1. Understand the concept of financial management, goals of a firm and agency problem of the company
2. Determine the process of banking and insurance sectors calculation in reference to time value of money.
3. Project the company's financial position using comparative analysis through EPS and income statement
4. Take a decision on investment based on cost of capital and risk maintenance.
5. Prepare the budget for individual life and for the company with effective manner
6. Analyze the short term investment and long term investment using working capital management

Course: Services Management

At the end of the course student will be able to

1. Explain the Indian service industry and their contribution towards the growth of Indian economy in terms of GDP.
2. Design the service mix for their desired service organization with the usage of GAP model
3. Identify the market segments in tourism sector by analyzing the profiles of major tourism players in India.
4. Design the service delivery process blue print in hospitality sector by considering the service mix of major players in hospital sector.
5. Design the service mix for the hotel by considering the 7ps of Taj group of hotels.

6. Analyze and select the type of insurance needed to run the service organization effectively.
7. Evaluate the benefits of recent trends in banking sector.
8. Analyze the role of Information technology in the growth of Indian service sector.

Course : Banking Regulations & Operations

At the end of the course student will be able to

1. Understand the Role and functions of Commercial Bank.
2. Understand the Regulation and Control of Commercial Banks by RBI.
3. Identify different types of customer, procedure and practice in opening an account.
4. Analyze the different types of Negotiable Instruments available and its role in the market.
5. Identify the duties and responsibilities of paying banker and collecting banker
6. Evaluate the procedure to identify the NPA
7. Understand the subsidies and credit facilities available for budding entrepreneurs.

Course : Cost Accounting

At the end of the course student will be able to

1. Discriminate between Financial Accounting and Cost Accounting
2. Compute cost sheet
3. Estimates the profit of tenders and quotations
4. Estimates Economic Order Quantity
5. Understand the methods of pricing materials issues- FIFO, LIFO
6. Calculate labour remuneration
7. Evaluate the reconciliation of Cost and Financial Accounts

VI SEMESTER: January 2018 – June 2018

<u>Sl. No</u>	<u>Course</u>	<u>Course code</u>	<u>No of hours</u>
1	International Business	BNBC66S	<u>56</u>
2	E-Business	BEBC6S	<u>56</u>
3	Income Tax	BNTC6S	<u>56</u>
	Electives : HR		
5	Organizational Change & Development	BCDC6S	<u>56</u>
6	Compensation Management	BCMC6S	<u>56</u>
	Electives : Finance		
5	International Finance	BNFCS6	<u>56</u>
6	Stock and Commodity Markets	BSCC6S	<u>56</u>
	Electives : Marketing		
5	Brand Management	BBMC6S	<u>56</u>
6	Retail Management	BRMC6S	<u>56</u>

Course : International Business

At the end of the course student will be able to

1. **Understand** the concepts of Domestic business to International business.
2. **Know** and learn the latest news affecting India through WTO,IMF etc.
3. **Calculate** data of foreign exchange rate of at least few currencies.
4. **Evaluating** and comparing different modes of entering International Business .
5. **Defining** the Globalization , stages and its features .
6. **Understand** the foreign trade procedures regarding the regulations and techniques of trade.
7. **Analyze** the impact of an organization's integrative trade initiatives on its human resources management strategies, policies and practices.

Course : E-Business

At the end of the course student will be able to

1. Understand about information technology and applications of e commerce.
2. Understand how to do trading of products and services using internet.
3. Understand servicing customers ,processing paymentsand e business marketing technologies.

Course : Income Tax

At the end of the course student will be able to

1. Various provision of Income Tax Act relating to computation of Income of an Individual.
2. Identify the Incomes which are totally exempt from tax.
3. Prepare Income tax return in prescribed form
4. Determine the total income of Individuals based their residential Status.
5. Encourage savings and to save tax through understanding of various deductions u/s 80 from the Gross total income
6. Calculate Salary Income of an employee in the organization and also compute tax liability
7. Understand legal framework of Income Tax Act, 1961, So that they can approach the concerned authorities to find solution for the problems.

HR ELECTIVE

Course : ORGANIZATIONAL CHANGE AND DEVELOPMENT

At the end of the course student will be able to

1. Explain the need as to why the organizations should undergo change.
2. Determine the different forms of human response to change.
3. Determine the importance of organizational effectiveness.
4. Identify the impact of change on organizational effectiveness.
5. Explain why interventions are important for the organization.
6. Explain the nature of Organizational development.
7. Identify the need for creativity and innovation in the organizations.

