

PROGRAM OUTCOMES OF COURSE (POs)

Degree Program	Outcome
Bachelor of Business Administration- BBA	<ol style="list-style-type: none"> 1. To develop precise understanding about the business environment and organizations. 2. To develop leadership aptitude among the students in order to work independently and in organized groups. 3. To inculcate among the students the qualities of a dynamic manager, capable of taking various decisions and communicating effectively to different groups of people. 4. To understand and gain knowledge of various financial institutions and agencies.
Bachelor of Business Administration (Computer Application) - BBA (CA)	<ol style="list-style-type: none"> 1. The objectives of the Programme shall be to provide a sound academic base from which an advanced career in Computer Application can be developed. 2. Conceptual grounding in computer usage as well as its practical business application will be provided.

PROGRAM SPECIFIC OUTCOMES OF COURSE (PSOs)

Degree Program	Outcome
Bachelor of Business Administration- BBA <ul style="list-style-type: none"> ● Finance ● Marketing ● Human Resource Management (HRM) 	<p style="text-align: center;">Finance</p> <ol style="list-style-type: none"> 1. Understand need of finance 2. Understand various sources of finance 3. Understand Internal and external sources of finance 4. Understand Capital Mix 5. Calculate the cost of debt, cost of equity and the Cost of Capital 6. Understand different tools used for financial statement analysis 7. Understand to obtain Cash Flow Understand to obtain Funds Flow <p style="text-align: center;">Marketing</p> <ol style="list-style-type: none"> 1. Understand the place and contribution of marketing to the business enterprise. 2. Describe major bases for segmenting consumer and business markets; define

	<p>and be able to apply the three steps of target marketing: market segmentation, target marketing and market positioning; understand how different situations in the competitive environment will affect choices in target marketing.</p> <ol style="list-style-type: none"> 3. Describe the major types of consumer buying behavior, the stages in the buyer decision process and completely outline the components of the marketing mix; identify how the firms marketing strategy and marketing mix must evolve and adapt to match consumer behavior and perceptions of the product (e.g., classification of products and services, brand image, price and value), the stage in the product life cycle and the competitive environment; summarize the importance of measuring and managing return on marketing. 4. Identify the roles of advertising, sales promotion, public relations, personal selling and direct marketing in the promotion mix; compare and contrast integrated marketing communications with a non-integrated approach to the promotional mix. <p style="text-align: center;">Human Resource Management</p> <ol style="list-style-type: none"> 1. Appreciate the importance of human resource management as a field of study and as a central management function. 2. Understand the implications for human resource management of the behavioral sciences, government regulations and court decisions. 3. Know the elements of the HR function (e.g. – recruitment, selection, training and development, etc.) and be familiar with each element’s key concepts & terminology; and 4. Apply the principles and techniques of human resource management gained through this course to the discussion of major personnel issues and the solution of typical case problems.
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COURSE OUTCOMES (COs)

Bachelor of Business Administration- BBA

FY.BBA (A.Y-2019-2020)

Sr. No.	Sub. Code	Sem I	Sr. No.	Sub. Code	Sem II
1	101	Principles of Management	1	201	Business Organization and System
2	102	Business Communication Skills	2	202	Principles of Marketing
3	103	Business Accounting	3	203	Principles of Finance
4	104	Business Economics (Micro)	4	204	Basics of Cost Accounting
5	105	Business Mathematics	5	205	Business Statistics
6	106	Business Demography and Environmental Studies	6	206	Fundamentals of Computers
7	-	Add on Course- Communication skill for managers	7	-	Add on Course- Certificate course in selected computer software

SEMI_I

Subject Name:- Principles of Management	
Subject Code:- 101	
CO1	Evaluate the global context for taking managerial actions of planning, organizing and controlling.
CO2	Assess the global situation, including opportunities and threats that will impact management of an organization.
CO3	Integrate management principles into management practices.
CO4	Assess managerial practices and choices relative to ethical principles and standards.
CO5	Specify how the managerial tasks of planning, organizing, and controlling can be executed in a variety of circumstances.
CO6	Determine the most effective action to take in specific situations.
CO7	Evaluate approaches to addressing issues of diversity.

