

Program Name: BBA						
COURSE OUTCOMES						
SEMESTER I						
Course Code:	Course Name	Credits				Course Outcomes (CO): After the completion of the course students will be able to:
		Credits	Lecture	Tutorial	Lab/Practical	
BBA-101	Fundamentals of Management	4	4			CO101.1: Acquaint the students with the fundamentals of management as they are practiced today and also students will be able to define and compare the concepts of management by different experts.
						CO101.2: Interpret and apply the management function Planning and also be able to learn managerial decision making skills.
						CO101.3: Examine analytical and problem solving skills, based on understanding the management concept of Organizing and also being able to learn the difference between Centralization and decentralization.
						CO101.4: Develop a working knowledge of fundamental terminology of management function: directing and coordination., also the students will be able to define the concepts of Motivation and Leadership with examples.
						CO101.5: Acquire the students with the understanding of concept Controlling and how to apply controlling techniques for managing contemporary organizations.
BBA-102	Organizational Behavior	4	4			CO102.1: Understand basic knowledge of main ideas and key theories relating to organization behaviour.
						CO102.2: Interpret the concepts of organization behavior in managing people and fostering an environment that encourages continuous learning within organizations.
						CO102.3: Illustrate skills in diagnosis and problem solving by using the learned concepts to given situations.
						CO102.4: Correlate an interest in positive attitude towards the many aspects of the behavioural patterns of human beings at work place.
						CO102.5: Evaluate organizational behavior concepts, theories, and principles to enhance the overall effectiveness, efficiency, and well-being of individuals and the organization as a whole.
						CO102.6: Formulate an integrated understanding of change in management, showcasing their ability to apply these concepts collaboratively for fostering positive organizational development.
BBA-103	Managerial Economics	4	4			CO103.1: Understand managerial economic concepts for decision-making and forward planning.
						CO103.2: Apply the concept of demand to calculate and examine the uses of demand forecasting techniques.
						CO103.3: Analyze the cost revenue function to determine the optimal price and output for the firms across sectors.
						CO103.4: Evaluate national income as an indicator of the broader standard of living and its capacity to capture shifts in overall well-being.
						CO103.5: Develop the concept of Economic Growth and Development to achieve overall benefit for the society.
BBA-104	Accounting and Financial Analysis	4	3	1		CO104.1: Understand and remember the basic concepts of accounting and financial statements.
						CO104.2: Applying accounting concepts and principles to prepare financial statements.
						CO104.3: Employ critical thinking skills to analyse financial data as well as the effects of different financial accounting methods on the financial statements.
						CO104.4: Evaluate the financial position and performance of an entity with the help of various techniques in accounting.
						CO104.5: Create effectively various financials and demonstrate the ability to communicate such data to the users of Financial statements.
BBA-105	Business Law	4	4			CO105.1: Acquire complete knowledge of the legal aspects of the laws affecting businesses.
						CO105.2: Understand the basic rules regarding different types of laws to contract used in businesses.
						CO105.3: Articulate the application skills relating to Formation and Discharge of sale of goods.
						CO105.4: Develop an analytical skill using the different case laws relating to contract entered during partnership.
						CO105.5: Evaluate negotiations, case laws and amendments under each business contract for better implementation.
BBA-106	Business Organization and Ethics	4	4			CO106.1: Identify the role of business activities in modern business and its application.
						CO106.2: Apply the theoretical concept of business unit, plant location and plant layout in their business decisions.

						CO106.3: Analyze organizational culture and the ethical practices and address a variety of ethical dilemmas at work.
						CO106.4: Evaluate the CSR, social change, and social responsibility of businesses in the present business context.
						CO106.5: Create the business plan.
SEMESTER II						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BBA-201	Quantitative Techniques for Business	4	3	1		CO201.1 Recognize and recall the different types of data in statistical analysis, methods of data classification, tabulation, frequency distribution and graphical presentation.
						CO201.2: Understand the concept of Central Tendency to analyze datasets effectively and Measures of Dispersion for data interpretation and decision-making.
						CO201.3 Apply correlation methods and regression concepts, including Introduction, Regression Lines, and Regression Equations
						CO201.4 Analyze the application of Time Series, Index Numbers, Interpolation, and Extrapolation.
						CO201.5 Evaluate principles of Probability and Probability Distributions
BBA-202	Business Communication	4	4			CO202.1: Recall fundamental business communication concepts, terminology, and principles to establish a foundational understanding of the subject
						CO202.2: Interpret written and oral business messages, demonstrating comprehension of communication strategies and techniques
						CO202.3: Apply business communication skills in practical scenarios, such as drafting effective emails, memos, and reports, showcasing the ability to implement learned concepts in a professional context
						CO202.4: Evaluate and analyze business communication scenarios, identifying effective and ineffective communication practices within organizational contexts
						CO202.5: Develop advanced business communication materials, like presentations to demonstrate the synthesis of knowledge and skills acquired throughout the course
BBA-203	Human Resource Management	4	4			CO203.1: Acquaint students with the concepts of HRM, including HRD, compensation, Training & development, e-HRM, and more.
						CO203.2: Interpret and apply acquired professional skills after learning Global and e-HRM to enhance managerial decision making abilities.
						CO203.3: Evaluate analytical and problem-solving skills through comprehension of HR theories, HR procurement, career planning and mobility concepts.
						CO203.4: Develop students with a comprehensive grasp of performance appraisal and compensation, enhancing their practical knowledge and skills.
						CO203.5: Apply the knowledge of technology in HRM to increase to effectively tackle modern challenges.
BBA-204	Marketing Management	4	4			CO204.1: Identify Market challenges & Opportunities in a dynamic Business.
						CO204.2: Apply the concepts relating to Marketing Management.
						CO204.3: Analyze the concepts relating to consumer buying behavior
						CO204.4: Explain and interpret Market Research evolution and Structure
						CO204.5: Assess and interpret the relevance of pricing and distribution strategies.
						CO204.6: Integrate knowledge from different business management areas to solve complex business problems
BBA-205	Business Environment	4	4			CO205.1: Identify the nature of business environment and its components.
						CO205.2: Apply the conceptual framework of Business environment and generate interest in International Business.
						CO205.3: Analyze the socio-economic implications of Liberalization, Privatization and Globalization.
						CO205.4: Evaluate the various Economic Systems and Industrial Policies.
						CO205.5: Assess various policies of the government like FEMA, EXIM, Start-ups etc. in regulation and development of business.

BBA-206	Fundamentals of Computer	4	4			CO206.1: Understand and recall the basic concepts of a computer, including its history and types and describe the significance of each computer generation in technological advancements.
						CO206.2: Apply the relationship between hardware and software in a computer system and differentiate between RAM and ROM and assess their roles in computing.
						CO206.3: Analyze the implications of digital piracy and assess management strategies and importance of cyber security laws in safeguarding digital information.
						CO206.4: Evaluating security features to protect the operating system and personal data and Develop proficiency in using MS Word for various applications and tasks.
						CO206.5: Create complex Excel spreadsheets using filters and advanced commands and develop engaging presentations using PowerPoint templates, charts, and tables.
BBA-207	Assessment on Soft Skills Based Presentation/GD					CO207.1: Identify the crucial role of communication in the workplace as the cornerstone of efficiency and maximum individual and team contribution.
						CO207.2: Impart the knowledge and practical applications of various facets of an effective leader.
						CO207.3: Enhance the self awareness of the students through self assessment and reflection.
						CO207.4: Analyze and upgrade the emotional intelligence of the students & raise awareness of business trends and technology savviness.
						CO207.5: Assess creativity skills by applying critical and innovative thinking abilities along with problem-solving skills.
SEMESTER III						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BBA-301	Advertising Management	4	4			CO301.1: Illustrate and memorize working knowledge of advertising framework and theories and also know the current trends of advertising.
						CO301.2: Interpret and relate the role of public relation and publicity in terms of communication.
						CO301.3: Extract and relate the role of advertising in sales of product and service and also role of sales promotional offers in terms of attracting and retaining customers.
						CO301.4: Examine and appraising analytical and theoretical knowledge of Print media and Broadcasting concept.
						CO301.5: Develop critical thinking and analytical ability through developing the cite of Media Planning and Strategies concepts.
BBA-302	Team Building & Leadership	4	4			CO302.1: Identify how global leadership skills contribute to leadership effectiveness.
						CO302.2: Apply the leader’s role in team-based organizations and their contribution towards attainment of organizational objectives
						CO302.3: Analyze the potential contribution of outbound leadership to the development of team leadership.
						CO302.4:Evaluate the role of Leadership during crisis management and prioritize the activities during tough times.
BBA-303	Indian Economy	4	4			CO303.1: Remember the basic characteristics of Indian economy, its development and growth attributes.
						CO303.2: Understand the causes and impact of population growth and deeply evaluate the problem of unemployment in India.
						CO303.3:Discover agriculture as the foundation of economic growth and development along with the role of public and private sector in the development of the country.
						CO303.4:Analyse the problems and prospects in Indian Agriculture, Iron and Steel Industry, Sugar Industry, Cotton and Textile Industry & Large scale, small-scale and cottage industries.
						CO303.5: Evaluate the structure and functioning of Indian Banking system and Niti Aayog.
BBA-304	Customer Relationship Management	4	4			CO304.1: Comprehend basic customer relationship management and their application in business.
						CO304.2: Understand e-crm practices and their impact on emerging business practices.
						CO304.3: Devise an effective CRM Strategy affecting better customer decisions and retention.
						CO304.4:Design Sales Force Automation (SFA) principles and practices to improve sales efficiency and effectiveness, manage customer relationships, and support e-business initiatives.

