

**INSTITUTE OF INNOVATION IN TECHNOLOGY
AND MANAGEMENT**
**(AFFILIATED TO GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY)**

**Programme Outcomes, Programme Specific Outcomes
and Course Outcomes**

Student Performance and Learning Outcomes

The Institute offers the following courses from across the disciplines of Management, Commerce and Computer Applications:

- **Bachelor of Business Administration (BBA)**
- **Bachelor of Computer Applications (BCA)**
- **Bachelor of Commerce (B.Com(H))**

The University has prescribed different courses for each programme as core and electives. The syllabi are designed, finalized, and amended as per Guru Gobind Singh University Guidelines from time to time.

The syllabi have been prepared based on Programme Outcomes and Course Outcomes.

The Syllabus can be found on the following links:

<https://iitmjp.ac.in/iitm-janakpuri-syllabus-ggsipu-courses-bca-bba-bcom/>

❖ Program outcomes and course outcomes for all programs are offered by the institution and hence, are stated below:

The Institute uses the following roadmap to make the students and faculty members mindful of the learning results:

- a. The Institute is aligned to a defined vision and mission which clearly defines these outcomes. This is portrayed through Institute website, Notice boards, newsletters and other social media portals- Facebook, Instagram, etc.
- b. The Institute is committed to the defined course curriculum as prescribed by Guru Gobind Singh Indraprastha University for all the programmes. Course outcomes are clearly stated in the syllabi and lesson plan of the course. The syllabi, therefore, are well-known to all the stakeholders through the University syllabus which is available on the University website and the Institute website.
- c. The faculty executes the assigned course via. Preparation of lesson plan, the initial step. This practice of preparation of lesson plans as per the university-defined syllabus is carried out by each subject faculty of the programme in the beginning of every semester. This clearly states that the learning outcomes are well-defined and timely achieved.
- d. Orientation session, Mentor-mentee interactive sessions, Director's address, HOD's address to the students, etc., are the pathways to inform students about the learning outcomes of their respective course. Hence, students are shown a tour of the department and the college to familiarize them with the various facilities and infrastructure.
- e. Requisite meeting from time to time – departmental meetings by HODs and PDs, Director's meeting with PDs and HODs are conducted to disseminate the expected learning outcomes to the faculty members.

❖ Programme outcomes and course outcomes are attained and evaluated by the institution with the help of following structured parameters:

- Gold medalist, exemplary results, and university positions of students are the transparent indicators of the academic achievements of the programmes offered by the Institute.

- The Institute has a good placement record. A well-placed alumni indicates the programmes, pre-placement classes, and requisite training are initiated as per industry requirements.
- Alumni pursuing higher education from national or international premier institutes is the biggest and life-long asset to the Institute indicating the high academic standards of the Institute.
- Internal examinations, student projects, internal assignments, quiz, class presentations, discussion of cases or case-studies, etc. indicates the mapping of knowledge and skills developed by a student.
- Knowledge gained by the student is also quantified by means of academic grades. Academic grades are assigned to the students on the basis of continuous evaluation every semester.
- Continuous evaluation in the way of feedback forms also streamlines the teaching-learning process. Feedback form also portrays the understanding of the subject from student point of view.
- Any gap is bridged by repeating or devoting more time to topics or concepts that are not grasped by the students. Remedial classes and bridge courses are taken as an initiative.
- Students are encouraged to undertake MOOC courses, summer internships. These internships in industries help them recognize the practical applications of the concepts learned in their class.

❖ Programme Outcome, Programme Specific Outcome, Course Outcome of BBA, BCA and B.Com(H):

1. Bachelor of Business Administration (BBA)

1.1 Programme Outcome (PO)

On the successful completion of the BBA programme, students will be able to:

- Demonstrate ability to perform effectively as a team leader or team member for the achievement of defined organizational goals.
- Develop the diverse potential skills and competencies for managing businesses and entrepreneurial ventures.
- Acquire pre-requisite knowledge and skills to effectively accomplish visionary companies through creativity and strategic innovation.

1.2 Programme Educational Objectives (PEOs)

Basic Knowledge of Business Administration: The fundamental knowledge of business administration is helpful to groom and develop a team of future business managers and experts.

- Rational approach: The practical and rational knowledge of various aspects of business, like Accountancy, Financing, costing and economics, etc. is required in polishing an application-based approach.
- Logical & Methodical perspective: The subjects like Business Mathematics and Business Statistics strengthen the logical and general reasoning of students. On the one hand, Research Methodology facilitates problem identification and market research analysis; on the other hand, Business Policy and Strategy Management highlight the understanding of the principles of strategy formulation, implementation, and control in organizations. The understanding of all these aspects shapes a broader view of young business executives.
- All-inclusive personality grooming: Enhancement of communication and presentation skills are developed in the subject areas like Business Communication, whereas technical

skills are enhanced in IT and other practical classes to make overall personality development.

- Employability and self-employment: Gaining fundamental knowledge about the business operations after completion of this course, students are open to many options with them. They may go for pursuing higher studies, get a job or start their own venture.
- Ethically upright future citizens: Through one of the subjects Values and Ethics in Business, students gain the learning of the skills of ethical decision-making and, then, apply those skills to the real and current challenges of the information professions.

1.3 Course Outcome (CO)

Course	Course Outcome
BBA SEMESTER-1	
BBA 101 Management Process & Organizational Behavior	<ul style="list-style-type: none"> • Acquaintance and implementation of basic knowledge and exposure to concepts, theories and practices in Management. • Understand the management processes and techniques of business organizations to ensure success and timely completion of tasks. • Understand the significance of motivation in building a competitive Business Organization. • Understand the significance of Leaders and Leadership in the context of Business Organizations.
BBA 103 Business Mathematics	<ul style="list-style-type: none"> • Apply the knowledge of Mathematics (Algebra, Matrices, Calculus, Optimization) in solving business problems. • Demonstrate mathematical skills required in mathematically intensive areas in Commerce such as Finance and Economics.

	<ul style="list-style-type: none"> • Understand the vital role Mathematics plays in all facets of the business world. • Understand the application of equations, formulae, and mathematical expressions and relationships in a variety of contexts. • Demonstrate critical and logical thinking, modeling, and problem-solving skills in a variety of contexts.
BBA 109 Financial Accounting & Analysis	<ul style="list-style-type: none"> • Develop a general understanding of nature and importance of Financial Accounting. • Develop an understanding of various concepts and conventions of Accounting and their day-to-day use. • Gain an insight on GAAP and Accounting standards so, as to assure uniformity and transparency in Accounting. • Develop and understand the nature, purpose, and preparation of Financial Statements in relationship to decision making. • Develop the ability to use the fundamental Accounting Equation to analyze the effect of business transactions on an organization's accounting records and Financial Statements.
BBA 107 Business Economics	<ul style="list-style-type: none"> • Understand the basic elements of Business Economics aspects, nature and decision making. • Understand Pricing policy under Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly and Pricing Objectives and Methods for production to minimize the cost and maximum the profit.