Subject Name:- Business Communication Skills	
Subject Code:- 102	
CO1	To improve various skills such as linguistic, non-linguistic and Paralinguistic skills.
CO2	To develop an integrative approach where reading, writing, oral and speaking components are used together to enhance the students' ability to communicate and write effectively.

CO3	To create awareness among students about Methods and Media of communication.
CO4	To develop proficiency in how to write business letters and other communications required in business

Subject Name:- Business Accounting	
Subject Code:- 103	
CO1	To enable the students to acquire sound knowledge of basic concepts of accounting
CO2	To impart basic accounting knowledge
CO3	To impart the knowledge about recording of transactions and preparation of final accounts
CO4	To acquaint the students about accounting software packages

Subject Name:- Business Economics (Micro)	
Subject Code:- 104	
CO1	Students are understanding how the economy plays an important role in our day to day life.
CO2	Students are getting implication of different aspects of demand & Supply .
CO3	Students are understanding the concepts of Monopoly, Average Revenue, Marginal Revenue.
CO4	Students are knowing the concept of circular flow of Economy.

Subject Name:- Business Mathematics	
Subject Code:- 105	
CO1	To develop appropriate understanding of how to use mathematics like computation interest, profit etc.
CO2	To understand the concept and use of L.P.P. and its applications in business.
CO3	To cultivate right understanding regaining numerical aptitude.
CO4	To develop a logical approach towards analytical approach data.

Subject Name:- Business Demography and Environmental Studies	
Subject Code:- 106	
CO1	To develop a knowledge base for demographic and environmental factors affecting business.
CO2	To make the students aware of environmental problems related to business and Commerce.
CO3	To inculcate values of Environmental ethics amongst the students.

Subject Name:-Add on Course- Communication skills for managers	
Subject Code:- B	
CO1	Students need to know how words take on new meanings according to context
CO2	With this course students will develop the capability to understand Information that is presented in any format..
CO3	This course will help in developing communication skills to enable the students to put their thoughts in a fashion which is comprehensible by the reader..

SEMI_II

Subject Name:- Business Organization and System	
Subject Code:- 201	
CO1	To make the students aware about various activities of business, business practices and recent trends in the business world.
CO2	To study the challenges before the businesses and setting up of a business enterprise.
CO3	To develop the spirit of entrepreneurship among the students.

Subject Name:- Principles of Marketing	
Subject Code:- 202	
CO1	To introduce and familiarize the student's basic concepts of marketing, it's general nature, scope and importance.
CO2	To impart appropriate knowledge and understanding of its primary functions and applications and its gradual evolution and development.
CO3	To develop basic and essential skills related to marketing.
CO4	To provide a learning platform for preparing students for marketing employability opportunities essential for industries.

Subject Name:- Principles of Finance	
Subject Code:- 203	
CO1	To provide understanding of nature, importance, structure of finance related areas.
CO2	To impart knowledge regarding sources of finance for a business
CO3	Students will learn recent trends in business finance.

Subject Name:- Basics of Cost Accounting	
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Subject Code:- 204	
CO1	To Impart the Knowledge of Basic cost concepts, element of cost & preparation of Cost Sheet
CO2	To develop understanding how overheads influence the cost structure of cost .
CO3	To develop skills for computation of total cost for a particular product.

Subject Name:- Business Statistics	
Subject Code:- 205	
CO1	To understand the role and importance of statistics in various business situations .
CO2	To develop skills related to basic statistical techniques.
CO3	Develop the right understanding regarding regression, correlation and data interpretation.

Subject Name:- Fundamentals of Computers	
Subject Code:- 206	
CO1	To develop concept of information and their role in modern businesses
CO2	To develop rational approach as to how computers can be used in data process analysis in business
CO3	To develop understanding regarding cautions to be taken security, safety and security while using net based service

Subject Name:- Add on Course- Certificate course in selected computer software	
Subject Code:- -	
CO1	This course trains the students with the most required industrial features of Data Analysis and its Presentation in day-to-day work like MS -Excel, MS-Word and MS-Powerpoint Presentation.
CO2	To develop rational approach as to how computers can be used in data process analysis in business
CO3	To develop understanding regarding cautions to be taken security, safety and security while using net based service