BBA-305	Management Information System	4	4			CO305.1:Understand the leadership role of Management Information Systems in achieving business competitive advantage through informed decision making.
						CO305.2:Apply and synthesize business information and systems to facilitate evaluation of strategic alternatives.
						CO305.3:Analyze & interrelate how various support systems can be used for business decisions and to sustain competitive advantage.
						CO305.4:Evaluate & Express the proven value and relationship between business data, data management, and business intelligence.
						CO305.5:Recognize contemporary MIS theory and how information systems support business strategy, business processes, and practical applications in an organization.
BBA-306	Income Tax Law & Practice	4	3	1		CO306.1: Define the basics of concept of Income Tax and its implications.
						CO306.2: Understand the concept of Basis of Charge in Income Tax in business Comprehending
						CO306.3: Articulate the concepts of Heads of Income in Income Tax Knowledge
						CO306.4: Develop aggregation of Income, Set off and Carry forward of losses, deduction from gross total Income Evaluating
SEMESTER IV						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BBA-401	Consumer Behaviour	4	4			CO401.1: Understand the nature and significance of consumer behavior, demonstrating its relevance and application in marketing decisions, and distinguishing between consumer and industrial buying behavior.
						CO401.2: Apply the determinants of consumer behavior, including motivation, personality, self-concept, and external influences such as culture, subculture, social class, and reference groups, while understanding basic models of consumer behavior.
						CO401.3: Analyze the stages of the consumer decision-making process, including problem recognition, pre-purchase search, alternative evaluation, and post-purchase behavior, while understanding the concept of diffusion of innovation.
						CO401.4: Evaluate the role of consumer involvement in decision-making, and analyze its impact on customer satisfaction, recognizing consumer behavior as an interdisciplinary field.
						CO401.5: Design research methodologies to investigate online customer behavior, appreciate the diversity in consumer behavior, and evaluate the role of consumer behavior in shaping marketing strategies, with a focus on the Indian perspective.
BBA-402	Financial Management	4	3	1		CO402.1: Understand the concepts of financial management, finance functions, objectives and TVM
						CO402.2:Apply the various techniques associated with compounding, discounting and capital budgeting.
						CO402.3:Analyze the various capital structure theories, capitalization of a firm, leverage analysis, cost of capital and their implications for a company
						CO402.4:Evaluate Working Capital Management & different dividend models like Walter, Gordon's, and MM Hypothesis
						CO402.5:Apply financial management principles and digital tools for cost benefit analysis with concepts of Cost of Capital, Investment decision for sustainable business practices.
BBA-403	Production & Operation Management	4	3	1		CO403.1: Understanding of the role and importance of production and operations management in organizations.
						CO403.2: Apply the knowledge of quality control, inventory management and project management.
						CO403.3: Analyze and solve production management problems and make informed decisions to improve efficiency and effectiveness.
						CO403.4: Evaluate the impact of technology and innovation, the ethical and social decisions of operations managers on stakeholders.
						CO403.5: Assess the impact of global and cultural factors on production and operations management.
BBA-404	Sales & Distribution Management	4	4			CO404.1: Understand appropriate sales organization structures, demonstrating the ability to manage external relations
						CO404.2: Apply appropriate sales organization structures, demonstrating the ability to manage external relations
						CO404.3: Analyze personal selling theories, develop essential qualities of successful sales executives, and demonstrate proficiency in prospecting, pre-approach, and post-approach strategies.
						CO404.4: Evaluate suitable marketing channels, identify the characteristics of middlemen, and design an efficient physical distribution system to ensure timely product delivery.


						CO404.5: Design effective recruitment and selection strategies, implement continuous training programs, and exhibit leadership skills to guide and motivate a high-performing sales team.
BBA-405	Research Methodology	4	4			CO405.1: Define research in the context of business and management.
						CO405.2: Explain the importance of research problem formulation and its impact on the research process.
						CO405.3: Apply basic data analysis techniques to interpret research findings in a business context.
						CO405.4: Synthesize research findings from various sources to inform decision-making and develop new knowledge.
						CO405.5: Evaluate the potential impact of research findings on business practices.
BBA-406	Entrepreneurship & Small Business Management	4	4			CO406.1: Understand entrepreneurship theories, traits, and the roles of support institutions, showcasing the ability to recall and explain fundamental concepts
						CO406.2: Demonstrate the social benefits and incentives for small businesses in India, showcasing the ability to explain the implications and significance of government initiatives.
						CO406.3: Apply project classification to transform innovative ideas into practical projects, demonstrating the ability to use acquired knowledge in real-world scenarios.
						CO406.4: Analyze the challenges and teething problems associated with starting a small industry, showcasing the ability to break down complex issues and identify potential solutions.
						CO406.5: Evaluate the principles of project formulation, classification, and appraisal learned in the course, showcasing the ability to synthesize information and articulate a comprehensive plan for starting a small industry.
SEMESTER V						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BBA-501	Arithmetic Aptitude	4	3	1		CO501.1: Understand basic concepts of arithmetic operations.
						CO501.2: Apply Short-cut methods with time management which will be helpful to them to clear the competitive exams.
						CO501.3: Analyze the problems logically and approach the problems in a different manner.
						CO501.4: Enrich their knowledge and to develop their logical reasoning thinking ability.
						CO501.5: Create their own shortcut methods to solve the complex problems in a stipulated time.
BBA-502	Aptitude Reasoning	4	3	1		CO502.1: Define the basic concepts of logical reasoning skills and problems related to language and verbal reasoning.
						CO502.2: Understand the management of time effectively in solving various test-taking strategies with the ability of critical thinking.
						CO502.3: Apply satisfactory competency in the use of reasoning and recognise patterns and relationships.
						CO502.4: Analyse the skills to solve a variety of problems including mathematical, analytical and logical problems more effectively.
						CO502.5: Evaluate the skills of decision-making in various challenging situations with emotional & social intelligence.
BBA-503	General Business Awareness	4	4			CO503.1: Acquire knowledge on the business cultures covering all the areas of marketing, finance, Human Resource, operations and data analysis.
						CO503.2: Understanding of the diverse political environment of business across the globe.
						CO503.3: Discover the skills to solve the variety of corporate dilemmas by reviewing & comparing classical with contemporary business models.
						CO503.4: Evaluate the skills of decision-making by conducting research in various challenging situations by taking in global leader.
						CO503.5: Develop holistic personality & design innovative ideas to initiate/lead a business venture/ business segment.
BBA-504	General English	4	4			CO504.1: Identify basic grammar and vocabulary and exhibit memory of previously learned material by recalling facts, terms and basic concepts
						CO504.2: Understand key basic sentence structures and comprehend complex sentences
						CO504.3: Apply grammar and vocabulary to rearrange and create new words and sentences appropriate for professional communication
						CO504.4: Analyze sentences to identify grammatical errors and correct them.
						CO504.5: Create and rearrange sentences to form coherent paragraphs and passages with logical transitions

BBA-505 (M-1)	Rural Marketing					CO505(M-1).1:Identify ruralmarketChallenges & Opportunities in a dynamic market.
						CO505(M-1).2:Apply the concepts relating to consumer buying behaviour
						CO505(M-1).3:Analyze the concepts relating to consumer buying behaviour
						CO505(M-1).4:Explain and interpret RuralMarketing Evolution and Structure
						CO505(M-1).5: Assess and interpret the relevance of pricing and distribution strategies.
						CO505(M-1).6: Integrate knowledge from different business management areas to solve complex business problems
BBA-505 (F-1)	Corporate Taxes - Direct & Indirect Tax	4	3	1		CO505 (F-1).1: Define the key concepts, principles, and regulatory framework of Direct & Indirect Taxation in the context of corporate entities operating in India.
						CO505 (F-1).2: Interpret and apply the provisions of the Income Tax Act, in reference to taxable income, special provisions for new business, GST transactions and Custom Laws while complying with the relevant requirements.
						CO505 (F-1).3: Devise the fundamentals of various taxation laws like Income tax, Goods and Services Tax (GST), including registration, input tax credit, tax rates, and compliance procedures.
						CO505 (F-1).4: Analyze and evaluate the impact of GST on corporate transactions and Custom Laws on imports, exports, and cross-border trade.
						CO505 (F-1).5: Appraise various laws and regulations in practical life.
BBA-506 (M-2)	Service Marketing	4	4			CO506(M-2).1: Define the core concepts of Service Marketing, including its characteristics and classification of services, differentiate between Product and Services marketing. recall the components of the Services Marketing Mix (7 P's) and recognize current marketing paradigms and challenges
						CO506(M-2).2: Understand the relationship between consumer behavior and services versus goods, comprehend the concepts of segmentation, targeting, and positioning in Services Marketing, grasp the significance of differentiation strategies and the impact of consumer expectations and perceptions on services
						CO506(M-2).3: Discover service processes, including blueprints and physical evidence, Evaluate the role of advertising, personal selling, sales promotion, and public relations in Service Marketing, Analyze service quality and measurement techniques and the handling of complaints
						CO506(M-2).4: Illustrate the success of service offerings through measures of service quality and customer satisfaction, assess the role of Customer Relationship Management (CRM) in Service Marketing, critically evaluate the latest issues in Service Marketing with specific reference to contemporary companies such as Uber, Ola, OYO, Swiggy, and Zomato
						CO506(M-2).5: Develop designing new services, setting service standards, and managing demand and capacity effectively, demonstrate an understanding of the role of employees and customers in service delivery, apply pricing considerations and strategies to services and analyze their effectiveness.
BBA-506 (F-2)	Financial Institutions & Investment Management	4	4			CO506(F-2).1:Understand the financial system and investment opportunities.
						CO506(F-2).2: Examining the different markets and instruments found in the financial system.
						CO506(F-2).3:Analyze the risk and return framework for enabling an understanding of the theoretical tenets of investment analysis.
						CO506(F-2).4: Evaluate the financial instruments and services as investment options and role of DFIs in investment management.
						CO506(F-2).5:Develop an understanding of portfolio management by evaluating the various instruments and their regulatory systems.