Course : COMPENSATION MANAGEMENT

At the end of the course student will be able to

1. Define the traditional and modern methods of Job Evaluation.
2. Identify the performance standards applied in various organizations to evaluate employees.
3. Determine the importance of performance appraisal.
4. Identify the compensations techniques used in organizations.
5. Explain the bases of salary and wage calculation.
6. Understand the different types of incentive schemes used in organizations for different positions.
7. Identify the bases of executive pay plans and the benefits offered.
8. Explain about the importance of pay commission.
9. Define the compensation management followed in MNCs.

FINANCE ELECTIVE

Course : STOCK AND COMMODITY MARKETS

At the end of the course student will be able to

1. At the end of the course, student will be able to understand the stock and commodity markets positions.
2. Calculate the Sensex and Nifty.
3. Know the process of opening Demat A/C
4. Analyze SEBI norms.
5. Classify different kinds of derivatives and trade.
6. Categorize different commodities and match the commodities with the commodity exchange.

Course : RETAIL MANAGEMENT

At the end of the course student will be able to

1. Classify the retailers based on categories- traditional, merchandise offered ownership, operations and non store retailing.
2. Evaluate the factors contributing to the growth of Indian retail industry and how it has an impact on the GDP of Indian economy
3. Design their own strategies for satisfying the retail customers

4. Analyze the cases on retail life cycle and strategies taken by the retail players at different stages during introduction, growth, maturity and decline stages.
5. Design the retail business plan by doing SWOT analysis.
6. Design the retail marketing mix and make decisions on product merchandise, price, supply chain, and promotional mix with respect to their retail business.
7. Evaluate the impact of information technology on retail business concerns.

Course : BRAND MANAGEMENT

At the end of the course student will be able to

1. At the end of the course, the student will be able to position the company brand in the market
2. Understand and analyze the market demand
3. Should be able to identify the potential market
4. Able to segment the market considering the various factors
5. Able to generate new ideas to develop a new product.

PROGRAM:BCA

SEMESTER	COURSE NAME	COURSE CODE
1	PROBLEM SOLVING TECHNIQUES USING C	BCA103T
	DIGITAL ELECTRONICS	BCA104T
	DISCRETE MATHEMATICS	BCA105T
2	DATABASE MANAGEMENT SYSTEM	BCA204T
	DATA STRUCTURE	BCA203T
	NUMERICAL ANALYSIS	BCA205T
3	OBJECT ORIENTED CONCEPTS USING C++	BCA303T
	OPERATING SYSTEM	BCA305T
	FINANCIAL ACCOUNTING	BCA304T
4	VISUAL PROGRAMMING	BCA403T
	UNIX OPERATING SYSTEM	BCA404T
	OPERATION RESEARCH	BCA405T
5	PROGRAMMING IN JAVA	BCA504T
	COMPUTER ARCHITECTURE	BCA503T
	MICROPROCESSOR AND ASSEMBLY LANGUAGE	BCA505T
	DATA COMMUNICATION AND NETWORK	BCA501T
	SOFTWARE ENGINEERING	BCA502T
6	WEB PROGRAMMING	BCA604T
	SYSTEM PROGRAMMING	BCA602T
	THEORY OF COMPUTATION	BCA601T
	CRYPTOGRAPHY AND NETWORK SECURITY.	BCA603T

COURSE OUTCOME: PROBLEM SOLVING TECHNIQUES USING C

I semester

Subject

Code: BCA103T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the fundamentals of programming concepts	Understand	12
CO2	Implement the programming concepts in the form of control statements and functions.		12
CO3	Develop a simple C program using arrays and strings	Understand	12
CO4	Implement C program using structures and pointers	Understand	12
CO5	Understand the concepts of file and preprocessors	Understand	12

COURSE OUTCOME: DIGITAL ELECTRONICS

I semester

Subject

Code: BCA104T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the fundamentals of electricity and electronics	Understand	12
CO2	Analyze the concept of semiconductor and different terminologies of semiconductor	Understand	12
CO3	Implement concepts on number system, Boolean algebra.	Apply	12
CO4	Create different circuits with the help of logic gates.	Execute	12
CO5	Evaluate sequential circuits, flip-flops, Registers	Execute	12

COURSE OUTCOME: DISCRETE MATHEMATICS

I semester
Code: BCA105T

Subject

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand concept of sets, relations and functions and mathematical logic.	Understand	13
CO2	Understand linear matrices and to solve linear equations	Understand	13
CO3	Solve permutation and combination problems	Solve	13
CO4	Define groups, subgroups, vectors and their applications	Solve	13
CO5	Understand and solve two-dimensional geometry and problem solving.	Solve	13