	<ul style="list-style-type: none"> • Demonstrate an understanding of how markets work to allocate resources and the optimal individual decision-making that underlies market outcomes. • Identify various market structures and discuss their implications for resource allocation. • Elaborate the advantages and potential shortcomings of markets, discuss the conditions under which markets do and do not work well, and describe the role of public policy intervention in cases where markets fail to perform optimally.
BBA 109 Computer Applications	<ul style="list-style-type: none"> • Understand the basics of Computers and their components Use Word Processor, Power Point and Excel efficiently. • Describe the usage of Computers and organize and work with Files and Folders. • Know various types of Networks, Network Standards and Communication Software. why Computers are essential components in business and society.
BBA SEMESTER-2	
BBA 102 Cost Accounting	<ul style="list-style-type: none"> • Get an understanding of the basic Cost Accounting Concepts and their applications in managerial planning and decision making. • Get familiarized with different costs and the effective utilization of the resources to reduce cost. This will be beneficial for them with they get hired for a job of an

	<p>accountant or accounting specialists.</p> <ul style="list-style-type: none"> Identify Cost-Volume-Profit relationships and solve CVP functions. Identify and apply Job Costing and allocation of Overhead.
BBA 104 Quantitative Techniques	<ul style="list-style-type: none"> Get acquainted with the basic concept and tools in Statistics and Operations Research. Assist the students in resolving complex problems and serve as a valuable guide for decision-making. Learn applications of Statistics in day-to-day life as well as in business. To develop students in Operations Research areas which will empower them to understand business problems and apply techniques and skills to solve them.
BBA 106 E-Commerce	<ul style="list-style-type: none"> Understand the concept of E-commerce and its types. Gain an inclusive understanding of the E-Commerce landscape, current and emerging business models, and the technology and infrastructure underpinnings of the business. Learn how innovative use of E-Commerce can help in developing competitive advantage and will also develop an understanding of how the internet can help businesses grow. Highlight the importance of security, privacy, and ethical issues related to E-Commerce.

<p>BBA 110 Business Communication</p>	<ul style="list-style-type: none"> • Demonstrate, assert and strengthen the personal character and thus, develop an ethical sense. • Aim for student's confidence through communication and presentation skills.
<p>BBA 112 Business Environment</p>	<ul style="list-style-type: none"> • Familiarize with the nature of the Business Environment and its components. • Able to demonstrate and develop a conceptual framework of Business Environment and generate interest in business. • Sketch out how an entity operates in a Business Environment. • Analyse the key decisions that the firms make in relation to the choice of markets and entry strategies. • Apply an understanding of the different modes of engagement with markets and know the interrelatedness between these and the economic, legal, governmental, political, regulatory, cultural and other environments in which expanding companies operate
<p>BBA SEMESTER-3</p>	
<p>BBA 201 Business Laws</p>	<ul style="list-style-type: none"> • Understand the concept of Law • Highlight the formation of Indian Contract Act and essentials of a Valid Contract. • Understand the concept, essential elements, importance of adequacy of consideration and to identify the persons who are not competent to enter into Contracts. • Understand the concept of Conditions and Warranties under the Sale of Goods Act. Identify the type of Act which is applicable in different business

		situations.
BBA	203	
Marketing Management		<ul style="list-style-type: none"> Identify the foundation terms and concepts that are normally used in Marketing. Learn to find the essential Elements for effective Marketing. Understand the Nature, Scope and basic Marketing Concepts and Strategies. Use Marketing information and research to develop Marketing strategies.
BBA 205 Business Ethics & CSR		<ul style="list-style-type: none"> Understand the core importance of Values and Ethics in Business. Develop a background in ethics as base to learn the skills of ethical decision-making and, then, to apply those skills to the real and current challenges of the information professions. Demonstrate the application of professional value and judgment through an ethical framework that is in the best interests of society and the profession, in compliance with relevant professional codes, laws and regulations. Apply relevant knowledge, and skills and exercise professional judgment in carrying out the role of the accountant relating to Governance, Internal Control, Compliance and the management of risk within an organization, in the context of an overall ethical framework.
BBA	207	
Management Accounting		<ul style="list-style-type: none"> Develop an understanding of different types of accounting i.e., Management, Cost, and Financial Accounting. Create and apply Standards and Budgets for Planning and

	<p>Controlling purposes.</p> <ul style="list-style-type: none"> Analyze and Interpret the Financial data in order to help Management to take decisions, make Policies, Strategies and control the Organization effectively. Develop knowledge and understanding of how to prepare and process basic Cost and Quantitative information. Support management in Planning and decision-making in a variety of Business contexts.
BBA 209 Indian Economy	<ul style="list-style-type: none"> Develop an understanding of problems and solutions in Indian Economy. Interpret Monetary and Fiscal Policies. Explain Balance of Payments & the Global Markets Explain the problems of Poverty, Unemployment and Inflation in India. Highlight the importance of Agriculture and Industry in India.
BBA 211 Environmental Science (NUES)	<ul style="list-style-type: none"> Develop an understanding of various minutiae of Environment Science Create capability to recognize core issues of Environment Science and application Sensitize students to environmental issues. Activate them to adopt environment conservation s
BBA SEMESTER-4	

<p>BBA 202 Human Resource Management</p>	<ul style="list-style-type: none"> • Learn the development, implementation, and evaluation of employee recruitment, selection, and retention plans and processes. • Develop the knowledge, skills and concepts required to resolve actual Human Resource Management Problems or issues. • Evaluate the procedures and practices used for Recruiting and Selecting suitable employees. • Assess Training requirements and design a successful orientation and training program.
<p>BBA 204 Financial Management</p>	<ul style="list-style-type: none"> • Build an understanding of Concepts, vital Tools, and Techniques applicable for financial decision-making by a Business Firm. • Understand the procurement or sources of finance with their benefits and limitations. • Familiarize with the concept of Time Value of Money and the various Valuation Concepts associated with it. • Know the concept of Capital Structure, the significance of Capital Structure, Capital Structure Theories. • Appraise different Capital Budgeting Methods and their Applications.
<p>BBA 206 Research Methodology</p>	<ul style="list-style-type: none"> • Understand the process of Marketing Research and its different processes. • Identify Sources of Information, understand different Research Methods, apply selected Research Methods. • Analyze and interpret both Qualitative and Quantitative data.

		<ul style="list-style-type: none"> • Adequate knowledge of various kinds of Research, Objectives of doing Research, Research Process, Research Designs and Sampling, Measurement & Scaling Techniques, Data Analysis-and Hypothesis Testing Procedures, and Report Writing. • Develop Data Analytics Skills which would make them carry out meaningful interpretation of the data sets. Such skills would help them to solve any Business or Research Problem.
BBA	210	<ul style="list-style-type: none"> • Understand the concepts of Planning Website. Create Web Site with FrontPage. • Develop an understanding of the global E-Business Concepts and the collaborations that are taking place. • Have knowledge about its Infrastructure & Emerging Technologies. • Identify Global Issues and Challenges faced by Organizations.
BBA	214	<ul style="list-style-type: none"> • Understand the Concept, Nature and Characteristics of Business Communication, how it is important for Business Organizations and what are its roles in Business Organizations. • Understand that an effective Business Communication Process empowers an organization to move towards goal

	<p>fulfillment.</p> <ul style="list-style-type: none"> • Understand various Ethical and Legal issues involved in Business Communication and train them on how to communicate ethically. • Use Persuasive and Professional language in speech and writing in a better manner. • To demonstrate advanced Interpersonal Communication, Business Etiquette, and Relationship Building Skills. • Communicate effectively across Cultures and to a wide range of different Business Audiences (Managers, Clients, Customers, Colleagues).
BBA SEMESTER-5	
BBA 301 Income-tax Law and Practice	<ul style="list-style-type: none"> • Comprehensive knowledge of Direct Taxes Laws. • Ability to compute the total income and tax liability of an individual. • Learn about various deductions and eligibility to avail various deductions
BBA 303 Production and Operations Management	<ul style="list-style-type: none"> • Classify the functions and scope of production management. • Demonstrate production planning and control. • Identify the importance and functions of materials management.