SEMESTER VI						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BBA-601	Strategic Management & Business Policy	4	4			CO601.1: Identify the technique of strategic analysis and facilitate to develop strategic thinking through case analysis.
						CO601.2: Apply the theoretical concept of Top management role & Responsibilities, Business objective in their business decisions
						CO601.3: Analyze the main structural features of an industry and develop strategies that position the firm most favorably in relation to competition and influence industry structure to enhance industry attractiveness
						CO601.4: Evaluate the different stages of industry evolution and recommend strategies appropriate to each stage

						CO601.5: Create the student's ability to think strategically, understand the language of business, analyze and verbally in class discussion, critically reflect on existing theories and tools, to creatively combine or generate frameworks and tools and use them where applicable
BBA-602	Operations Research	4	3	1		CO602.1: Identifying the Operational Concepts for decision making
						CO602.2: Compare the concepts of Operations in order to take sound decision making
						CO602.3: Articulate the concepts of operations in different situations
						CO602.4: Prioritize Linear programming as an indicator of the broader concepts of Operation
						CO602.5: Develop the concept of the subject in the best possible manner.
BBA-603	Fundamentals of E-Commerce	4	4			CO603.1: Define and explain key concepts related to e-commerce, including its meaning, types (B2B, B2C, etc.), and basic requirements.
						CO603.2: Comprehend the core characteristics of the internet, including email, WWW, FTP, telnet, intranet, and extranet.
						CO603.3: Apply the role of e-commerce in building customer relationships and analyze different electronic payment systems used in online transactions.
						CO603.4: Analyze the purpose and functionalities of Electronic Data Interchange (EDI) in business communication and e-commerce transactions.
						CO603.5: Compare and contrast various payment gateways like Visa, Rupay, and Mastercards, evaluating their suitability for different types of e-commerce transactions.
BBA-604	Economic & Industrial Law	4	4			CO604.1: Elaborate the various concept of Industrial Relations.
						CO604.2: Outline the important causes and various impact of industrial disputes.
						CO604.3: Gain understanding about legal provisions of various labour legislations prevailing in India.
						CO604.4: Differentiate between each labour law and its applicability in Industry.
						CO604.5: Develop a comprehensive compliance framework for employers regarding industrial laws.
BBA-605 (M-3)	Retail Management	4	4			CO605(M-3).1: Define the main concepts in retail and merchandising management
						CO605(M-3).2: Explain the consumer behaviour for retail products and services
						CO605(M-3).3: Apply the retail applications in solving retail manager problems
						CO605(M-3).4: Analyse problems faced by retail managers for better decision making
						CO605(M-3).5: Evaluate the effectiveness of retail decision making for solving retail problems
BBA-605 (F-3)	Cost and Management Accounting	4	3	1		CO605(F-3).1: Understand various costing systems and management systems
						CO605(F-3).2: Analyse and provide recommendations to improve the operations of organisations through the application of Cost and Management accounting techniques
						CO605(F-3).3: Evaluate the costs and benefits of different conventional and contemporary costing systems
						CO605(F-3).4: Analyze cost-volume-profit techniques to determine optimal managerial decisions
						CO605(F-3).5: Apply cost accounting methods for both manufacturing and service industry.
BBA-606 (M-4)	Digital Marketing	4	4			CO606(M-4).1: Understand importance of Digital Marketing in context of present business scenario
						CO606(M-4).2: Analyse the role of Search Engine Optimisation and Google Webmaster tool.
						CO606(M-4).3: Evaluate Promotional strategies success for brands through Social Media Marketing
						CO606(M-4).4: Create Video advertisements and Paid Campaigns on Google Adwords
						CO606(M-4).5: Assess Email Marketing, Content Marketing, Affiliate marketing and synthesize Internet Entrepreneurship.
BBA-606 (F-4)	Company Accounts	4	3	1		CO606(F-4).1: Understanding the meaning of basic terminologies, learning the fundamentals, learning company policies and technical concepts of accounting.
						CO606(F-4).2: Applying accounting concepts and principles to prepare financial statements and calculate various amounts related to ESOP, Bonus shares etc.
						CO606(F-4).3: Applying basics throughout the course for policy formation and various decision making.
						CO606(F-4).4: Evaluate the financial position and performance of an entity with the help of various techniques/parameters in accounting

					CO606(F-4).5: Create financial statements using accounting knowledge
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Director
Institute of Management Studies
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Ghaziabad-201015
Dr. Arun Kumar Singh

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COURSE OUTCOMES (COs)						
SEMESTER I						
Course Code	Course Name	Credits				Course Outcomes (CO): After the completion of the course students will be able to:
		Credits	Lecture	Tutorial	Lab/Practical	
MIB-101	Management Concepts & Organizational Process	4	4			CO101.1: Explain the fundamental principles of management across various functional areas like planning, organizing, leading, controlling, and
						CO101.2:Apply leadership theories and practices to motivate and influence individuals and teams within an organization.
						CO101.3:Impact of technology and information systems on modern organizations and leverage them for efficient management.
						CO101.4:Analyze different organizational structures and design effective organizational processes to achieve strategic goals.
						CO101.5: Develop effective problem-solving and decision-making skills for addressing complex organizational challenges
MIB-102	Financial & Management Accounting	4	3	1		CO102.1: Identify Business Finance terms and concepts while communicating
						CO102.2: Create and prepare financial statements
						CO102.3: Analyses and interpret the financial statements
						CO102.4: Collaborate with the concepts of management accounting for decision-making
MIB-103	Managerial Economics	4	4			CO103.1: Understand the key concepts of managerial economics, and recognize its importance in the decision-making process for business
						CO103.2: Apply demand and supply functions to make informed pricing and output decisions.
						CO103.3: Analyze skills in demand forecasting and techniques to predict consumer behavior and enable effective resource allocation and strategic
						CO103.4: Evaluate cost concepts and apply capital budgeting techniques to evaluate investment decisions.
						CO103.5: Create the impact of various economic policies on business prospects and functioning through cost-benefit analysis and social cost-
MIB-104	International Business	4	4			CO104.1: Define and recognize the key concepts, role and impact of International business on national economic development.
						CO104.2: Understand and explain how the socio-economic, political, legal, demographic, cultural and ecological environments affect the international business operations.
						CO104.3: Apply and demonstrate the understanding of the trade and investment theories and their influence on international trade and investments.
						CO104.4: ssess the effects of regional trade agreements and different exchange rate regimes’ impact on international businesses and developing economies.
						CO104.5: Discuss, evaluate and integrate the environmental differences, government policies, multilateral functioning and factors supporting and affecting the managerial decision-making and the international strategies.
MIB-105	Marketing Management	4	4			CO105.1: Identify basic principles and concepts of marketing and role of marketing in business and society
						CO105.2: Demonstrate a clear understanding of interaction between micro and macro environments on marketing
						CO105.3: Interpret consumer behaviour for implementation & application of marketing plans
						CO105.4: Evaluate various dimensions of marketing mix of any product including services product.
						CO105.5: Develop a set of skills important to successful performance in marketing management positions, including critical thinking, working in a group environment, oral and written presentation skills.
MIB-106	Business Statistics	4	3	1		CO106.1: To identify and comprehend the fundamental principles and concepts of business statistics.
						CO106.2: To enable students to master the principles and techniques of estimating various statistical parameters commonly encountered in business settings.
						CO106.3: To Develop students with the knowledge and skills to develop and apply statistical methods tailored to address specific business challenges and opportunities.
						CO106.4: To focuses on enabling students to apply statistical concepts, techniques, and tools effectively in practical business scenarios.
SEMESTER II						
Course Code	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
MIB-201	International Marketing Management	4	4			CO201.1: Define the basic concept, environment and processes of international marketing
						CO201.2: Understand the international marketing selection and mode of entry decisions.
						CO201.3: Apply the appropriate international marketing mix decisions and strategies.
						CO201.4: Analyse the various decisions related to international distribution & promotion strategies
						CO201.5: Evaluate international marketing emerging trends, issues and opportunities.
						CO202.1:Understand in modern concepts of corporate finance; principles of the corporate financial policy; principles of investment

MIB-202	Financial Analysis and Decision Making	4	3	1		CO202.2:Explain the implications of theory for practical financial management
						CO202.3:Apply modern models for the investment analysis, capital structure, dividend policy, the financial architecture of the
						CO202.4:Analyze and evaluate investment decision making under uncertainty
						CO202.5:Able to build long-term and short-term financial models, describing the company's growth
MIB-203	Business Environment	4	4			CO203.1: Remember the diverse dimensions of the business environment and their significance for strategic decision-making.
						CO203.2: Understand the changes in government policies since 1991, recognizing the impact of liberalization, globalization, and
						CO203.3: Apply the understanding of market conditions and the challenges faced by small-scale enterprises, to assess the
						CO203.4: Analyze the dynamics of the technological environment, evaluating the challenges of technology upgrades and the
						CO203.5: Evaluate information on the socio-cultural environment to address the social responsibilities of businesses and make
MIB-204	Business Laws and Taxation	4	4			CO204.1 Identify relevant laws and regulations applicable to specific business situations.
						CO204.2 Explain the fundamental concepts of business law and taxation.
						CO204.3 Apply legal and tax principles to solve routine business problems.
						CO204.4 Analyze the impact of changes in laws and regulations on business operations.
						CO204.5 Develop and defend alternative legal and tax strategies.
MIB-205	International Marketing Research	4	4			CO205.1: Identify and understand the concepts in international marketing research
						CO205.2: Estimate the potential tools to be used for marketing research in international perspective
						CO205.3: Develop new strategies to make better strategies for international companies
						CO205.4: Implement international research methods in actual strategy formulation
						CO205.5: Evaluate the research concepts in solving international marketing problems
MIB-206	Computer Applications	4	4			CO206.1: Define the key concepts like data information, processing, storage, and retrieval.
						CO206.2: Summaries the interaction between hardware and software in executing tasks and managing resources
						CO206.3:Relate basic operating system commands to navigate directories, manage files, and perform essential tasks.
						CO206.4: Compare and contrast different web development languages (HTML, Java) based on their capabilities and applications.
						CO206.5: Judge the potential limitations and challenges associated with emerging technologies like cloud computing and the internet
SEMESTER III						
Course Code	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
MIB-301	International Financial Management	4	4			CO301.1: Remember the key elements and recent trends of the international financial system and markets.
						CO301.2: Understand the mechanisms of foreign exchange markets, including exchange rates, forward contracts, and economic forces.
						CO301.3: Apply principles of international cash management to develop strategies for efficient disbursement and transfer pricing in multinational
						CO301.4: Analyse the impact of foreign exchange risk exposure on multinational corporations and evaluate strategies for effective exposure
						CO301.5: Evaluate the implications of foreign direct investment (FDI) policies and foreign portfolio investment (FPI) issues on global financial
MIB-302	Organizational Behaviour and Development	4	4			CO302.1: Identify the fundamentals of individual behaviour in organization and their personality.
						CO302.2: Apply the aspect of learning, interpersonal relationship and their effectiveness.
						CO302.3: Analyze the perception & work attitude of the employees.
						CO302.4: Evaluate the leadership & team building qualities and building conflict free environment in organization.
						CO302.5: Create plan to deal with change management and stress management.
MIB-303	International Trade Procedures, Documentation & Logistics	4	4			CO303.1: Describe the basic concept related to international trade procedures and documentation.
						CO303.2: Demonstrate an understanding export finance and international business risk coverage.
						CO303.3: Analyze the process &documents required for customs clearance of export & import cargos.
						CO303.4: Develop the capability to negotiate documents with the bank and avail exports incentives.
						CO303.5: Evaluate the role of clearing and forwarding agents and shipment of exports cargo, documents by road rail and air.
MIB-304	International Business Management	4	4			CO304.1: Identify and understand the main concepts and theories in international business
						CO304.2: Estimate the nature of international collaborations and negotiations
						CO304.3: Develop international business strategies for global growth and success
						CO304.4: Implement the learning in formulating successful IB strategies