COURSE OUTCOME: DATA STRUCTURES

II semester
Code: BCA203T

Subject

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the basic concepts of data structures	Understand	12
CO2	Develop sorting and searching algorithms using arrays	Apply	12
CO3	Implement the operations on linked list using the concept of linked list	Understand	12
CO4	Understand the concept of stacks and queues	Understand	12
CO5	Generate the adjacency matrix and binary search tree using graphs and trees	Apply	12

COURSE OUTCOME: DATABASE MANAGEMENT SYSTEM

II semester
Code: BCA204T

Subject

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Analyze What is Data, Database, DBMS, DBA, Functions of database	Understand	12
CO2	Implement E-R diagram and different types of entities	Apply	12
CO3	Produce Functional dependencies among relations, Normalization of tables	Understand	12
CO4	Implement relational algebra, relational calculus	Understand	12
CO5	Organize Structured query language with all its commands and transaction control system	Execute	12

COURSE OUTCOME: NUMERICAL AND STATISTICAL METHODS

II semester

Subject

Code: BCA205T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand fundamentals of floating point and roots of equation	Solve	13
CO2	Solve the methods based on interpolation and numerical integration	Solve	13
CO3	Solve the system of linear equation and ordinary differential equation	Solve	12
CO4	Define statistics, mean, median, mode, probability and its applications.	Solve	12
CO5	Understand the random variable and theorems of expectation	Solve	12

COURSE OUTCOME: OBJECT ORIENTED PROGRAMMING USING C++

III semester

Subject

Code: BCA303T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
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CO1	Compare Procedure oriented and object oriented programming structures	Understand	12
CO2	Explain classes, objects and visibility modes	Understand	12
CO3	Illustrate of function and operators overloading	Understand	12
CO4	Understand virtual functionalities and exception handling	Understand	12
CO5	Outline stream and class hierarchy	Understand	12

COURSE OUTCOME: FINANCIAL ACCOUNTING AND MANAGEMENT

III semester

Subject

Code: BCA304T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand accounting principles and its types	Understand	12
CO2	Prepare journal entry and post into ledger accounts	Apply	12
CO3	Prepare a financial statement	Apply	12
CO4	Calculate profit and loss of company	Apply	12
CO5	Able to use tally software	Execute	12

COURSE OUTCOME: OPERATING SYSTEM

III semester

Subject

Code: BCA305T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Describe operating system basics, Multiprogramming, Multiprocessing operating system	Understand	12
CO2	Explain process synchronization, semaphore, Deadlock and Deadlock avoidance algorithms	Understand	12
CO3	Understand memory management techniques by operating system in computer	Understand	12
CO4	Summarize File management techniques by	Understand	12

	operating system in computer		
CO5	Provide Security to different types of files.	Understand	12

COURSE OUTCOME: VISUAL PROGRAMMING

IV semester

Subject

Code: BCA403T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the fundamentals of Visual Basics controls.	Understand	12
CO2	Develop a VB application using functions and procedure	Create	12
CO3	Design a VB application with database connectivity of DAO and ADO	Create	12
CO4	Implement menus and Dialog Box application using VC++	Apply	12
CO5	Generate a MDI and Splitter window using VC++ Components	Create	12

COURSE OUTCOME: UNIX PROGRAMMING

IV semester

Subject

Code: BCA404T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understanding the features, system architecture and general purpose commands of UNIX	Understand	12
CO2	Explain file system structure, pathname, files, directory and related commands	Understand	12
CO3	Explain on processes, process scheduling and termination using processes related commands.	Understand	12
CO4	Illustrate mountable file system, formatting and disk partitioning	Understand	12
CO5	Understand the use of stream editor,	Understand	12

	system calls, library functions and compression facilities		
CO6	Create shell script using control statements, iteration statements and jump statements	Apply	12

COURSE OUTCOME: OPERATION RESEARCH

IV semester
Code: BCA405T

Subject

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Formulate linear programming problem and methods for solving it	Solve	13
CO2	Understand transportation problem and MODI method to find optimal solution	Solve	13
CO3	Formulate assignment problem and solve it	Solve	13
CO4	Design of networks and compute of CPM and PERT	Solve	13
CO5	Understand basic of game theory and its application	Solve	13

COURSE OUTCOME: DATA COMMUNICATION AND NETWORKS

V semester
Code: BCA501T

Subject

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the basic concepts of	Understand	12