SY.BBA (A.Y-2019-2020)

Sr. No.	Sub. Code	Sem III	Sr. No.	Sub. Code	Sem IV
1	301	Personality Development	1	401	Production and Operations Management

2	302	Business Ethics	2	402	Industrial Relations & Labour Laws
3	303	Human Resource Management and Organization Behaviour	3	403	Business Taxation
4	304	Management Accounting	4	404	International Business
5	305	Business Economics (Macro)	5	405	Management Information System
6	306	I.T. in Management	6	406	Business Exposure (Field Visits)

SEMI_III

Subject Name:- Personality Development	
Subject Code:- 301	
CO1	To make the students aware about the dimensions and importance of effective personality.
CO2	To understand personality traits and formation and vital contribution in the world of business.
CO3	To make the students aware about the various dynamics of personality development.

Subject Name:- :Business Ethics	
Subject Code:- 302	
CO1	To impart knowledge of Business Ethics to the students.
CO2	To promote Ethical Practices in the Business.
CO3	To develop Ethical and Value Based thought processes among the future manager's entrepreneurs.

Subject Name:- : Human Resource Management and Organizational Behaviour	
Subject Code:- 303	
CO1	To introduce to the students the functional department of human resource management and acquaint them with planning, its different functions in an organization.
CO2	To introduce the human resource processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.

Subject Name:- : Management Accounting	
Subject Code:- 304	

CO1	To impart basic knowledge of Management Accounting.
CO2	To know the implications of various financial ratios in decision making.
CO3	To study the significance of working capital in business.
CO4	To understand the concept of budgetary control and its application in business.
CO5	To develop the calculating ability of various techniques of management accounting.

Subject Name:- : Business Economics (Macro)	
Subject Code:- 305	
CO1	To study the behaviour of working of the economy as a whole.
CO2	To develop an analytical framework to understand the inter-linkages among the crucial macroeconomic variables.
CO3	To apply economic reasoning to problems of business and public policy.

Subject Name:- : IT in Management	
Subject Code:- 306	
CO1	To understand the role of IT in Management.
CO2	To understand the basics of operating systems and current happenings.

SEMI_IV

Subject Name:- Production & Operations Management	
Subject Code:- 401	
CO1	To provide goods and services at the right time, at the right place at the right manufacturing cost of the right quality.
CO2	To understand manufacturing technology and its role in developing business strategy.
CO3	To identify the role of operation function.
CO4	To understand the external and internal effects of five operation performance objectives.

Subject Name:- Industrial Relations and Labour Law	
Subject Code:- 402	
CO1	To impart the students with the knowledge about complexities between labour and management relationships.
CO2	To make the students aware about mechanisms of Industrial Dispute and friendly interventions to deal with employee-employer problems.

CO3	To identify the role of operation function.
CO4	To impart the students with the knowledge of laws & how law affects the industry & labour.

Subject Name:- Business Taxation	
Subject Code:- 403	
CO1	To understand the basic concepts and definitions under the Income Tax Act, 1961.
CO2	To update the students with the latest development in the subject of taxation.
CO3	To Acquire knowledge about Computation of Income under different heads of Income of Income Tax Act, 1961.
CO4	To acquire knowledge about the submission of Income Tax Return, Advance Tax, Tax deducted at Source, Tax Collection Authorities.
CO5	To prepare students Competent enough to take up employment in Tax planner.
CO6	To develop the ability to calculate taxable income of firms, co-operative societies and charitable trust.

Subject Name:- : International Business	
Subject Code:- 404	
CO1	To acquaint the students with emerging issues in international business.
CO2	To study the impact of the international business environment on foreign market operations.
CO3	To understand the importance of foreign trade for the Indian economy.

Subject Name:- : Management Information System	
Subject Code:- 405	
CO1	To understand the concepts of Information System
CO2	To study the concepts of system analysis, design and the issues in MIS

Subject Name:- : Business Exposure	
Subject Code:- 406	
CO1	To develop the understanding of the student with a realistic and practical perception of the industry its layout, procedures, processes, organization structure
CO2	The objective of the Industrial Visit is to help students gain first-hand information regarding the functioning of the Industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom.