Program Name: BCA							
COURSE OUTCOMES							
SEMESTER I							
Course Code	Course Name	Credits				Course	Course Outcomes (CO)
		Credits	Lecture	Tutorial	b/Practical		
BCA 101	Mathematics 1	4	4	-	-		
						CO101.1	Understanding the concept of Matrix, Limit and Continuity etc.
						CO101.2	Apply mathematical methods to various computing problems .
						CO101.3	Analyze mathematical reasoning and the process of constructing logical arguments.
						CO101.4	Evaluate the mathematical problems by using the various methods.
						CO101.5	Create a strong mathematical foundation to support advanced studies in computer science and related fields.
BCA-102	Programming Principle and Algorithm	4	4	-	2	Course	Course Outcomes (CO)
						CO102.1	Identify the concept of simple algorithms, flow chart, pseudocode, branching, iteration for arithmetic and logical problems.
						CO102.2	Apply the algorithms to programs & execution (in C language).
						CO102.3	Analysis of conditional & branching statement, iteration statement and recursion
						CO102.4	Evaluation of a problem through functions and synthesize a complete program by using divide and conquer
						CO102.5	Create and develop complex program by using C language
BCA-103	Computer Fundamental and Office Automation	4	4	-	2	Course	Course Outcomes (CO)
						CO103.1	Identify the concepts of input and output devices of Computers.
						CO103.2	Apply the information and understand how the computers interact with other computing systems and devices.
						CO103.3	Analyze the application of an operating system and its working, and solve common problems related to operating
						CO103.4	Evaluate the basic working of word processing, Spreadsheet and Presentation Graphics Software skills.
						CO103.5	Assess to use the Internet safely, legally, and responsibly
BCA-104	Principle of Management	4	4	-	-	Course	Course Outcomes (CO)
						CO104.1	Exhibit adequate verbal and non-verbal communication skills .
						CO104.2	Demonstrate effective discussion, presentation and writing skills.
						CO104.3	Increase confidence in their ability to read, comprehend, organize, and retain written information. Improve reading
						CO104.4	Write coherent speech outlines that demonstrate their ability to use organizational formats with a specific purpose;
						CO104.5	Develop proper listening skills; articulate and enunciate words and sentences clearly and efficiently
BCA-106	Business Communication	4	4	-	-	Course	Course Outcomes (CO)
						CO106.1	Identify the nature and objective of Technical Communication relevant for the workplace .
						CO106.2	Apply technical writing for the purposes of Technical Communication and its exposure in various dimensions.
						CO106.3	Analyse presentation skills to enhance confidence in face of a diverse audience.
						CO106.4	Evaluate application of the learning to promote their technical competence
						CO106.5	Assess their efficacy as fluent & efficient communicators by learning the voice dynamics.
BCA-105P	Computer Laboratory And Practical Work Of Office Automation (CFOA)	-	-	-	2	Course	Course Outcomes (CO)
						CO105P.1	Identify the working of Open Office (Word processing, Spreadsheets and Presentation).
						CO105P.2	Apply the acquired knowledge on editor, spread sheet and presentation software.
						CO105P.3	Analyze the performance of various types of in built function in spreadsheet.
						CO105P.4	Evaluate the performance and presentation skills of students.
						CO105P.5	Create and handle database operations using MS-Access
BCA-107P	Computer Laboratory and Practical Work of Programming Principle & Algorithm (PPA)	-	-	-	2	Course	Course Outcomes (CO)
						CO107P.1	Identify the basic concept of building block in C
						CO107P.2	Apply various operations using various operators in C
						CO107P.3	Analyze the structure of Loop and branching construct
						CO107P.4	Evaluate programming knowledge of problem solving by writing small programs
						CO107P.5	Assess the knowledge of user defined functions in C
BCA-008	ENVIRONMENTAL STUDIES	4	4	-	-	Course	Course Outcomes (CO)
						CO008.1	Identify environmental problems at local and national levels through literature and general awareness.
						CO008.2	Apply practical knowledge acquired through visits to wildlife areas, environmental institutes, and interactions with
						CO008.3	Analyze key environmental issues using an interdisciplinary approach and evaluate possibilities for mitigation.


						CO008.4	Evaluate their roles and identities as citizens, consumers, and environmental actors in a complex, interconnected
						CO008.5	Create strategies to motivate individuals to maintain a healthy and safe environment for all, ensuring a quality life
SEMESTER II		Credits					
Course Code	Course Name	Credits	Lecture	Tutorial	b/Practi	Course	Course Outcomes (CO)
BCA-201	Mathematics II	4	-	-	-		
						CO201.1	Understanding and problem identify by using mathematical principals
						CO201.2	Apply mathematical concept to the real - world.
						CO201.3	Analyze mathematical structure and algorithm
						CO201.4	Evaluate the accuracy and efficiency of the computational solutions
						CO201.5	Create mathematical modal for computational solution
BCA-202	C Programming	4	4	-	-	Course	Course Outcomes (CO)
						CO202.1	Understand the various concept of programming.
						CO202.2	Apply and implement the concept of pointers.
						CO202.3	Analyze and implement the concept of Strings.
						CO202.4	Evaluate the concept of stucture and union.
BCA-203	Organization Behavior	4	4	-	-	Course	Course Outcomes (CO)
						CO203.1	explain the concept of Organization Design and determine the factors that affect Organization Design.
						CO203.2	identify the components of Individual Behavior and apply the concept of Learning, Perception, Attitudes and values.
						CO203.3	explore various theories of motivation and their application in organizations and also apply these theories to practical
						CO203.4	Evaluate the behavior of individuals and groups in organizations.
						CO203.5	asses how organizational change and conflict affect working relationships within organizations and demonstrate how to apply
BCA-204	Digital electronics and Computer Organisation	4	4	-	-	Course	Course Outcomes (CO)
						CO204.1	Identify the basic concept of Combinational Circuit (Half Adder, Full Adder) as well as arithmetic and logical
						CO204.2	Apply the concepts to design Combinational as well as Sequential circuits.
						CO204.3	Analyze the design of Input /output system and Arithmetic Logic Unit. Understanding of Internal Parts and working
						CO204.4	Evaluate the design datapath and control unit of computer from its register transfer language description
						CO204.5	Assess algorithmically derive the concept of matrix multiplication on multiprocessor system, as well as the study of
BCA-205	Financial Accounting & Management	4	4	-	-	Course	Course Outcomes (CO)
						CO205.1	Understand the fundamental concepts and objectives of financial accounting
						CO205.2	Analyze financial statements using ratio analysis, funds flow analysis, and cash flow Analysis
						CO205.3	Evaluate the long-term sources of finance for businesses.
						CO205.4	Appraise the trade-off between liquidity and profitability in Working Capital Management
						CO205.5	Develop sound receivables management practices
BCA-206 P	Computer Laboratory and Practical Work of C Programming	4	4	-	2	Course	
						CO206.1	Course Outcomes (CO)
						CO206.2	Identify the use of array, string, pointer and functions and its process to declaration and defenition.
						CO206.3	Apply the concept of pointer with array, string and function
						CO206.4	Analyze the working of structuture and union
						CO206.5	Evaluate the use of arrays, structures and user defined functions.
SEMESTER III		Credits					create programs using file handling functions.
	Course Name	Credits	Lecture	Tutorial	b/Practi	Course	
BCA-301	Object Oriented Programming Using C++	4	3		2		Course Outcomes (CO)
						CO301.1	
						CO301.2	Understand the concept of object - oriented programming to implement application.
						CO301.3	Apply the insight of class, object, and constructor.
						CO301.4	Analyze oops concepts (i.e. inheritance and polymorphism)
						CO301.5	Evaluate the concepts of exception handling.