	<ul style="list-style-type: none"> • Apply the techniques of materials planning. Analyze the procedures and principles of purchasing
BBA 305 Services Marketing	<ul style="list-style-type: none"> • Ability to assess the importance of service marketing in Indian Economy. • Knowledge of the role of employees and customers in the service business. • Skill to plan the training and development programs in service business.
BBA 307 Entrepreneurship Development	<ul style="list-style-type: none"> • Classify the types and characteristics of entrepreneurs. • Develop entrepreneurship development programs. • Apply the methodology of business plans. • Analyse the support of financial institutions. • Examine sickness in industries
BBA 309 Goods and Services Tax	<ul style="list-style-type: none"> • Acquaintance of understanding the concept of GST in India • Examine the reasons for the replacement of all indirect taxes with GST.
BBA SEMESTER-6	
BBA 302 Project Management	<ul style="list-style-type: none"> • Provide basic knowledge about Project Management including Concept, Nature of Project Planning and Evaluation. • Provide knowledge about determinants and development of Projected Cash Flow Statement and Projected Balance Sheet • Provide knowledge about Risk and Uncertainty Analysis.

	<ul style="list-style-type: none"> Define Project and Project Management as empirical phenomena and a field of Research.
BBA 304 Digital Marketing	<ul style="list-style-type: none"> To create an understanding of the concepts and techniques of internet and digital marketing. To enhance knowledge about digital promotion techniques. To understand the online buyer behavior and models.
BBA 306 International Business Management	<ul style="list-style-type: none"> Understand the concept of International Business, its origin and the Drivers to International Business Understand how to achieve and sustain International Competitive Advantage through different sources. Understand the concept of Globalization and Technology and their impact upon the International Business. Develop an understanding of Nature and Importance of International Business. □ Understand the Strategic Management process involving understanding of different. Corporate Level Strategies and Strategic Business Unit Level Strategies that are used for achieving global Competitive Advantage.
BBA 308 Business Policy & Strategy	<ul style="list-style-type: none"> Understand the nature, scope and dimensions of the business policy and strategy management process. Exploring from different perspectives and concepts in the field of Strategic management. Understand the principles of strategy formulation,

	implementation and control in organization.
--	---

2. BACHELOR OF COMPUTER APPLICATIONS (B.C.A)

2.1 Programme Outcome (PO)

On the successful completion of B.C.A programme, students will be able to:

Adequate subject knowledge

- Student should be able to apply knowledge of Mathematics, Programming languages, Software Engineering, and Technical communication to update him with current technology.
- Apply the knowledge of DBMS, Oracle, and SQL Server in order to get good command on database designing and development.
- Demonstrate understanding of concepts of theoretical papers like Computer Networks, Mobile Computing, Data Ware Housing & Data Mining and E-Commerce.

Decision making & problem-solving Skills/ Critical thinking

- Students should be able to apply basic knowledge, analyze and synthesize information, access the value of information and communicate effectively.
- Students should be able to apply critical thinking, and logical skills for real time applications.

Communication Skills / Team Spirit/ Managerial & Ethical skills

- Students should be able to function effectively as an individual team member in different work cultures.
- Students should be proficiently able to articulate management skills effectively to match the needs of a varied audience.
- Students should be able to apply Professional ethics & values in IT solutions.

Global perspective/ Satisfy the demand of Industry

- Students should be able to demonstrate his technical skills to fulfill the requirements of the industry at the national as well as International level.
- Students should possess an aptitude for mathematics, the ability to learn and memorize programming languages, the ability to handle multitasking, and solid be able to programming skills to meet the current standard of Industry.

2.2 Programme Educational Objectives (PEOs)

To produce employable IT workforce, that will have sound knowledge of IT and business fundamentals that can be applied to develop and customize solutions for simple applications. The BCA Programme is designed with the following specific objectives.

- Graduates will have successful technical or professional career.
- Graduates will continue to learn and adapt in a world of constantly evolving technology.
- Graduates will be able to evaluate current and emerging technologies.
- Graduates will be able to assess IT impact on individuals, organizations, and the environment.

2.3 Course Outcome (CO)

Course	Course Outcome
BCA SEMESTER-1	
BCA 101 Mathematics-I	<ul style="list-style-type: none"> • Learn to solve integrals and differential equations. • Understand the Concepts of Matrices and linear equations. • Demonstrate an understanding of relations and functions and be able to determine their properties. • Be able to understand logical arguments and logical

	<p>constructs. Have a better understanding of sets, functions, and relations.</p> <ul style="list-style-type: none"> To provide basic knowledge of statistical techniques as are applicable to business. Use the characteristics, data and methods of statistics.
BCA 103 Technical Communication	<ul style="list-style-type: none"> To have basic understating of Communication in organizations and the importance of formal and informal communication. Explain the proper usage of correct English language. To improve oral as well as written communication skills. To learn about conducting interviews, formal meeting, project presentations. To understand the importance of listening, language and negotiating skills
BCA 105 Introduction to Programming Language using C	<ul style="list-style-type: none"> Apply problem solving techniques, design algorithms and flowcharts Develop a working knowledge of the C language and its uses, characteristics, and capabilities that can be converted into modular, structured C programs. Use libraries of C functions, use arrays and structures to organize data, understand pointers, Read and write data to and from files.
BCA 107 Introduction to Computers & IT	<ul style="list-style-type: none"> Understand basic concepts and terminology of information technology, personal computers and their operations. Hands-on experience on MS-Word, MS Excel, to create useful spreadsheet applications like tabulated statements, balance sheets, statistical charts, business statements, etc. and MS PowerPoint package depict

	<p>the skills in making an effective presentation with audio and video effects. • Describe flowcharts, block diagrams etc., using the drawing tools available in MS Word or MS Power Point and incorporate them into documents and presentations</p>
BCA 109 Physics	<ul style="list-style-type: none"> • Demonstrate a rigorous understanding of the core theories & principles of physics, which includes Laws of Motion, friction, work, energy, power, and electromagnetism, Structure of atom, semiconductor, and transistor. • Provide knowledge about material properties and its application for developing technology to ease the problems related to society. • Comprehend the set of physical laws, describing the motion of bodies, under the influence of system of forces. • Understand the relationship between particles & atom, as well as their creation & decay, the structure of atoms & subatomic particles. • Understand different types of energies existing the nature. • Analyze the applications of mathematics to the problems in physics & develop suitable mathematical methods for such application & for formulation of physical theories.
BCA 151 C LAB	<ul style="list-style-type: none"> • Understand the logic and design a flowchart, and write an algorithm for a given problem. • Gain experience of procedural language programming, know the steps involved in compiling, linking and debugging the C code. • Students are made aware about how to use & create their own header files.