TY.BBA (A.Y-2019-2020)

Sr. No.	Sub. Code	Sem V	Sr. No.	Sub. Code	Sem VI
1	501	Supply Chain and Logistics Management	1	601	Business Planning and Project Management
2	502	Entrepreneurship Development	2	602	Event Management
3	503	Business Law	3	603	Management Control System
4	504	Research Methodology (Tools and Analysis)	4	604	E-Commerce
5	505	Specialization- I (Finance/ Marketing/Human Resource Management)	5	605	Specialization- III (Finance/ Marketing/Human Resource Management)
6	506	Specialization- II (Finance/ Marketing/Human Resource Management)	6	606	Specialization- IV (Finance/ Marketing/Human Resource Management)

SEMI_V

Subject Name:- Supply Chain and Logistics Management	
Subject Code:- 501	
CO1	To introduce the fundamental concepts in Materials and Logistics Management.
CO2	To familiarize with the issues in core functions in materials and logistics management

Subject Name:-Entrepreneurship Development	
Subject Code:- 502	
CO1	To create entrepreneurial awareness among the students.
CO2	To help students to bring out their own business plan.
CO3	To develop knowledge and understanding in creating and managing new ventures.

Subject Name:- Business Law	
Subject Code:- 503	
CO1	To understand basic legal terms and concepts used in law pertaining to business
CO2	To comprehend applicability of legal principles to situations in the Business world by referring to few decided leading cases.

Subject Name:- Research Methodology	
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Subject Code:- 504	
CO1	To provide the students with basic understanding of the research process and tools for the same.
CO2	To provide an understanding of the tools and techniques necessary for research and report writing.

Specialisation Papers

Subject Name:- - Finance Special Paper I -Analysis of Financial Statements	
Subject Code:- 505 – A	
CO1	This course is designed to prepare students for interpretation and analysis of financial statements effectively.
CO2	To make the student well acquainted with current financial practices
CO3	This course is designed primarily for students who expect to be intensive users of financial statements as part of their professional responsibilities.

Subject Name:- - Finance Special Paper II -Long Term Finance	
Subject Code:- 506 – A	
CO1	To make the study of long-term financing.
CO2	To make the student well-acquainted regarding current financial structure.

Subject Name:- - Marketing Special Paper I-Sales Management	
Subject Code:- 505 – B	
CO1	To provide the students with basic understanding of the processes and skills necessary to be successful in personal selling and insights about recent trends in sales management.
CO2	To provide an understanding of the tools and techniques necessary to effectively manage the sales function - organization - sales individual.
CO3	To provide students with advanced skills in the areas of interpersonal communications, Motivational techniques.

Subject Name:- - Marketing Special Paper II-Retail Management	
Subject Code:- 506 – B	
CO1	To provide insights into all functional areas of retailing.
CO2	To give a perspective of the Indian retail scenario.

CO3	To identify the paradigm shifts in retailing business with increasing scope of technology and e-business.
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Subject Name:- - Human Resource Management Special Paper I-Human Resource Management Principles and Functions	
Subject Code:- 505 – C	
CO1	To introduce the concept, principles and practices of H.R.M. to the students

Subject Name:- - Human Resource Management Special Paper II-Human Resource Practices	
Subject Code:- 505 – C	
CO1	To familiarize the students with it & practices

SEMI_VI

Subject Name:- Business Planning and Project Management	
Subject Code:- 601	
CO1	To acquaint the students with the planning process in business and familiarize them with the function and techniques of project management .

Subject Name:- Event Management	
Subject Code:- 602	
CO1	To acquaint the students with concepts, issues and various aspects of event management.

Subject Name:- Management Control System	
Subject Code:- 603	
CO1	To introduce to the students the function of management control, its nature, functional areas, and techniques..

Subject Name:- E- Commerce	
Subject Code:- 604	
CO1	To know the concept of electronic commerce.
CO2	To know the concept of Cyber Law & Cyber Jurisprudence
CO3	To know Internet marketing techniques

Specialisation Papers

Subject Name:- Finance Special Paper III -: Financial Services	
Subject Code:- 605 A	
CO1	To study in detail various financial services in India.
CO2	To make the students well acquainted regarding financial markets.