BCA-302	Data Structure Using C & C++	4	4	-	2		Assess object-oriented file handling concepts to implement real world problems.
						CO302.1	
						CO302.2	Understand various data structures as arrays, linked lists, stacks, queues, and trees representation in memory, used by
						CO302.3	Apply the concept of recursion, application of recursion and its implementation.
						CO302.4	Analyze Trees, Traversal Algorithms and perform various operations on these data structures.
						CO302.5	Evaluate the computational efficiency of various sorting and searching algorithms.
BCA-303	Computer Architecture & Assembly Language	4	4	-	-		Assess the alternative implementations of data structures with respect to their performance to solve a real-world
						CO303.1	
						CO303.2	Understand the basic components and operation of a digital computer system.
						CO303.3	Apply the design of arithmetic & logic unit and understanding of the fixed point and floating-point arithmetic
						CO303.4	Analyze the control unit techniques and the concept of Pipelining
						CO303.5	Evaluate the hierarchical memory system, cache memories and virtual memory.
BCA-304	Business Economics	4	4	-	-		Assess different ways to communicate with I/O devices and standard I/O interfaces.
						CO304.1	
						CO304.2	Understand the basic elements of Business Economics aspects, nature and decision making.
						CO304.3	Identify Pricing policy under different market competitions and apply methods for production to minimize the cost
						CO304.4	Analyse how markets work to allocate resources and the optimal individual decision-making that underlies market
						CO304.5	Evaluate various market structures and discuss their implications for resource allocation
BCA-305	Elements of Statistics	4	4	-			Assess the advantages and potential shortcomings of markets, discuss the conditions under which markets work
						CO305.1	
						CO305.2	Understand the concept of Sampling, Classification, Frequency distribution, Permutation & Combination,
						CO305.3	To apply basic ideas of statistics as measures of central tendency, Dispersion, Permutation and Combination.
						CO305.4	Analyzing statistical data with the help of Central Tendency & Dispersion, Control Limits, tolerance limits and
						CO305.5	To Evaluate Nature of data, probability and random variables with various discrete and continuous probability
BCA-306P	Computer Laboratory and Practical Work of OOPS	4	4	-	-		To Create Statistical Quality Control Charts, Relative Measures of Dispersion.
						CO306P.1	
						CO306P.2	Identify real world problem and understand about class and object
						CO306P.3	Apply Object oriented approach for finding Solutions to various problems with the help of C++ language.
						CO306P.4	Analyze programming based solutions to various real-world problems using C++
						CO306P.5	Evaluate the concepts of object oriented approach towards problem solving
BCA-307P	Computer Laboratory	2	2	-	2		create File handling program
						CO307P.1	
						CO307P.2	
						CO307P.3	Identify appropriate constructs of Programming language, coding standards for application development.
						CO307P.4	Apply programming skills for solving problems.
						CO307P.5	Evaluate the problems involve in graphs, trees and heaps.
							Create Algorithms for solving problems like sorting, searching, insertion and deletion of data.
SEMESTER IV		Credits					
Course Code	Course Name	Credits	Lecture	Tutorial	Practical	Course	
BCA-401	Computer Graphics & Multimedia Application	4	4	-	2		Course Outcomes (CO)
						CO401.1	
						CO401.2	Understand the basics of computer graphics, various graphics systems and applications of computer graphics.
						CO401.3	Apply various algorithms for scan conversion and filling of basic objects and their comparative analysis.
						CO401.4	Analyze the geometric transformations on graphics objects and their application in composite form.
						CO401.5	Evaluate the scene with different clipping methods and its transformation to graphics display device.
BCA-402	Operating System	4	4	-	2		Create projections and visible surface detection techniques for display of 3D scene on 2D screen & create
						CO402.1	
						CO402.2	Understand the basic components of operating system and their functions
						CO402.3	Apply algorithms for deadlock problems, file system concepts & storage structures and process concepts on
						CO402.4	Analyze different memory management techniques, process coordination and disk scheduling algorithms
						CO402.5	Evaluate the requirement for process synchronization and coordination handled by operating system.
		4	4	-	-		Create (Formulate) the solutions to schedule the real time applications

BCA-403	Software Engineering					CO403.1	
						CO403.2	Understand and Identify various software characteristics and compare different software Development Models
						CO403.3	Apply the contents of a SRS and implement basic software quality assurance practices to ensure that design,
						CO403.4	Analyse various methods for software design
						CO403.5	Evaluate the design testing strategy for software systems, employ techniques such as unit testing, Test - driven
BCA-404	Optimization Techniques	4	4	-	-		Assess the software development process independently as well as in teams and make use of Various software
						CO404.1	
						CO404.2	Understand the Concepts of LPP, Queuing Theory, Replacement Theory, Inventory Theory and Job Sequencing
						CO404.3	Apply optimization techniques in solving LPP, Queuing Theory, Replacement Theory, Inventory Theory and Job
						CO404.4	Analyze different solution aproach for an optimization problem
					CO404.5	Evaluate Optimal Solutions.for Replacement, and LPP Problems	
BCA-406	Mathematics III	4	4	-	-		Create (Formulate) Optimal Solutions for real life Problems.
						CO406.1	
						CO406.2	Understanding and problem identification by using mathematical principles.
						CO406.3	Apply Mathematical Concepts and methods to develop efficient and optimize solution.
						CO406.4	Analyze complex mathematical problems and derive appropriate solution.
					CO406.5	Evaluate the effectiveness of various methods to solve computational problems.	
BCA-405P	Computer Laboratory and Practical Work of Computer Graphics & Multimedia Application	4	4	-	-		Create innovative mathematical models for further solution.
						CO405P.1	
						CO405P.2	Understand the appropriate Programming User-interfaces
						CO405P.3	Apply the Concepts of 2D & 3D object representation & transformation
						CO405P.4	Analyze various scan & clipping algorithms
					CO405P.5	Evaluate the Implementation of 2D object's visibility detection & viewing	
SEMESTER 5		Credits					Create the multimedia project based on learned concepts
Course Code	Course Name	Credits	Lecture	Tutorial	b/Practi	Course	
BCA-501	Introduction to DBMS	4	4	-	2		Course Outcomes (CO)
						CO501.1	
						CO501.2	Understand knowledge of database for real- life applications.
						CO501.3	Apply query processing techniques to automate the real - time problems of Database
						CO501.4	Analyze and solve the redundancy problem in database tables using normalization.
					CO501.5	Evaluate and understand the concepts of transactions, their processing so they will be familiar with broad range of	
BCA-502	Java Programming and Dynamic Webpage Design	4	4	-	2		Create a small database project using database tools.
						CO502.1	
						CO502.2	Understand the concept of packages, multi-threading,exception handling and JDBC.
						CO502.3	Apply the knowledge of JSP,EJB and ODBC in making dynamically databse connected web pages.
						CO502.4	Analyze how data is being retrieved from database and forms using various RMI Layers.
					CO502.5	Evaluate the reports and results generated by the software being designed.	
BCA-503	Computer Network	4	4	-	-		Create various softwares using swings and Jsp.
						CO503.1	
						CO503.2	Understand basic concepts, OSI reference model, services and role of each layer of OSI model and TCP/IP,
						CO503.3	Apply channel allocation, framing, error and flow control techniques.
						CO503.4	Analyze Implementation of functions of Network Layer i.e. Logical addressing, subnetting & Routing Mechanism.
						CO503.5	Evaluate of Transport Layer function i.e. Port addressing, Connection Management, Error control and Flow control
BCA-504	Numerical Methods	4	4	-	-		Create Implemenation of functions offered by session and presentation layer and their Implementation. Also
						CO504.1	
						CO504.2	Understand common numerical methods and how they are used to obtain approximate solutions.
						CO504.3	Apply numerical methods to obtain approximate solutions to mathematical problems.
						CO504.4	Analyse the accuracy of common numerical methods.
					CO504.5	Evaluate critical thinking skills in assessing the suitability of numerical methods for specific problems.	
	Computer Laboratory	2	2	-	2		Create efficient, well-documented and present numerical results in an informative way.
						CO505P.1	

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BCA-505P	Computer Laboratory and Practical Work of DBMS					CO505P.2	Understand and identify various queries and their execution
						CO505P.3	Apply SQL DML/DDL commands to populate and query a database
						CO505P.4	Analyze the integrity constraints on a database
						CO505P.5	Evaluate PL/SQL including stored procedures, stored functions, cursors, packages
BCA-506P	Computer Laboratory and Practical Work of Java Programming and Dynamic Webpage Design					CO506P.1	Create a simple database system and demonstrate competence with the fundamental tasks involved with modelling,
						CO506P.2	Understand the concept of classes, objects, members of a class and relationships among them needed for a specific
						CO506P.3	Apply SQL DML/DDL commands to populate and query a database using Jdbc-Odbc.
						CO506P.4	Analyze the implementation of Applet and packages
						CO506P.5	Evaluate the outputs of RMI, EJB and JSP .
BCA-507M	Minor Project	4	-	-	4		Create dynamic web pages in JSP
						CO507MP.1	
						CO507MP.2	Understand the components used in an Online Project with advanced technologies of their choice.
						CO507MP.3	Apply the Concepts & Technology to match with the SRS.
						CO507MP.4	Analyze the gaps between SRS & Project Outcome to develop a project professionally.
						CO507MP.5	Evaluate the Project Deployment and Maintenance.
BCA-508ST	Viva-Voice on Summer Training						Access the Project for being Scalable and of Public Use.
						CO508ST.1	
						CO508ST.2	Understand the knowledge, attitudes, and perceptions essential for developing a professional identity through on-
						CO508ST.3	Apply theoretical knowledge in real-world settings through supervised professional experiences.
						CO508ST.4	Analyze the operations of authentic organizations to gain insight into their functioning.
						CO508ST.5	Evaluate the interconnections between various functions and departments within organizations.
SEMESTER 6		Credits					Create an encompassing perspective of business organizations, assessing them in their entirety.
Course Code	Course Name	Credits	Lecture	Tutorial	b/Practi	Course	
BCA-601	Computer Network Security	4	4	-	-		Course Outcomes (CO)
						CO601.1	
						CO601.2	Understand the concept of cryptography with the different Network Models.
						CO601.3	Apply different network security, Authentication protocols and their application.
						CO601.4	Analyze IP Security that can be used to connect different network
						CO601.5	Evalute the concept of Secure socket layer ,TCP layer and architecture of SNMP server.
BCA-602	Information System: Analysis Design & Implementation	4	4	-	-	CO602.1	Assess the functioning of intruders, viruses, firewall and threats.
						CO602.2	Understand the concept of logical design, physical design, test planning, implementation, planning and performance
						CO602.3	Apply specific Model.
						CO602.4	Analyze dataflow diagram, quality metrics,package evaluation and acquisition.
						CO602.5	Evaluate design of output and control, file design/database design, process, user interface design.
BCA-603	E-Commerce	4	4	-	-	CO603.1	Assess object modeling, dynamic modeling and functional object system for implimentation.
						CO603.2	Understand the recent trends in e-commerce to equip students with up-to-date knowledge.
						CO603.3	Apply skills in website management relevant to industry needs.
						CO603.4	Analyze the nature and current trends of e-commerce for comprehensive understanding.
						CO603.5	Evaluate the significance of advertising and marketing within the realm of e-commerce.
BCA-604	Knowledge Management	4	4	-	-	CO604.1	Create assessments of e-commerce models and identify the prerequisites for initiating and maintaining e-business
						CO604.2	Understand the different knowledge management concepts.
						CO604.3	Apply knowledge management concepts in data mining and knowledge discovery.
						CO604.4	Analyze and understand the use of one of the approaches of MIS i.e. Executive information system for developing
						CO604.5	Evaluate different approaches of MIS and take business decisions for different organizations. CO5: Analyze the
BCA-605P	Major Project	4	-	-	4	CO605P.1	Assess the relationship between information, tacit knowledge, explicit knowledge and organizational
						CO605P.2	Understand the components used in an Online Project with advanced technologies of their choice.
						CO605P.3	Apply the Concepts & Technology to match with the SRS.
						CO605P.4	Analyze the gaps between SRS & Project Outcome to develop a project professionally.
						CO605P.5	Evaluate the Project Deployment and Maintenance.
						CO605P.6	Access the Project for being Scalable and of Public Use.