		<ul style="list-style-type: none"> • Learn the methods of iteration or looping and branching. • Make use of different data-structures like arrays, pointers, structures and files. • Understand how to access and use library functions. • Learn functions, user defined functions, pointers. • Write programs to print output on the screen as well as in the files.
BCA 153 IT LAB		<ul style="list-style-type: none"> • IT Lab focuses primarily on Windows and MS-Office, which will enable the students in crafting professional word documents, PowerPoint presentations, excel etc. • To Use Microsoft Office programs to create personal, academic and business documents following current professional and/or industry standards. • To familiarize the students in preparation of documents like Resume, Poster, Blog, Tables, Mail merge etc. • Apply skills and concepts for basic use of computer hardware, software, networks, and the Internet in the workplace and in future courses. • To make them acquainted with Excel which is one of the basic tools for data analytics
BCA COMMUNICATION SKILLS	155	<ul style="list-style-type: none"> • To enable the learner to communicate effectively and appropriately in real life situation. • To use English effectively for study purpose across the curriculum. • To revise and reinforce structure already learnt. • To develop and integrate the use of four language skills: a) Reading b) Writing c) Listening d) Speaking

	<ul style="list-style-type: none"> ✚ Reading Skills- Ability to read English with understanding and decipher paragraph patterns, writer techniques and conclusions. ✚ Writing Skills- Skill to develop the ability to write English correctly and master the mechanics of writing the use of correct punctuation marks and capital letter. ✚ Listening Skills- Ability to understand English when it is spoken in various contexts. ✚ Speaking Skills- Develop the ability to speak intelligibly using appropriate word stress, sentence stress and elementary intonation patterns.
BCA SEMESTER-2	
BCA 102 Mathematics – II	<ul style="list-style-type: none"> • Defining sets, relations and functions • Associating the basic concepts with applications and different operations • Learning the methods and basics of lattices and graphs and implementing for solutions of different problems. • Examining degrees of graphs and coloring of graphs. • Implementing propositional logic for examining the solutions with different operations.
BCA 104 Principles of Management	<ul style="list-style-type: none"> • Providing insight about the concept of Management, its principles, Process and levels • Understand various theories of management and its applicability • Acquainted about the steps- Planning and organizing in detail • Aware about the steps involved in management-

	<p>Staffing, directing and controlling and the various theories associated with them using relevant examples and case studies.</p> <ul style="list-style-type: none"> Develop understanding among students on the need of understanding human behaviors and the models associated with OB.
BCA 106 Digital Electronics	<ul style="list-style-type: none"> Design any circuit diagram using basic logic gates and Universal gates. Implementing & simplifying any Boolean equation using different methods. Gain knowledge between different types of number systems, and their conversions. Understand, analyze and design various combinational and sequential circuits. Designing of conversion circuit from one Flip Flop to another. Design different types of counters. Understand the programmable logic devices and various memory devices.
BCA 108 Data Structures using C	<ul style="list-style-type: none"> Understanding the use of basic data structures along with their applications To summarize algorithms and algorithm correctness. Ability to execute searching and sorting techniques on data To implement stack, queue and linked list operation. To describe tree and graphs concepts
BCA 110 Database Management System	<ul style="list-style-type: none"> Ability to identify and link user needs and take them into account in the selection, Creation, evaluation and administration of computer-based systems. Understand database concepts and structures and

	<p>query language</p> <ul style="list-style-type: none"> • Understand the E R model and relational model • To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modelling, designing, and implementing a DBMS. • Understand Functional Dependency and Functional Decomposition. • Understand the principles of storage structure and recovery management
BCA 154 DBMS Lab	<ul style="list-style-type: none"> • Transform an information model into a relational database schema and to use a data definition language and/or utilities to implement the schema using a DBMS. • Use an SQL interface of a multi-user relational DBMS package to create, secure, populate, maintain, and query a database. • Formulate query, using SQL, solutions to a broad range of query and data update problems. • Creating Database and applying its attributes • Linking relational database with different file system • Using SQL commands for creating and manipulating database
BCA 156* Cyber Ethics	<ul style="list-style-type: none"> • Students identify and analyze statutory, regulatory, constitutional, and organizational laws that affect the information technology professional. • Case law and Common law to current legal dilemmas in the technology field. • Diverse viewpoints to ethical dilemmas in the information technology field and recommend appropriate actions.

	<ul style="list-style-type: none"> Cases related to cyber security and breaches will be discussed
BCA SEMESTER-3	
BCA 201 Mathematics-III	<ul style="list-style-type: none"> Learn to solve integrals and differential equations. Understand the Concepts of Matrices and linear equations. Demonstrate an understanding of relations and functions and be able to determine their properties, when a function is 1-1 and "onto". Able to construct simple mathematical proofs. Understand logical arguments and logical constructs. Have a better understanding of sets, functions, and relations.
BCA 203 Computer Architecture	<ul style="list-style-type: none"> Students will demonstrate knowledge of digital logic analysis and design, instruction execution techniques. Understand the theory and architecture of central processing unit. Analyze some of the design issues in terms of speed, technology, cost, performance. Learn the concepts of parallel processing, pipelining and inter processor communication. Understand the architecture and functionality of central processing unit.
BCA 205 Front-end Design Tool VB. net	<ul style="list-style-type: none"> Understand .NET Framework and some of the major enhancements to the new version of Visual Basic. Describe the basic structure of a Visual Basic.NET project and use features of the integrated development environment (IDE), Develop GUI application using form controls and its events

		<ul style="list-style-type: none"> Learn to use Data Access controls to connect our application to RDBMS and perform data retrieval and manipulation.
BCA 207 Principles of Accounting		<ul style="list-style-type: none"> Familiarize students with basic theory, concepts and practice of financial accounting. Enable students to explain and apply accounting principles, concepts, conventions and standards. Record basic accounting transactions in journal, post them to ledger and prepare and analyze annual financial statements. Understand the concept and application of various depreciation methods. Understand the meaning of inventory and different methods of inventory valuation.
BCA 209 Object Oriented Programming using C++		<ul style="list-style-type: none"> Understand the features of C++ supporting object oriented programming, merits of C++ over C Discuss the object-oriented concepts to implement object oriented programs in C++, encapsulation, inheritance and polymorphism Explain stream I/O, templates and operator overloading Improve problem solving skills
BCA 251 PROGRAMMING IN VB.NET LAB		<ul style="list-style-type: none"> Design a Window based projects and Console based project using different controls. Understand and implementation of Array List, Enumerations and procedures in our project. Design Structure and implements structure keyword in VB.Net Understand the different types of data connection which used to provide facility to connection between

	console and window-based application.
BCA 253 OOPS USING C++ LAB	<ul style="list-style-type: none"> • Understand about class and object in C++. • Implement constructor and destructor in C++. • Conceptualize the concept of inheritance. • Implement File handling • Understand and Implement a virtual function, templates, functions, constructor, copy constructor, etc. • Understand and implements templates using a simple program in C++.
BCA 255* Software Development Skills	<ul style="list-style-type: none"> • To learn languages to code front end and back end of a software. • To initiate into the process of designing, coding and testing a software module. • To develop a complete software module. • To apply Software Development Cycle to develop a software module. • Ability to use the techniques, skills, and modern engineering tools necessary for software development. • • Develop a software product along with its complete documentation.
BCA SEMESTER-4	
BCA 202 Mathematics-IV	<ul style="list-style-type: none"> • Understand the Concepts of Permutation and Combination with example. • Application of Binomial Theorem • Applications of Probability, Conditional Probability, and Baye's Theorem • Understand the meaning of Mean & Standard Deviation with examples.