Subject Name:- - Finance Special Paper IV - Cases in Finance/ Project	
Subject Code:- 606 A	
CO1	To understand the application of theory into practice.
CO2	The student shall write a project report on the topics selected under the guidance of a faculty and submit one hard binding copy and one soft copy of the same to the Principal of the college.

Subject Name:- - Marketing Special Paper III- Advertising and Sales Promotion	
Subject Code:- 605 B	
CO1	To develop knowledge and understanding of importance and functions of advertising.
CO2	To understand Key features of Sales Promotion.

Subject Name:- - Marketing Special Paper IV-Cases in Marketing / Project	
Subject Code:- 606 B	
CO1	To understand of application of theory into practice
CO2	The student shall write a project report on the topics selected under the guidance of a faculty and submit one hard binding copy and one soft copy of the same to the Principal of the college.

Subject Name:- - Human Resource Management Special Paper III-Labour Laws	
Subject Code:- 605 C	
CO1	To acquaint the students with important legal provisions governing the industrial employees.

Subject Name:- - Human Resource Management Special Paper IV-Cases in Human Resource Management / Project	
Subject Code:- 606 C	
CO1	To understand the application of theory into practice.
CO2	The student shall write a project report on the topics selected under the guidance of a faculty and submit one hard binding copy and one soft copy of the same to the Principal of the college.

COURSE OUTCOMES (COs)

Bachelor of Business Administration- BBA (Computer Application)

FY.BBA (CA) (A.Y-2019-2020)

Sr. No.	Sub. Code	Sem I	Sr. No.	Sub. Code	Sem II
1	CA-101	Business Communication	1	CA-201	Organizational Behavior & Human Resource Management
2	CA-102	Principles of Management	2	CA-202	Financial Accounting
3	CA-103	C Language	3	CA-203	Business Mathematics
4	CA-104	Database Management System	4	CA-204	Relational database
5	CA-105	Statistics	5	CA-205	Web Technology HTML- JS-CSS
6	CA-106	Computer Laboratory Based on 103 &104 (2 credits each)	6	CA-206	Computer Laboratory Based on 204 & 205(2 credits each)
7	107	Add-On (PPA) (30 Hours)	7	207	Add-On Course-Advance C Programming (30 Hours)

SEMI_I

Subject Name:- Business Communication Skills	
Subject Code:- CA-101	
CO1	To understand the role of communication in the personal and business world .
CO2	To understand systems and communication and their utility and develop proficiency in how to write business letters and other communications in the required business world.

Subject Name:- Principles of Management

Subject Code:- CA-102	
CO1	To understand basic concepts regarding org. Business Administration.
CO2	To examine how various management principles are implemented .
CO3	To develop managerial skills among the students .

Subject Name:- C-Programming	
Subject Code:- CA-103	
CO1	Illustrate flowchart and algorithm to the given problem.
CO2	Understand basic Structure of the C-PROGRAMMING, declaration and usage of variables.
CO3	Exercise conditional and iterative statements to Write C programs.

Subject Name:- Database Management Systems	
Subject Code:- CA-104	
CO1	Write and understand queries in extended relational algebra.
CO2	To understand SQL queries using embedded sub queries without embedding operators.
CO3	Design a relational database schema for a subject of interest to the student.

Subject Name:- Business Statistics	
Subject Code:- CA-105	
CO1	To understand the role and importance of statistics in various business situations. .
CO2	To develop skills related to basic statistical techniques.
CO3	Develop the right understanding regarding regression, correlation and data interpretation.

Subject Name:- Computer Laboratory Based on 103 &104 (2 credits each)	
Subject Code:- CA-106	
CO1	Write and read understand SQL queries using subqueries embedded using embedding operators e.i IN, NOT IN, EXISTS, NOT EXISTS, ALL, ANY, SOME
CO2	Design ER diagrams for new databases and read (understand) ER diagrams..

Subject Name:- Add-On (PPA) (30 Hours)	
Subject Code:- 107	
CO1	Understanding algorithms is similar to problem-solving .It is a step by step process.
CO2	Identify the computational issues and apply suitable algorithms to solve it effectively. Relevance of analysis to the design of efficient computer algorithms.