Director
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Program Name: BIOTECHNOLOGY						
COURSE OUTCOMES (COs)						
B.Sc. (H) BIOTECHNOLOGY I Year						
Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
B.Sc. BT101	Biochemistry	2	2	0	2	CO101.1 : Identify the basic concept, structure, chemical nature, types and properties of biomolecules in the cell.
						CO101.2 : Apply the depth knowledge of classification of different biomolecules.
						CO101.3 : Analyze concept of metabolism in aspect of biomolecules.
						CO101.4 : Evaluate the concept of microbes, industries and environment in biotechnology
						CO101.5: Assess the role of enzymes, vitamins in living organisms.
B.Sc. BT102	Biophysics	2	2	0	2	CO102.1 : Understand of the entire fundamentals of Biophysics
						CO102.2 : Apply the practical role and importance of various aspects of the subject.
						CO102.3 : Analyze biophysics as an interdisciplinary research field.
						CO102.4 : Evaluate and understand the nuclear interactions of biological system.
						CO102.5: Apply the importance of the nature of biological materials
B.Sc. BT103	Cell Biology	2	2	0	2	CO103.1 : Analyse the origin of living organisms
						CO103.2 : Create the differences between Eukaryotic & Prokaryotic cells.
						CO103.3 : Evaluate the process of cell cycle through cell division.
						CO103.4 : Apply the cell signalling process in living system.
B.Sc. BT104	Microbiology	2	2	0	2	CO104.1 : Identify the various classifications of microbes
						CO104.2 : Apply the concept of various microbial strains and their growth pattern
						CO104.3 : Analyse the application of different microbes from industrial point of view
						CO104.4 : Evaluate disease causing micro-organisms.
						CO104.5 : Assess various methods of sterilization and culture growth.
B.Sc. BT105	Genetics	2	2	0	2	CO105.1 : Able to impart knowledge about the fundamentals of genetics.
						CO105.2 : Summarizing about various essential classical and contemporary approaches and methods to study chromosome, genes and genome.
						CO105.3 : Discussing linkage and crossing over and their significance in mapping.
						CO105.4: Introducing different patterns gene transfer and mode of inheritance observed across biological system.
						CO105.5: Analysing knowledge of multiple alleles,chi-square test & hardy-Weinberg law.
B.Sc. BT106	Instrumentation and Bio-Analytical Techniques	2	2	0	2	CO106.1 : Able to provide a comprehensive understanding of different techniques in biotechnology.
						CO106.2 : Provide students with technical and analytical skills with general understanding of the standard laboratory tools, procedures and process of biological research.
						CO106.3 : Understanding of Isolation, purification and characterization of biological samples using sophisticated analytical experimental techniques.
						CO106.4 : Learning the importance of radioisotope & autoradiography in molecular biology.
						CO106.5 : Able to provide scientific understanding of instrumentation, operation, interpretation of data and its applications
						CO107.1 : To Conceptual understanding with unified knowledge.
						CO107.2 : To knowledge of general mathematical principles.

B.Sc. BT107	BIOMATHEMATICS	2	2	0	2	CO107.3 : To Knowledge of theoretical as well as practical concepts of mathematics.
						CO107.4 : To discuss problem posing and solving.
B.Sc. BT108	Chemistry	2	2	0	2	CO108.1 : Understanding the entire concept of Chemistry.
						CO108.2 : Summarise the concept of elements placed on the periodic table due to similar properties.
						CO108.3 : Analyze the knowledge of the structure, bonding and hybridization of different compounds and ionic properties.
						CO108.4 : Understanding the core criteria of compounds of elements belonging to s, p and noble gases.
						CO108.5: Evaluation of heterogeneous catalytic chemical kinetics.
B.Sc. BT109	Biodiversity	2	2	0	2	CO109.1 : Understanding the basic concept of biodiversity of species richness, abundance and pattern of diversity of flora and fauna.
						CO109.2 : Identification of the element of biodiversity of ecosystem diversity, species diversity and genetic diversity
						CO109.3 : Analyze about the global and geographical pattern of biodiversity for measuring, cataloguing and discovering the species.
						CO109.4 : Evaluation of the threats of biodiversity and problems in controlling trading of species.
						CO109.5 : Assessment the effect on environment due to In-situ and Ex-situ conservation of species.
B.Sc. (H) Biotechnology II Year						
Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
B.Sc. BT201	Fundamentals of Computer & Bioinformatics	2	2	0	2	CO201.1 : Understanding the role of computers and network on the biological sciences.
						CO201.2 : Analyzing the various networking process cof copmuters and their role.
						CO201.3 : Understand the basic concept, scope and application of Bioinformatics in biological sciences.
						CO201.4 : Evaluation of various biological databases in bioinformatics.
						CO201.5: Analyzing the biological data through bioinformatic tools and technique.
B.Sc. BT202	Bioenergetics and Biomembranes	2	2	0	2	CO201.1 : Identify tthe basic concept and laws of thermodynamics and their role in the cell.
						CO202.2 : Apply the knowledge of metabolic activity in cell and stthe concept of metabolism in aspect of biomolecules.
						CO202.3 : Analyze the breakdown of molecules of biomolecules.
						CO202.4 : Evaluate the biomembranes and types and their role in cell.
						CO202.5: Assess the role ofv transport in aspect of cell.
B.Sc. BT203	Molecular Biology	2	2	0	2	CO203.1 : Identify the mechanisms that underpin human inheritance
						CO203.2 : Understand chemical and molecular processes that occur in and between cells.
						CO203.3 : Apply of the role of molecular factors in health and disease.
						CO203.4 : Evaluate the role of gene in regulation in living organisms.
						CO204:5: Analyze the genetic material degradation
B.Sc. BT204	Molecular Genetics & Cytogenetics	2	2	0	2	CO204.1 : Introducing the fundamentals of Molecular and Cytogenetics to the students.
						CO204.2 : Describing the concepts associated with chromosomal aberrations and how these can result in changes at phenotypic & genotypic level.
						CO204.3 : Explaining the role of numerical aberrations in evolution of crops and chromosome mapping.
						CO204.4 : Understanding plant breeding and their role in crop improvement.
						CO204.5: Summarizing molecular markers and their significance.
						CO205.1 : Describe the components of our immune system

B.Sc. BT205	IMMUNOTECHNOLOGY & IMMUNOLOGY	2	2	0	2	CO205.2 : Analysis the assays techniques in immunology
						CO205.3 : Evaulate the application of antibodies in treatment of diseases
						CO205.4 : Understand the Immune system disorders
						CO205.5: Assess the immunology concept for living organisms.
B.Sc. BT206	Recombinant DNA Technology	2	2	0	2	CO206.1 : Understanding the gene cloning and tools and techniques.
						CO206.2 :Constructing cDNA library by the manipulation of DNA using DNA Modifying enzymes.
						CO206.3 : Characterising genes using recombinant DNA technology with the help of high throughput applications like DNA sequencing
						CO206.4 : understanding Gene expression assays for targeted genes.
						CO206.5 : understanding the site directed mutagenesis to characterize targeted DNA.
B.Sc. BT207	Animal physiology	2	2	0	2	CO207.1 : Understand the fundamental principles of animal physiology.
						CO207.2 : Analyze the structure and functions of important physiological systems including the cardio-respiratory, digestive, renal, reproductive and metabolic systems.
						CO207.3 : Apply the principles to be incorporated into the adaptations of different animal groups.
						CO207.4 :Evaluate the application about different patterns of animal and human behaviour.
						CO207.5 : Assess the types of immune cells, their role in preventing the disease.
B.Sc. BT208	Plant physiology	2	2	0	2	CO208.1 : Identify the PLANT PHYSIOLOGY
						CO208.2 : Apply the PLANT PHYSIOLOGY techniques.
						CO208.3 : Analyze the PLANT PHYSIOLOGY system and its relation to various infectious diseases.
						CO208.4 : Evaluate the different growth techniques in plants.
						CO208.5 : Assess plant growth and germination
B.Sc. BT209	Enzymes and Enzyme Technology	2	2	0	2	CO209.1 :Understand the basic concepts of enzymes and their functions.
						CO209.2 :Assess the students learn about isolation and purification of enzymes.
						CO209.3 : Identify the different approaches of enzyme engineering that can be utilized in various fields of biological sciences
						CO209.4 : Apply the concepts of enzyme applications.
B.Sc. (H) Biotechnology III Year						
Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
						CO301.1 : Understand the entire concepts of Plant Biotechnology.
B.Sc. BT301	Plant Biotechnology	2	2	0	2	CO301.2 : Evaulate the role and influence of Plant Biotechnology techniques on human welfare.
						CO301.3 : Assess and select the appropriate applications, concepts and techniques to suit specific production of crop verieties.
						CO301.4 : Identify the technology of transgenic plants
						CO301.5 : Apply the biotechnology to transfer the gene in plants
						CO302.1 : To understand the Basic concepts of Biotechnology, bacterial and animal cloning.
						CO302.2 : To understand the role of Biotechnology for human welfare in production of recombinant products at industrial level and production of transgenic verities.
						CO302.3 : To provide a better understanding of Biotechnology to the student and assist to get novel ideas for human welfare.
						CO302.4 : To understant the tissue engineering process.