	<ul style="list-style-type: none"> • Discussion of Mathematical Expectation with examples.
BCA 204 Web technologies	<ul style="list-style-type: none"> • Understand the concept and architecture of Internet & www. • Learning the concepts of Web-site, Search Engines, URLs, Web Portal and Browsers will establish a sound basis of working and execution process of web site. • Designing and implementing a static web page using various tags along with their attributes in HTML. • Understand the concept using scripting language JavaScript. Highlighting built in & user defined functions in JavaScript will be helpful in implementing the dynamic webpages validating the data, and handling events. • Illustrating the benefits of CSS would result in incorporating style sheet in number of webpages. • Building dynamic website with CSS, DHTML and XML
BCA 206 Java Programming	<ul style="list-style-type: none"> • Identify real world problems and finding the possible solutions using object oriented paradigms. • Interpreting the problems and understand to frame the solutions using java syntax. • To execute applications using concept of exception handling, multithreaded applications with synchronization. • To co-relate the concepts and implement the same for developing GUI based applications using AWT and Swing. • Reflecting the knowledge and also develop socket

	<p>based applications using java.net package that works on different machines.</p> <ul style="list-style-type: none"> Solve problems by connecting java program with any RDBMS and perform insert, update, delete and select operations.
BCA 208 Software Engineering	<ul style="list-style-type: none"> Annotating languages to code front end and back end of the software. Exemplifying into the process of designing, coding and testing a software module. Analyzing a complete software module. To apply Software Development Cycle to develop a software module. Annotating to use the techniques, skills and modern engineering tools necessary for software development. Analyzing a software product along with its complete documentation
BCA 210 Computer Networks	<ul style="list-style-type: none"> The students will be exposed different types of media, multiplexing, switched networks, the Internet, TCP/IP Suite, fiber-optic communications and the state-of-art networking applications. Various transmission media, different topologies, channel error detection and correction, MAC protocols, Ethernet and WLAN. Details of IP operations in the Internet and associated routing principles. Describe the basis and structure of an abstract layered protocol within a simulated networking environment. Demonstrate an understanding of the significance and purpose of protocols and standards and their key

	<p>elements and use in data communications and networking.</p> <ul style="list-style-type: none"> • Have clear understanding of the basic concepts of data communications including the key aspects of networking and their interrelationship, packet switching, circuit switching and cell switching as internal and external operations, physical structures, types, models, and internetworking. • Understand the role of digital communications devices in a data communications network.
BCA 252 JAVA LAB	<ul style="list-style-type: none"> • Understand programming language concepts, particularly Java and object-oriented concepts. • Write, debug, and document well-structured Java applications • Implement Java classes from specifications and effectively create and use objects from • predefined class libraries • Understand the behavior of primitive data types, object references, and arrays • Apply decision and iteration control structures to implement algorithms • Implement interfaces, inheritance, and polymorphism as programming techniques and apply exceptions handling. • Apply JDBC to provide a program level interface for communicating with database using java programming
BCA 254 WEB TECHNOLOGIES LAB	<ul style="list-style-type: none"> • To learn about various technologies those are used to develop web pages and their layout practically. • Students will be exploring HTML, the most basic

	<p>platform and to create static web pages</p> <ul style="list-style-type: none"> Enhancing the look of a webpage using cascading style sheets inclusion into web pages. (CSS), various types of CSS inclusion, implement the CSS inclusion using various selectors. Interlinking of webpages. Learn the processing concepts involving scripting language, JavaScript. Basic program designing using JavaScript to enhance a webpage with the inclusion of processing capabilities. Function designing in JavaScript. Understanding the concept of DHTML and its features. Conversion of a static website into dynamic website. Understand XML basics
BCA 255* Software Development Skills	<ul style="list-style-type: none"> To develop Communication skills and positive personality traits. To help students to groom their personality. To help students to convey themselves in a mature manner when they interact with people. To help students to present in individual or in group class presentations to enhance personality skills.
BCA SEMESTER-5	
BCA 301 Operating System	<ul style="list-style-type: none"> To understand basic knowledge of an operating system and it's functionalities. To understand the services provided by an operating system. To understand different types of modern operating systems and its applications. To understand the difference between process and thread, issues of scheduling of processes and threads.

	<ul style="list-style-type: none"> To understand the use of locks and semaphores for synchronizing process and threads. To understand the concept of deadlock and how to implement them in a multiprogramming environment. To understand the concept of memory management and file system. To understand the types of I/O management, disk scheduling, protection and security problems faced by operating systems and how to minimize these problems.
BCA 303 Computer Graphics	<ul style="list-style-type: none"> Critical understanding of the theory of 2D and 3D transformations, projection and viewing. Understanding of how to project figures on screen with the help of coding. Understanding graphical curves and clipping. Detailed knowledge of the graphics pipeline Detailed knowledge of shading and texture mapping algorithms Broad knowledge of 3D modeling and rendering techniques Ability to understand, design and implement scene graphs
BCA 305 E-Commerce	<ul style="list-style-type: none"> The core concept of Ecommerce and its types, Make students familiarized with technologies for Ecommerce. Make them understand different ways of Online Payment systems. Understand Selling and marketing on web. Familiarize them with the concept of E-business and E-business Revenue generation Models.

	<ul style="list-style-type: none"> • Understand various E-business Strategies. • Ways of Paying online • Cyber Securities – Cryptography, SSL, HTTPS, etc.
BCA 311 Advanced Computer Network	<ul style="list-style-type: none"> • Build a network. • Uses of encoding. • Creating Links in network. Concept of Multicasting. • Applications of Switching, bridging & Routing. • Concept of Multiplexing & Demultiplexing. • Concept of Routing among mobile devices. \ • Concept of Cryptography. • Explain congestion control & congestion control Avoidance mechanisms. • Methods of intrusion detection.
BCA 313 Web-Based Programming	<ul style="list-style-type: none"> • Design and implement a basic website. • Implement different navigation strategies. • Develop simple back-end database and connectivity to support a website. • Sending query to database, parsing of the query results, checking data errors. • Files operations on the server. • Recognize and evaluate website organizational structure and design elements.
BCA 351 COMPUTER GRAPHICS LAB	<ul style="list-style-type: none"> • To develop best possible figure with closest precision to ideal figure with the help of mathematical algorithms using C language. • Apply mathematics and logic to develop Computer programs for elementary graphic operations Practical using built in functions as well as creating own functions to generate graphics.

	<ul style="list-style-type: none"> • Generation algorithms and clipping algorithms. • Develop the competency to understand the concepts related to Computer Vision and Virtual reality • Apply the logic to develop animation and gaming programs • Discuss various algorithms for scan conversion and filling of basic objects and their comparative analysis. • Use of geometric transformations on graphics objects and their application in composite form. • Explore projections and visible surface detection techniques for display of 3D scene on 2D screen.
BCA 355 SUMMER PROJECT/ TRAINING	<ul style="list-style-type: none"> • Discover potential research areas in the field of IT. To introduce students to the vast array of literature available of the various research challenges in the field of IT. • To enable students to create very precise specifications of the IT solution to be designed. • To create awareness among the students of the characteristics of several domain areas where IT can be effectively used. • To offer students a glimpse into real world problems and challenges that need IT based solutions. • Formulate and propose a plan for creating a solution for the research plan identified • To report and present the findings of the study conducted in the preferred domain
BCA 357 MINOR PROJECTS	<ul style="list-style-type: none"> • To offer students a glimpse into real world problems and challenges that need IT based solutions • To enable students to create very precise specifications of the IT solution to be designed.

	<ul style="list-style-type: none"> • Use all concepts of IT in creating a solution for a problem • Formulate and propose a plan for creating a solution for the research plan identified • To report and present the findings of the study conducted in the preferred domain • To improve the team building, communication and management skills of the students. • Compare and contrast the several existing solutions for research challenge • Demonstrate an ability to work in teams and manage the conduct of the research study.
BCA SEMESTER-6	
BCA 302 Data Warehousing & Data Mining	<ul style="list-style-type: none"> • Understand about basic information of a data warehouse and its development. • Basic conceptual background necessary to design and develop data warehouse applications with dimensional modeling. • OLAP technology and its various operations. • Basic data mining principles. • Identify appropriate data mining algorithms to solve real world problems. • Compare and evaluate different data mining techniques like classification, prediction, clustering and association rule mining. • To understand complex data types with respect to spatial and web mining.
BCA 304 Mobile Computing	<ul style="list-style-type: none"> • Applications of wireless communications. • Uses & Applications of Multiplexing. • Application of Modulations. • Concept of Multicasting.