SEMI_II

Subject Name:- Organizational Behavior & Human Resource Management	
Subject Code:- CA-201	
CO1	To understand the basic concept of HRM & OB.
CO2	To make aware students about traditional & modern methods of procurement & development in organization.
CO3	To know the major trends in HRM & OB.

Subject Name:- Financial Accounting	
Subject Code:- CA-202	
CO1	To develop the right understanding regarding the role and importance of monetary and financial transactions in business.
CO2	To cultivate the right approach towards classifications of different transactions and their implications.
CO3	To develop proficiency in basic financial preparation as to how to write a basic accounting statement - Trading and P&L .

Subject Name:- Business Mathematics	
Subject Code:- CA-203	
CO1	To understand role and importance of Mathematics in various business situations and while developing softwares
CO2	To develop skills related to basic mathematical techniques.

Subject Name:- Relational Database	
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Subject Code:- CA-204	
CO1	Enables students to understand relational database concepts and transaction management concepts in database systems..
CO2	Enables students to write PL/SQL programs that use: procedure, function, package, cursor and trigger.

Subject Name:- Web Technology (HTML-JSS-CSS)	
Subject Code:- CA-205	
CO1	To know & understand concepts of internet programming.
CO2	To understand how to develop web based applications using JavaScript.

Subject Name:- Computer Laboratory Based on 204 & 205(2 credits each)	
Subject Code:- CA-206	
CO1	
CO2	

Subject Name:- Add-On Course-Advance C Programming (30 Hours)	
Subject Code:- 207	
CO1	To study advanced concepts of programming using the 'C' language.
CO2	To understand code organization with complex data types and structures.
CO3	To work with files

SY.BBA (CA) (A.Y-2019-2020)

Sr. No.	Sub. Code	Sem III	Sr. No.	Sub. Code	Sem IV
1	301	Relational Database Management Systems	1	401	OOP's using C++
2	302	Data Structures using C	2	402	Programming in Visual Basic
3	303	Operating System Concepts	3	403	Computer Networking

4	304	Business Mathematics	4	404	Enterprise Resource Planning
5	305	Software Engineering	5	405	Human Resource Management
6	306	Laboratory Course – III [Based on Paper No. 301 and 302]	6	406	Laboratory Course – IV [Based on Paper No. 401 & 402]

SEMI_III

Subject Name:- RDBMS (Relational Database Management System)	
Subject Code:- 301	
CO1	Enables students to understand relational database concepts and transaction management concepts in database systems.
CO2	Enables students to write PL/SQL programs that use: procedure, function, package, cursor and trigger.

Subject Name:- Data Structure Using C	
Subject Code:- 302	
CO1	To understand different methods of organising large amounts of data
CO2	To efficiently implement different data structure
CO3	To efficiently implement solution for different problems
CO4	To get more knowledge on C programming language

Subject Name:- Introduction to Operating System	
Subject Code:- 303	
CO1	To know system programming and services provided by the operating system.
CO2	To know the Scheduling concepts.

Subject Name:- Business Mathematics	
Subject Code:- 304	
CO1	To expose students about applications of matrices in business.
CO2	To understand the concept and use of L.P.P. and its applications in business.

CO3	To understand the concept of Transportation problems & its applications in the business world.
CO4	To understand the concept of shares & share market.

Subject Name:- Software Engineering	
Subject Code:- 305	
CO1	This course enables students to understand system concepts and its application in Software development.

Subject Name:- Laboratory Course – III [Based on Paper No. 301 and 302]	
Subject Code:- 306	
CO1	Demonstrate the working of the central processing unit and RISC and CISC Architecture.
CO2	Elaborate advanced concepts of computer architecture, Parallel Processing, inter- processor communication and synchronization

SEMI_IV

Subject Name:- Object Oriented Programming Using C++	
Subject Code:- 401	
CO1	Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design.
CO2	Enables students to write C++ programs that use: object-oriented concepts such as information hiding, constructors, destructors, inheritance.

Subject Name:- Programming in Visual Basic	
Subject Code:- 402	
CO1	To learn properties and events, methods of controls and how to handle events of different controls.To understand the use of active controls and how to design VB application
CO2	To learn connectivity between VB and databases.