B.Sc. BT302	Animal Biotechnology	2	2	0		
B.Sc. BT303	Molecular Virology	2	2	0	2	CO303.1 : Identify the nature of viruses, including their structure, replication and classification.
						CO303.2 : Analyze how infection and replication of viruses is constrained by the viral genome and host immune defenses.
						CO303.3 : Apply the methodological approaches in diagnostic investigation of infectious diseases and the epidemiology of infections.
						CO303.4 : Evaluate the role of various serological and molecular methods in virus identification and detection.
						CO303.5 : Assess the organization of genome in viruses.
B.Sc. BT304	NANOBIOTECHNOLOGY	2	2	0	2	CO304.1: Able to understand basics of nanotechnology and their applications.
						CO304.2 : Able to know the preparation and characterization of appropriate nano materials with precision.
						CO304.3 : The course introduces to the new and novel applications to solve biomedical problems through nanotechnology
						CO304.4 : To understand the role of immunology in field of nanotechnology.
						CO304.5 : Able to understand the role of immunology in the field of nanotechnology.
B.Sc. BT305	Environmental Biotechnology	2	2	0	2	CO305.1 : Evaluate the concept of renewable and non renewable sources along with their impact on environment
						CO305.2 : Apply the utility of green energy fuel and their applications
						CO305.3 : Analyse the treatment of industrial effluents by microbes: a conventional approach
						CO305.4 : Enumerate the environmental impact on transgenic organism
B.Sc. BT306	Industrial Biotechnology	2	2	0	2	CO306.1 : To understand the concept of bioassessment of fermentation
						CO306.2 : To explore about various kinds of bioreactors in brief and their working principle and applications
						CO306.3 : To study about numerous industrial enzymes: production & applications
						CO306.4 : To understand the students will get to know about the utilization of industrial enzymes in dairy and food industry
B.Sc. BT307	Genomics and Proteomics	2	2	0	2	CO307.1Able to understand the concept of Genomics and Proteomics
						CO307.2Able able to understand the practical role and importance of various techniques of Genomics and Proteomics in various biological experiments
						CO307.3 :Able to assess and select the appropriate applications, concepts and techniques to suit specific experiment
						CO307.4Able to understand and utilize algorithms in genomics and proteomics.
						CO 307.5Explore various Proteomics Strategies and their applications
B.Sc. BT308	biosafety, IPR and entrepreneursh	2	2	0	2	CO 308.1 : Identify specialized theoretical knowledge of biosafety, IPR and entrepreneursh
						CO308.2 : apply knowledge about patent in India, licensing and bioethics for transgenes.
						CO308.3 : Analyze the issues related to biosafety, IPR and entrepreneurship development which can be related to research in new or interdisciplinary fields.
						CO308.4 : Evaluate the role of patent and its rule and regulation.
						CO308.5 : Assess the bioethical issues related to GMO's.

B.Sc. BT309	Recent trends in biotechnology	2	2	0	2	CO309.1 : Identifying and analyzing the current trends in biotechnology
						CO309.2 : Describing common methodologies used in biotechnological processes
						CO309.3 : Communicating depth knowledge on topics covered in the area of advanced biotechnology
						CO309.4 : Understanding the different techniques like seed termination technology bioremediation.
						CO309.4 : Understanding the Application of biotechnology for biofuels: transforming biomass to biofuels
B.Sc. BT310	Transcriptomics and Metabolomics	2	2	0	2	CO310.1 Able to understand the concepts of Transcriptomics and Metabolomics
						CO310.2Able to analyse the metabolomics and its engineering.
						CO310.3 Able to understand the students will learn metabolic engineering and how it is used at industrial level
						CO310.4Explore the approaches to analyse metabolome
						C 310-.5 Student will learn various techniques used for transcriptomics analysis
B.Sc. BT311	Bioprocess Engineering and Technology	2	2	0	2	CO311.1 : understanding the basic principle of biochemical engineering
						CO311.2 : Identify the significance of aeration and agitation for synthesis of bioproducts and modes of operation of Fermenter.
						CO311.3 : Explain the downstream processing and subsequent purification of a target therapeutic protein.
						CO311.4 : Elaborates the quality of food products and changes in components during food preparations.
						CO311.5: Assess the mechanism and application of enzyme.


 Director
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 Dr. Arun Kumar Singh

Program Name: MICROBIOLOGY

COURSE OUTCOMES (COs)

B.Sc. (H) Microbiology I Year

Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
B.Sc. MB 101	Fundamental of Microbiology	4	2		2	CO101.1 : Identify different scope and professions related to microbiology
						CO101.2 : Apply the understanding of the discovery of microbes, isolation of microbes and different groups of microbes
						CO101.3 : Analyze the overview on microbes classification and characterization
						CO101.4: Evaluate the different staining techniques for the identification of microorganisms.
						CO101.5: Assess the morphology of viruses and isolation of pure culture techniques.
B.Sc. MB 102	Bacteriology	4	2		2	CO102.1 : Identify the basic cell structure and metabolism.
						CO102.2 : Evaluate the three domains of living organisms and their morphological and physiological diversity (Bacteria, Archaea,)
						CO102.3 : Apply the classification scheme used in Bergey's Manual of Systematic Bacteriology
						CO102.4 : Analyze the knowledge about the three domains of living organisms and their morphological and physiological diversity of Eucarya
B.Sc. MB 103	Virology	4	2		2	CO103.1 : Identify the distinctive characteristics between prokaryotes, eukaryotes and viruses. The biological, chemical and physical properties of viruses, viroids and prions
						CO103.2 : Apply the principles of viral taxonomy and their classification.
						CO103.3 : Analyze the mechanism, steps of viral replication and challenges faced by them during their replication in the host cell.
						CO103.4 : Evaluate the importance of viruses as disease causing agents and use in biotechnology.
						CO103.5 : Assess the biological, chemical and physical properties of viruses, viroids and prions.
B.Sc. MB 104	Mycology, Phycology and Protozoology	4	2		2	CO104.1 : Introduction to the students with history, definition and classification of Mycology, Phycology and Protozoology
						CO104.2 : Awaring to the student with general characteristics of fungi and algae and to provide students with opportunities to develop basic methods to identify algae, fungi and protozoa.
						CO104.3 : Analyzing the identification methods and general characristics of algae
						CO104.4 : Evaluating different species of fungi and their causing disase
						CO104.5 : Evaluating differnt species of algae and their economic importance
B.Sc. MB 105	Biochemistry	4	2		2	CO105.1 : Identify the basic concept, structure, chemical nature, types and role of biomolecules in the cell.
						CO105.2 : Apply the depth knowledge of biomolecules.
						CO105.3 : Analyze the structure and function of building blocks of body in aspect of biomolecules.
						CO105.4 : Evaluate the structure and function of macromolecules.
						CO105.5: Assess how metabolic pathways of carbohydrates and their role in photosynthesis and nitrogen fixation.
						CO106.1 : Identify Biophysical techniques and their application in understanding structure and conformation of biological macromolecules, structure – function relationships, molecular transport within the cell and across membranes
						CO106.2 : Analyze the entire concept of Biophysics.

B.Sc. MB 106	Biophysics	4	2		2	CO106.3 : Apply the practical role and importance of various aspects of the subject.
						CO106.4 : Evaluate the electrical properties of biological component.
						CO 105.5: Assess the biomechanics
B.Sc. MB 107	Instrumentation and Cultural Techniques	4	2		2	CO107.1 : Able to provide students with a comprehensive understanding of different techniques in Microbiology.
						CO107.2 : Able to provide students with technical and analytical skills with general understanding of the standard laboratory tools, procedures and process of biological research.
						CO107.3 : To gain better understanding of Isolation, purification.
						CO107.4 : To understand the characterization of Microbial Cultures.
						CO107.5 : Able to introduce the student to principles and theory of instrument analysis.
B.Sc. MB 108	Analytical Techniques	4	2		2	CO108.1 : Able to Understand the working and principles of advanced instruments and their applications in analysis.
						CO108.2 : Able to acquaint with steps involved in the production of bioproducts and methods to improve modern biotechnology.
						CO108.3 : To understand the importance of Radioisotope tracer technique in biological studies
						CO108.4 : To understand the basic principles of all the techniques.
						CO108.5 : Able to understand the importance of Radioisotope tracer technique in biological studies
B.Sc. MB 109	Biology -S-1	4	2		2	CO109.1 : Identify evolutionary theories and foundations of molecular biology.
						CO109.2 : Apply the biological methods.
						CO109.3 : Analyze the classical identification of animals .
						CO109.4 : Evaluate the classical identification of plants.
						CO109.5: Assess the keys for identification of plants and animals
B.Sc. MB 110	Biology -S-2	4	2		2	CO110.1 : Introduction to students with general classification and their chracteristics of lower plants (algae, bryophyte etc)
						CO110.2 : Understanding the details of animal and plant tissue.
						CO110.3 : Identification of the process of membrane transport system
						CO110.4 : Evaluate the various factors of photosynthesis in green plant
						CO110.5: Analyze the mechanism of photosynthesis in green plants
B.Sc. (H) Microbiology II Year						
Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
B.Sc. MB 201	Cell Biology	2	2	0	2	CO201.1 : Apply the knowledge of origin and history of cell.
						CO201.2 : Evaluate the structure and function of different cell organelles.
						CO201.3 : Understanding the knoweledge of bacteria on the basis of cell wall.
						CO201.4 : Analyse the bacterial cell wall composition
	Reproduction and Differentiation					CO202.1 : Apply the knowledge of cell, its genetic material and its mechanism of division
						CO202.2 : Identify the mechanism of chemical signal of bacteria cell
						CO202.3 : Analyse the mechanism of the division of cell.
						CO202.4 : Evaluate the signalling of cell and its importance.