	<ul style="list-style-type: none"> • Applications & descriptions of Spread spectrum. • Concept of Multiplexing & De-multiplexing. • Descriptions of near/far & hidden exposed terminal. • Uses & applications of Aloha. • Descriptions of Multiple accesses with collision avoidance. Applications of GSM: Mobile services, System architecture • Satellite systems: History, Applications, and Basics: GEO, LEO, MEO, Routing, Localization, Handover.
BCA 306 Linux Environment	<ul style="list-style-type: none"> • Gain extensive knowledge on principles and modules of operating systems. • Understand key mechanisms in design of operating systems modules. • Understand process management, concurrent processes and threads, memory management, virtual memory concepts, deadlocks. • Compare performance of processor scheduling algorithms - produce algorithmic solutions to process synchronization problems. • Use modern operating system calls such as Linux process and practice with operating system concepts such as process management, synchronization, networked processes and file systems.
BCA 312 Artificial Intelligence	<ul style="list-style-type: none"> • Identifying Machine intelligence is popularly known as Artificial Intelligence. Choosing Problem, problem space and search. Summarizing the importance of AI, related fields and AI techniques. At last, Comparing Heuristic Search techniques. • Defining Knowledge and various approaches used in knowledge representation. Using Predicate Logic

	<p>explaining Facts in logic and computable function.</p> <ul style="list-style-type: none"> • Presenting Natural language processing and learning as well as comparing learning techniques • Presenting Expert system and executing LISP and other AI programming language.
BCA 352 LINUX LAB	<ul style="list-style-type: none"> • Install a Linux operating system with a custom partitioning scheme and log into and out of a UNIX/Linux computer system using graphical and command line environments. • Use UNIX/Linux command line (shell) commands to navigate and manage the UNIX/Linux file system, customize the user shell environment, use archiving and compression to back up files. • Use file name globing and regular expressions to find files and text in the system, manage user and group accounts and permissions, manage processes and jobs, redirect command input and output, schedule processes for execution. • Install and update software packages using graphical and command line utilities, locate and identify hardware device files in the UNIX/Linux system, configure and manage hardware devices connected to UNIX/Linux system. • Write shell scripts to automate tasks including decision and repetition structures using a text editor such as vi.
BCA 356 MAJOR PROJECT	<ul style="list-style-type: none"> • Design and implement a website. • Implement different navigation strategies. • Develop back-end database and connectivity to support a website.

	<ul style="list-style-type: none"> • Sending query to database, parsing of the query results, checking data errors. • Files operations on the server. • Recognize and evaluate website organizational structure and design elements
BCA 358 SEMINAR	<ul style="list-style-type: none"> • Expose the student to the benefits and expectations of academic success. • Students will be introduced to Research and will be encouraged to write a research paper by the end of the semester. • Help the student increase self-motivation, personal responsibility, and understanding of his or her role in being an informed participant in the educational process. • Explain the role of self-efficiency, personal goals, and motivation in improving academic life. • Describe the behaviors and characteristics of an effective learner. • Create Self-Awareness Assessment • Help student increase Grit, Goal Setting, and Motivation

3. BACHELOR OF COMMERCE (B.COM(H))

3.1 Programme Outcome (PO)

On the successful completion of B.COM(H) programme, students will be able to:

- Demonstrate ability to perform effectively as a team leader or team member for the achievement of defined organizational goals.

- Develop the diverse potential skills and competencies for managing businesses and entrepreneurial ventures.
- Acquire pre-requisite knowledge and skills to effectively accomplish visionary companies through creativity and strategic innovation.
- Develop an understanding of accounting, financial modeling, law and management principles to understand and analyze socio-political-economic environment of business.

3.2 Programme Educational Objectives (PEOs)

- **Business Acumen:** Applied knowledge of accounting principles, economic policies, and business laws help in developing students' business acumen in detailed areas of the corporate world. The course's domain includes a progressive study of economics, business studies, accounts, and their management, accounting of expenditure, management of resources, learning business relations, and management of trade flow, among many others.
- **Professional Competence:** This area of learning emphasizes developing analytical skills and offers a solid foundation and professional competence in all facets of accounting. Also, it prepares students for an expert qualification in taxation, finance, and accounting. It also provides a strong base in the field of Taxation, Accounting, and Finance, thus making it easier to acquire leadership / managerial qualities which are essential in the financial sector.
- **Technical and Operational Efficiency:** In-depth knowledge about the fundamentals of management basics of company law, corporate accounting, elementary knowledge of cost accounting, banking, and financial system, educate students to handle numerous financial activities related to Banking and other financial sectors and operate professionally in the financial service sector, along with managing various technologies employed in the field of Banking and other financial areas.
- **Research Orientation:** This curriculum involves concentrated study, ending up with the completion of a research-based project. One of the major objectives of the course is to prepare students for effectively operating in, and contributing to the modern business-minded world. It also trains students for pursuing progressive research in this particular discipline. The course's curriculum consists of both theoretical and practical components of study.

- **Holistic Development:** Program provides exposure to students to the up-to-date trends in relevant divisions of knowledge, competence, and creativity to face modern-day global challenges. Subjects like Business Communication and Managerial Personality Development nurture the nature of the students. This course also equips students with advanced learning in IT and online business practices of organizations, prevailing in today's world. It also enlightens the students about the procedures involved in managing and growing a business online. With the internet becoming a household name, E-Commerce is gaining popularity at a quick pace. Business transactions that take place over the internet are referred to as E-Commerce transactions.
- **Socially Responsible Citizens:** Knowledge of Business Ethics and Corporate Social Responsibility is very important for an individual to thrive in today's business-minded world. This study inculcates a sense of civic responsibility, social commitment, and moral accountability amongst the students through social activities with exposure to human rights, value systems, culture, heritage, scientific temper, and environment.

3.3 Course Outcome

Course	Course Outcome
B.COM(H) SEMESTER-1	
B. COM 101-Management Process and Organizational Behavior	<ul style="list-style-type: none"> • Identifying and learning about the major environmental influences and constraints on how the business functions in general. • Recognizing the principles of authority, leadership, the behavior of individual and team, and motivation of team in search of extensive departmental and organizational goals and objectives. • Understanding the managerial and organizational behavior of individuals as well as groups, concepts associated with constant improvement in individual and group progressions. • Practical use of management and organizational behavior

	<p>studies which will produce organizational effectiveness, competence, and human resource development.</p> <ul style="list-style-type: none"> Comprehend and explore themselves and other people at work and will be able to learn how to create cooperative workgroups at workplaces and become efficient employees in all spheres of managerial work they do in the future.
B COM 103- Financial Accounting	<ul style="list-style-type: none"> Learning the accounting process of recording, classifying, and summarizing transactions. Understanding the significance of different accounting concepts and conventions and gaining knowledge about the accounting standards issued by ICAI. Identification and application of principles and regulations relating to financial accounting and the preparation of financial statements for both, profit and non-profit organizations. Learning rectification of errors, causes of difference, and preparation of bank reconciliation statements. Critical analysis and interpretation of case information and be able to grow a convincing argument to present their views on relevant accounting issues
B COM 105 - Micro Economics	<ul style="list-style-type: none"> Understanding the basic concept of economics, analyzing the essential economic problems, comprehending the complex business situations identifying the tools and methods provided by economics to resolve the problems. Examine consumer behavior and infer consumer decision-making choices in terms of the utility of the product and the consequential demand for the product and services. Interpret the relationship between different types of cost and revenue and decide the most relevant level of