	Networks and its services.		
CO2	Understand the concepts of Basic Transmission System	Understand	12
CO3	Implement the peer to peer protocol and service models.	Apply	12
CO4	Determine the working of Local Area Network and Medium access control protocol.	Apply	12
CO5	Understand the concepts of Ethernet and LAN standards.	Understand	12

COURSE OUTCOME: SOFTWARE ENGINEERING

V semester

Subject

Code: BCA502T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	<u>Understand</u> the fundamentals of software engineering.	Understand	12
CO2	<u>Design</u> the software prototype using design process and strategies	Understand	12
CO3	<u>Implement</u> the detailed design of software using object oriented, function oriented and user interface	Understand	12
CO4	<u>Analyze</u> the software reliability and reusability using reliability metrics	Understand	12
CO5	<u>Evaluate</u> software verification and validation using testing process and management	Understand	12

COURSE OUTCOME: COMPUTER ARCHITECTURE

V semester

Subject

Code: BCA503T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understanding digital logic circuits and integrated circuits	Understand	12
CO2	Explain data representation and data transfer operation	Understand	12

CO3	Illustrate basic organization and design of computer	Understand	12
CO4	Understand central processing organization	Understand	12
CO5	Outline input-output and memory organization	Understand	12

COURSE OUTCOME: JAVA PROGRAMMING

V semester

Subject

Code: BCA504T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the basic concepts of Java Programming	Understand	12
CO2	Implement a java program with class, methods and Arrays.	Apply	12
CO3	Understand the concepts of Interfaces, API Packages and Thread	Understand	12
CO4	Develop an executable Applet Code	Create	12
CO5	Understand the concepts of Files Handling	Understand	12

COURSE OUTCOME: MICROPROCESSOR AND ASSEMBLY LANGUAGE

V semester

Subject

Code: BCA505T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand logic gates, Boolean algebra, combinational circuits, Flipflops, Binary counters and registers.	Understand	12
CO2	Analyze data types, fixed point representation, Error codes, register	Analyze	12

	transfer, Memory transfer and i/o transfer		
CO3	Understand basic instruction code, timing and computer instructions, design of computer.	Understand	12
CO4	Illustrate processor bus organization, Arithmetic logic unit and microprocessor organization.	Illustrate	12
CO5	Understand the concept of peripheral devices, input-output process and memory.	Understand	12

COURSE OUTCOME: THEORY OF COMPUTATION

VI semester

Subject

Code: BCA601T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand Automata theory, DFA,NFA with examples and applications	Understand	12
CO2	Implement Regular languages, Regular Grammar, Applications, Closure properties	Understand	12
CO3	Understand Context free grammar, Parse tree, application, push down automata	Understand	12
CO4	Implement the concept of pumping lemma and Context free language.	Understand	12
CO5	Understand the concept of Turing Machine.	Understand	12

COURSE OUTCOME: SYSTEM PROGRAMMING

VI semester

Subject

Code: BCA602T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Understand the components of system softwares and the basic machine structure	Understand	12
CO2	Understand the design procedures of general machine structure, machine languages and assembly languages.	Understand	12

CO3	Illustrate the design procedure of macro processor and implementation using macro instructions	Understand	12
CO4	Understand the design of Absolute loaders and Linkers and specify the format of data structures and databases	Understand/Specify	12
CO5	Understand the general model of a compiler and state the different phases of Compilers	Understand	12

COURSE OUTCOME: CRYPTOGRAPHY AND NETWORK SECURITY

VI semester

Subject

Code: BCA603T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS
CO1	Classify security goals and services, cryptography attracts, mechanism and techniques	Understand	12
CO2	Explain DES and AES ciphers	Understand	12
CO3	Illustrate encryption using modern symmetric key ciphers	Understand	12
CO4	Understand hash functions, digital signature and symmetric key distribution	Understand	12
CO5	Outline security at the application, transport and network layers	Understand	12

COURSE OUTCOME: WEB PROGRAMMING

VI semester

Subject

Code: BCA604T

At the end of this course, students will be able to

	OUTCOME	CL	NO. OF HOURS

CO1	Understand the fundamentals of Web applications, HTML and XHTML.	Understand	12
CO2	Develop a Web page using XHTML with CSS	Understand	12
CO3	Design a interactive web page using XHTML, CSS and JavaScript.	Understand	12
CO4	Implement an online application form using JavaScript and CSS	Understand	12
CO5	Generate an XML documents with CSS.	Understand	12