Subject Name:- Computer Networking	
Subject Code:- 403	
CO1	To know about computer networks and different topologies used in networking.
CO2	To learn different types of network and the use of connecting devices used in the network.

Subject Name:- Enterprise Resource Planning and Management.	
Subject Code:- 404	
CO1	To know what is ERP
CO2	To learn different ERP technologies.

Subject Name:- Human Resource Management	
Subject Code:- 405	
CO1	To acquaint the students with the Human Resource Management its different functions in an organization and the Human Resource Processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.

Subject Name:- Laboratory Course – IV [Based on Paper No. 401 & 402]	
Subject Code:- 406	
CO1	The course has improved my ability to use the C programming language to solve elementary problems.
CO2	The course has improved my ability to use dynamic memory and to use object oriented programming in C++to solve basic problems.

TY.BBA (CA) (A.Y-2019-2020)

Sr. No.	Sub. Code	Sem V	Sr. No.	Sub. Code	Sem VI
1	501	Java Programming	1	601	Advanced Web Technologies
2	502	Web Technologies	2	602	Advanced Java
3	503	Dot Net Programming	3	603	Recent Trends in IT
4	504	Object Oriented Software Engg.	4	604	Software Testing
5	505	Software Project – I [Based on C++ / VB Technology]	5	605	Software Project – II [Java / Dot net Technology]
6	506	Laboratory Course – V [Based on Paper No. 501 & 502]	6	606	Laboratory Course – VI [Based on Paper No. 601 & 602]

Subject Name:- Java Programming	
Subject Code:- 501	
CO1	To learn the basic concept of Java Programming.
CO2	To understand how to use programming in day to day applications.

Subject Name:- Web Technologies	
Subject Code:- 502	
CO1	To know & understand concepts of internet programming.
CO2	To understand how to develop web based applications using PHP.

Subject Name:- Dot Net Programming	
Subject Code:- 503	
CO1	This will introduce visual programming and event driven programming practically.
CO2	This will enhance the application development skill of the student.

Subject Name:- Object Oriented Software Engineering .	
Subject Code:- 504	
CO1	To Understand the concept of system design using UML.
CO2	To understand system development through object oriented techniques.

Subject Name:- Software Project – I [Based on C++ / VB Technology]	
Subject Code:- 505	
CO1	The course has improved my understanding of the method overloading and overriding.
CO2	The course has improved my understanding of the distinction for passing arguments to/from functions.

Subject Name:- Laboratory Course – V [Based on Paper No. 501 & 502]	
Subject Code:- 506	
CO1	Understand, compare and apply different encryption and decryption techniques to solve problems related to confidentiality and authentication
CO2	Apply the knowledge of cryptographic checksums and evaluate the performance of different message digest algorithms for verifying the integrity of varying message sizes

CO3	Illustrate various IT web services for betterment of knowledge.
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SEMI_VI

Subject Name:- Advanced Web Technologies	
Subject Code:- 601	
CO1	To know & understand concepts of internet programming.
CO2	To understand the concepts of XML and AJAX.

Subject Name:- Advanced Java	
Subject Code:- 602	
CO1	To know the concept of Java Programming.
CO2	To understand how to use programming in day to day applications.
CO3	To develop programming logic.

Subject Name:- Recent Trends in IT	
Subject Code:- 603	
CO1	To introduce upcoming trends in Information technology.
CO2	To study Eco friendly software development.

Subject Name:- Software Testing.	
Subject Code:- 604	
CO1	To know the concept of software testing and understand how to test bugs in software.
CO2	To develop programming logic.

Subject Name:- Software Project – II [Java / Dot net Technology]	
Subject Code:- 605	
CO1	Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and functions for developing skills of logic building activity.
CO2	Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem
CO3	Demonstrates how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.

Subject Name:- Laboratory Course – VI [Based on Paper No. 601 & 602]	
Subject Code:- 606	
CO1	Demonstrate understanding and use of different exception handling mechanisms and concept of multithreading for robust faster and efficient application development.
CO2	Able to Identify and describe common abstract user interface components to design GUI in Java using Applet & AWT along with response to events.
CO3	Able to Identify, Design & develop complex Graphical user interfaces using principal Java Swing classes based on MVC architecture.