	<p>production.</p> <ul style="list-style-type: none"> Identify different factors of production, examine reasons for economies and diseconomies of scale and determine the best-suited level of production. Define the features of various types of markets and interpret the price and output under different market conditions
B COM 107- Business Communication	<ul style="list-style-type: none"> Conceptual and theoretical understanding of the basics of business communication. Certify efficient written communication in the business environment. Learning to Work and present in both, groups as well as individually. Comprehend individual and group behavior and understand the importance of better interpersonal skills. Draft organized business messages and improved resumes and cover letters.
B COM 109- Computer Application	<ul style="list-style-type: none"> Learning the basics about the fundamentals of a computer system, the input-output devices, memory, software, operating systems, and windows. Have practical experience with various application softwares used for office automation like MS-Word, MS-Excel, and MS-PowerPoint. Learn day-to-day problem solving, particularly for creating business-related documents, data analysis, and graphical depictions. Comprehend the central hardware components that make up a computer's hardware and the part of each of these components. Learn the application of IT in various industries like banking, railways, airlines, financial system, health, education, etc.

	<ul style="list-style-type: none"> Realizing the issues related to the security of information technology and various ways of dealing with it.
BCOM(H) SEMESTER-2	
B COM 102- Business Mathematics	<ul style="list-style-type: none"> Practical application of Mathematical knowledge (algebra, matrices, calculus, optimization) in answering business problems. Demonstration of the usage of mathematical techniques with an emphasis on business applications. Recognize the relevance and value of mathematical thinking, training, and approach to problem-solving, in the modern business-driven world. Learn to connect theoretical knowledge into practical application and recognize the massive role mathematics plays in all surfaces of the business world. Demonstrate mathematical skills required in mathematically intensive areas in commerce such as Finance and Economics.
B COM 104- Business Laws and Company Laws	<ul style="list-style-type: none"> Abstract knowledge and skills in the understanding of the overall legal framework, and of specific legal areas relating to business. Define and enlighten how companies are managed, administered, and regulated and identify the vital elements of the legal system including the main sources of law. Identify the legal implications involving the companies in difficulty or in crisis. Identify the formation of a contract and its importance while making an agreement. Spot the rights of buyer and seller, conditions & warranties, passing of property rules and understand and demonstrate the contract during the formation of a

	partnership.
B COM 106 - Macro Economics	<ul style="list-style-type: none"> Classify and define economic concepts and theories relating to macroeconomics and associated with the behavior of economic agents, markets, industry, and structure of the firm legal institutions, social norms, and government policies. Incorporate theoretical knowledge with quantitative and qualitative evidence in order to explicate past economic events and express predictions on future ones. Assess the significance of economic activities and institutions for the individual as well as social welfare. Define the part of the Circular Flow of Income and National Income and its calculation. Understand the tools of monetary and fiscal policy and debate the role of Government in correcting economic disturbances.
B COM 108- Cost Accounting	<ul style="list-style-type: none"> Comprehend the simple concepts of cost accounting, its significance, usage of the concepts of cost in costing and pricing of products and activities and analysis of costs for the purpose of decision making. Apply inventory management tools and methods for efficient inventory control and assessment of financial analysis of inventory management and control. Understanding the need of labor cost control, various constituents of labor cost, labor turnover ratios and various incentive schemes. Preparation of cost estimates for distribution and allotment of overheads, cost calculation of products/services using overhead absorption rates to trace indirect costs to cost centers and custom of cost information for decision making. Application of traditional and contemporary methods to

	product costing in unit, job, contract process and operating (transport) costing environments.
B COM 110- Business Studies	<ul style="list-style-type: none"> Label the elementary structure and important features of various business organizations namely: sole proprietors, partnerships, limited liability companies, co-operatives, franchises, public corporations, government departments, local authorities and private-public partnerships. Inculcate an understanding of business that imitates the moral responsibility of management to all significant stakeholders and the natural environment. Identify the role of the government in organizational activities and its effect on decision making. Distinguish the importance of numerous sources of finance and role of financial markets for the expansion of the business. Gain comprehensive knowledge of financial organizations present in India and their role for development of business activities.
BCOM(H) SEMESTER-3	
B COM 201- Marketing Management	<ul style="list-style-type: none"> Take marketing decisions in the perspective of general management. Regulate the elements of the marketing mix—fulfil customer wants and understand the process and usage of segmentation, targeting and positioning. Grow an understanding of how marketing initiatives by business enterprises and organizations influence society and the economy. Showcase knowledge of the strategic and tactical use of the key decision-making knowledge of marketing used by organizations. Establish knowledge of traditional and digital channels of

	<p>distribution and understand the uses of traditional and digital promotional procedures.</p>
<p>B COM 203- Management Accounting</p>	<ul style="list-style-type: none"> • Examine and understand the financial data in order to help management in decision making, policies, strategies and controlling the organization successfully. • Grow knowledge and understanding of ways to formulate and process simple cost and quantitative information. Support management in planning and decision-making in multiple business circumstances. • Clarify the nature, source and purpose of management information and apply cost accounting techniques, arrange budgets for planning and control. • Match actual costs with standard costs and examine any alteration and apply performance measurements and observe business performance.
<p>B COM 205- Human Resource Management</p>	<ul style="list-style-type: none"> • Classify the prominence of human resources and their operational management in organizations. Determine a basic understanding of various tools used in forecasting and planning human resource requirements. • Investigate the key issues related to managing the human elements such as motivation, compensation, appraisal, career planning, diversity, ethics, and training. • Analyze the importance of recruitment and selection in relation to the firm's business and HRM purposes. This includes representing the suitable usage of job descriptions, application forms and related staffing gears such as internet recruiting. • Develop, scrutinize and apply advanced training policies and specifications for the delivery of training programs.
<p>B COM 207 - Business</p>	<ul style="list-style-type: none"> • Comprehend the moral implications of business policies

<p>Ethics and Corporate Social Responsibility</p>	<p>and decisions. Grow the necessity of various perceptions of CSR in the business world.</p> <ul style="list-style-type: none"> • Take well-versed, concrete judgments based upon knowledge of comprehensive ethical principles and motivations. • Outline governance and explain its purpose in the effective management and control of organizations and capitals for which they are responsible. • Implement specialized value and judgment through an ethical outline that is in the greatest interests of society and the profession, in obedience with relevant professional codes, laws and regulations.
<p>B COM 209- Business Statistics</p>	<ul style="list-style-type: none"> • Have a steady understanding of the fundamentals of statistics and its use to analyze and generate an edge for the organization. Use the analytical practices in business transactions that would assist in making effective business decisions. • Recognize basic statistical notions, tabular and graphical presentation of data, measures of central tendency, dispersion, skewness, kurtosis etc. and apply discrete and continuous probability distribution to various business problems. • Understand the power and direction of linear relationship between variables and to forecast the changes in one variable due to the other variables. • Outline and acquire the concept and applications of index numbers and time series in business decision making.
<p>B COM 211- Computerized Accounting Software (TALLY)</p>	<ul style="list-style-type: none"> • Comprehend the functioning with distinguished multi-lingual business, accounting and inventory management software i.e. Tally ERP.

	<ul style="list-style-type: none"> • Appreciate not just the theoretical knowledge but also the practical knowledge which prepare them with necessary skills for employability in the job market. • Utilize this entirely integrated, and highly trustworthy software exclusively to meet the requirements of small and medium businesses. • Create company, enter accounting voucher entries including advance voucher entries, do reconcile bank statement, accrual adjustments, and also print financial statements, etc. in Tally ERP.9 software. Automate and integrate all the business operations, such as sales, finance, purchasing, inventory, and manufacturing
BCOM(H) SEMESTER-4	
B COM 202- Fundamentals of Financial Management	<ul style="list-style-type: none"> • Define the effects of decision making of finance manager on shareholders wealth maximization. Study the role of time value of money and its use for valuing asset and have a thorough understanding of financial statements be able to evaluate and analyze cash flows statements. • Understand and explain the investment, financing and dividend policy decision making in an organization. Recall different procedures in deciding the best alternatives out of various alternatives. • Appraise different capital budgeting methods and their applications. Examine the working capital needs and financing of the firm and apply methods to measure the operating efficiency of business.
B COM 204- Auditing	<ul style="list-style-type: none"> • Label the audit and other assurance engagements, corporate governance, internal and statutory audit, types of audit and objectives of audit. • Recognize risk assessment, audit planning,

	<p>documentation and audit evidence and describe internal control, internal check, test of control and other audit procedures.</p> <ul style="list-style-type: none"> • Discuss the finalization of audit report and types of audit report and explain vouching of trading transaction, verification and valuation of assets & liabilities. • Explain the qualification, rights, duties and liabilities, professional ethics of an auditor. Summarize audit report and latest trends in Auditing Information System.
B COM 206- Corporate Accounting	<ul style="list-style-type: none"> • Apply the requirements of Companies Act for issue, forfeiture and reissue of shares. • Prepare final accounts of corporate entities. Create consolidated balance sheet of amalgamated company (merger and purchase method). • Construct consolidated balance sheet of holding company. Make use of relevant schedules (New Format) to prepare final statement of accounts of banking company.
B COM 208- Indian Economy	<ul style="list-style-type: none"> • Develop ideas of the elementary features of Indian economy and its potential on natural resources. • Understand the significance, causes and effect of population growth and its distribution, and translate and relate it with economic development. Gain knowledge of the overall economy, its features, sources of revenue, how the central and state government finance its programs and projects. • Understand agriculture as the basis of economic development and, analyze the growth and changing nature of agricultural sector and its input to the economy as a whole.

	<ul style="list-style-type: none"> Grasp the prominence of planning undertaken by the government of India, have knowledge on the various objectives, failures and accomplishments as the foundation of the ongoing economic reforms taken by the government.
B COM 210- Financial modeling	<ul style="list-style-type: none"> Acquaint with elementary to intermediate abilities for using Excel for business application. Hands on experience on MS Excel utilities related to business modeling. Generate answers for data management and reporting by organizing financial models and understand the usage of different functions in MS Excel for financial statement analysis and decision making. Perform multidimensional and what-if analysis using MS Excel to estimate trends and make capital budgeting decisions with the help of Excel functions. Develop the aptitude to utilize the essential functionality of excel in decision framework to solve managerial problems in the finance functions of the business.
B COM 212- Research Methodology	<ul style="list-style-type: none"> Comprehend the concept, importance & purpose of research. Identify a problem/ need, convert it into a research problem, and use the suitable techniques to define it. Recognize and understand the chief qualitative and quantitative methods of business study, their advantages, disadvantages and suitable application areas. Formulate testable hypotheses and select the most appropriate tools for testing them. Cultivate the ability to compute the research results to increase the sustainable development through numerous

	<p>software's. (SPSS, Advanced Excel).</p> <ul style="list-style-type: none"> Comprehend the role of research in structural decision making and business performance.
BCOM(H) SEMESTER-5	
B COM 301- Income Tax Law & Practices	<ul style="list-style-type: none"> Comprehend the elementary concept of income tax, functions of taxation and their rules and regulations. Advance knowledge and abilities relating to the Indian tax system as valid to individuals, single companies and group of companies. Explain and calculate the total income of individuals under five heads of income. Compute Income tax using numerous deductions and exemptions. File returns, payment of taxes and understand due dates for payments and filing.
B COM 303- Entrepreneurship Development	<ul style="list-style-type: none"> Gain understanding of the notions of Entrepreneurship and their development in all arrangements and shapes. Imbibe essentials of entrepreneurial abilities and competencies to provide the participants with essential inputs for creation of fresh ventures and develop entrepreneurial behavior among students. Apprehend the entrepreneurial procedure from idea generation, to concept expansion and creation of the undertaking. Understand entrepreneurial environment impacted by the social, economic, cultural & legal conditions. Identify and grow chances for an entrepreneur in an uncertain and stubborn environment and ways and means to minimize the external threats.
B COM 305- Information Systems Management	<ul style="list-style-type: none"> Cultivate theoretical understanding about most recent developments in the field of Information Technology and

	<p>the influence of I.T. in managing a business.</p> <ul style="list-style-type: none"> • Learn to use Information Technology to achieve competitive benefit in business. Record the present issues of information technology and relate those issues to the firm. • Reproduce a working knowledge of concepts and terminology related to information technology and analyze how information technology influences a firm. Describe the role of information technology and information system in business.
BCOM 313 Financial Markets and Institutions	<ul style="list-style-type: none"> • Understand the components of Indian financial system and major institutions. • Understand in detail the financial markets- capital market and money market • Know about the role and functioning of financial institutions • Understand about the types of Indian financial services
BCOM(H) SEMESTER-6	
B COM 302- Project Management (B COM 302)	<ul style="list-style-type: none"> • Own a complete, integrative view of Project Management and highlight the part of projects in modern day business organizations. • Grasp the scope, cost, timing, and quality of the project, at all times concentrated on project success as defined by project stakeholders. • Comprehend the arrangement of a project to the organization's strategic plans and business explanation throughout its lifespan. • Identify project objectives, restrictions, deliverables,

	<p>performance criteria, control needs, and reserve requirements in discussion with stakeholders.</p> <ul style="list-style-type: none"> Implement project management knowledge, processes, lifecycle and the embodied concepts, tools and techniques in order to achieve project success.
B COM 304- Goods & Services Tax (GST)	<ul style="list-style-type: none"> Apprehend all essentials of GST. Describe the philosophies of the GST and the related rules. Understand and illustrate the situations in which entities are obligated to get registered and are liable to pay GST. Understand application of GST in India. Learn and demonstrate the association of GST in Indian economy.
B COM 306- E- Commerce	<ul style="list-style-type: none"> Describe and distinguish several types of Ecommerce. Describe Hardware and Software Technologies for Ecommerce. Enlighten payment schemes for E-commerce. Define the course of Selling and Marketing on internet. Express and Label E-business and its Models and numerous E-commerce Strategies.
B COM 310- Environmental Sciences	<ul style="list-style-type: none"> Comprehend the importance and impact of environment on the economy counting the quality of manpower. Mobilize the resources and to take on environmental conservation approaches. Stimulate their feelings to make cleaner environment so as to attain harmonious development. And generate environmental consciousness among them. Classify potential environmental threats and deliver management solutions to similar problems. Establish the scientific management of waste materials and recognize the role and importance of individuals to keep the environment tidy.

BCOM 314 Introduction to Derivatives	<ul style="list-style-type: none">• Know the concept and application of equity derivatives• Get acquainted with Trading options• Understand the Regulatory framework and recent developments in derivative market.• Recognize the understanding about the Trading futures on stock exchange
---	--