B.Sc. MB 202		2	2	0	2	
	Microbial Physiology					CO203.1 : Identify in-depth understanding of physiology of different microbes and its importance. CO203.2 : Apply the concept of physiology and metabolism along with the practical role and importance of these biological processess. CO203.3 : Analyze the role and influence on making life of humans healthy. CO203.4 : Evaluate the mechanism of photosynthesis. CO203.5: Assess the bacterial growth and various factors affecting their growth
B.Sc. MB 203		2	2	0	2	
	Microbial Matabolism					CO204.1 : understanding the role of microorganisms in metabolism. CO204.2 : Analyze the different process of energy generation and importance of ATP CO204.3 : Identify the role of nitrogen in nature and in living organisms. CO204.4 : Apply the importance of metaboilsm in microorganisms and process of metabolism. CO204.5 : Assess the concept of secondary metabolites.
B.Sc. MB 204		2	2	0	2	
	Molecular Biology					CO205.1 : Identify understand core concept of molecular biology CO205.2 : Analyze the fundamental structure, properties and processes in which nucleic acids play a part. CO205.3 : Apply the mechanisms that underpin human inheritance CO205.4 : Evaluate the gene regulation mechanism CO205.5: Assess the degradation of nucleic acid
B.Sc. MB 205		2	2	0	2	
	Microbial Genetics					CO206.1 : Understanding the fundamentals of genetic material and concept of lethality and multiple alleles. CO206.2 : Summarising principles of inheritance & their applications and various other genetical concepts including linkage and crossing over. CO206.3 : Comprehending the definition of gene in different eras. CO206.4 : Able to understand the role of gene in mutation in prokaryotes and eukaryotes. CO206.5: Introducing the concept of extra-chromosomal inheritance.
B.Sc. MB 206		2	2	0	2	
	Biomaths					CO207.1 : To enable the students to develop logical and numerical skills. Students will apply the process of mathematical problem solving utilizing a variety of techniques. CO207.2 : To develop thinking and reasoning power of students. Students will demonstrate critical-thinking and problem-solving skills. CO207.3 : To perform mathematical operations and manipulations with confidence, speed and accuracy. A conceptual understanding of matrix, differential calculus and integral calculus will be developed among the students. CO207.4 : To understand the integral calculus.
B.Sc. MB 207		2	2	0	2	
	Biostats					CO208.1 : To choose appropriate statistical methods and apply them in various data analysis problems CO208.2 : To understand the role of statistics and its applications in the field of biological sciences. CO208.3 : To equip students with requisite quantitative skills that help to design data collection plans, analyze data appropriately and draw conclusion from these analysis. CO208.4 : To understand how to apply correlation and regression in data.
B.Sc. MB 208		2	2	0	2	
						CO208.1 : To introduce to the students the fundamentals and basic requirements of computer science

B.Sc. MB 208	Computers	2	2	0	2	CO208.2 : To enable the student to gain an understanding of the core concepts and technologies which constitute Information Technology
						CO208.3 : To articulate and demonstrate these basic fundamental concepts to the students
						CO208.4: To understand the application of computer in different fields.
B.Sc. MB 209	Zoology (S3)	2	2	0	2	CO209.1 : Understand the structure of heart, mechanism of circulation, composition of blood and their function.
						CO209.2 :Analyze the excretion process, structure of kidney and mechanism of urine formation, osmoregulation in animals and their function.
						CO209.3 : Apply the fundamental knowledge of respiration process in higher plants with particular emphasis on aerobic and anaerobic respiration and in animals, how the mechanism of transport of gases at tissues and lungs level occurs.
						CO209.4 : Evaluate the composition of food and mechanism of digestion, absorption and assimilation in animals and human.
						CO209.5 : Assess the translocation of solutes in plants and knowledge about insectivorous plants.
B.Sc. MB 210	Botany (S-4)	2	2	0	2	CO210.1 : Undersatnding the importance of growth and developments in plants and animals.
						CO210.2 : Analyzing the coordination and balance in plants
						CO210.3 : Evaluation of the role of different sensory organs in animals and their role in the process of nervous system.
						CO210.4 : Assess the role of homeostasis and thermoregulation process in animals
						CO210.5 : Evaluating the types of animal behaviours and various experiments related to their coordination.
B.Sc. Microbiology III Year						
Course Code	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
B.Sc. MB 301	IMMUNOLOGY	2	2	0	2	CO301.1 : To understand about Historical Developments, Non- specific defense mechanisms – phagocytosis, Types of Immunity
						CO301.2 : To understand about Antigen-antibody Reactions: Agglutination, Precipitation, Neutralisation, Complement Fixation. A brief idea of Immunodiffusion, Immunoelectrophoresis, ELISA, RIA, production of monoclonal antibodies.
						CO301.3 : To understand about Hypersensitivity and allergio reactions. Autommune diseases, Rheumatoid arthritis, Pernicious anaemia, asthma, Hashimoto’s thyroiditis, Myasthenia gravis. Vaccines of different generations and Vaccination
						CO301.4 : To understand the different diseases due to the less immunity.
B.Sc. MB 302	MEDICAL MICROBIOLOGY	2	2	0	2	CO302.1 : Understand about Infection: Mechanism of Infection, Virulence (Toxigenicity), Transmission of Infection Disease (Food – borne, Water - borne, Air borne, Soil – borne, fomites).
						CO302.2 : Analyze the diagnostic feature of bacterial, viral and protozoan diseases.
						CO302.3 : Apply the knowledge to study symptoms.
						CO302.4 : Evaluate the Important fungal diseases – Athlete’s Foot, Mycetoma, Aspergillosis, Candidiasis.
						CO302.5 : Assess the knowledge about chemotherapy and the mode of action of antibiotics.
						CO303.1 :Identify the major microorganisms found in food and dairy products, including bacteria, yeasts, molds, and viruses, and describe their characteristics and roles in food microbiology.
						CO303.2 : Analyze the processes and conditions that affect microbial growth in food and dairy products, including environmental factors, nutrient availability, and preservation methods

B.Sc. MB 303	Food & Dairy Microbiology	2	2	0	2	CO303.3 : Apply microbiological techniques and methodologies to detect, enumerate, and control microorganisms in food and dairy samples, ensuring food safety and quality.
						CO303.4 : Evaluate the effectiveness of various food preservation techniques, such as pasteurization, sterilization, refrigeration, and chemical preservatives, in inhibiting microbial growth and prolonging shelf life.
						CO303.5 : Assess the risk of microbial contamination in different food and dairy processing environments and develop strategies to minimize such risks, ensuring compliance with food safety regulations and standards.
B.Sc. MB 304	Agricultural Microbiology	2	2	0	2	CO304.1 : Conceptualizing the basic structure of soil and its type
						CO304.2 : Imparting knowledge about the role of microbes and their significance in soil formation.
						CO304.3 : Providing knowledge about microorganisms as components of the environment, nutrient cycling processes, interactions within microorganisms, interaction microorganism-plant
						CO304.4 : Summarizing the role of microorganism in biopesticides and biofertilizers
						CO304.5: Understanding the disease problems and their management on economically important fruit and vegetable crops.
B.Sc. MB 305	Recombinant DNA Technology	2	2	0	2	CO305.1 : Understanding the gene cloning and tools and techniques.
						CO305.2 :Constructing cDNA library by the manipulation of DNA using DNA Modifying enzymes.
						CO305.3 : Characterising genes using recombinant DNA technology with the help of high throughput applications like DNA sequencing
						CO305.4 : Understanding Gene expression assays for targeted genes.
						CO305.5 : Understanding the Site directed mutagenesis to characterize targeted DNA.
B.Sc. MB 306	Industrial Microbiology	2	2	0	2	CO306.1 : To study about the characteristics of industrially important microbes and their acquisition in nature
						CO306.2 : To understand about the fundamentals of fermentation processes, fermentation equipments and their uses
						CO306.3 : To understand the Industrial production of various antibiotics, enzymes and organic acids
						CO306.4 : To understand the production of different compounds at industrial level.
B.Sc. MB 307	Microbial Ecology	2	2	0	2	CO307.1 : Identify the existence of microbes in their natural environments
						CO307.2 : To understand about the structure and developments of microbial communities based on their ecosystem
						CO307.3 : Analyze the biological interaction and biogeochemical aspects of microbial ecology to maintain the C-N cycle
						CO307.4 : Evaluate the understanding of the sewage treatment, bioremediation, phytoremediation and their applications
						CO307.5: Assess role of microbes in BOD and COD.
B.Sc. MB 308	Microbes in Environmental Biotechnology	2	2	0	2	CO308.1 : Exploring the treatment of industrial effluents and municipal wastes by microbes
						CO308.2 : Identify about the degradation of pesticides and toxic metals through microbes
						CO308.3 : Apply the concept of <i>Bacillus thuringiensis</i> .
						CO308.4 : understanding about the environmental law and policies.
						CO309.1 : To introduce to the students the role of biotechnology in environment.

B.Sc. MB 309	Fundamentals of Information Technology	2	2	0	2	CO309.2 : To undersatnad the role of microorganism in treatment of waste.
						CO309.3 : To understand the role of microorganisms in pesticide production.
						CO309.4 : To understand the process of bioaccumulation and biomineralisation.
B.Sc. MB 310	Genomics, Proteomics and Bioinformatics	2	2	0	2	CO310.1 Able to understand the concept of Genomics and Proteomics
						CO310.2 Able to understand the practical role and importance of various techniques of Genomics and Proteomics in various biological experiments
						CO310.3 : Able to assess and select the appropriate applications, concepts and techniques to suit specific experiment
						CO310.4 Able to understand the diagnosis and treatment of diseases through genomics and proteomics.
						CO 310.5 Explore various Proteomics Strategies and their applications
B.Sc. MB 311	Diagnostic microbiology	2	2	0	2	CO311.1 : Introducing students the fundamentals and basic requirements of Diagnostic microbiology Laboratory and its safety principles
						CO311.2 : Enabling the student to gain an understanding of the Antimicrobial Susceptibility Testing: Traditional and automated antimicrobial susceptibility test methods and Interpretation of results.
						CO311.3 : Learning Microscopic examination of infected materials (Swabs, Semisolids, Mucoid materials, Thin fluids, Cytocentrifuge)
						CO311.4 : Understanding the microscopic examination of microbes.
						CO311.5 : Utilising the colonial morphology for the presumptive identification of microbes
B.Sc. MB 312	Biofafety and Bioethics	2	2	0	2	CO312.1 : To introduce student with biosafety and bioethical laws and issues
						CO312.2 : To introduce students with procedure of licencing revenue, product development and selection
						CO312.3 : To enable student to understant the use of microbes in industries
						CO312.4 : To understand the selection of microbes in R & D
						CO312.5: Assess the role of patent and its rule and regulation.

Program Name: M.Sc BIOTECHNOLOGY						
COURSE OUTCOMES (COs)						
M.Sc. Biotechnology First Semester						
Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	/Practical	
M.Sc. BT 101	Fundamental of Genetics	6	4	0	2	CO101.1 : Conceptualising the basics of genetics.
						CO101.2 : Understanding the process of linkage, crossing over and gene mapping .
						CO101.3: Summarising genetics of sex determination and differentiation
						CO101.4: Explaining Mutations and Mutagenic Agents and multiple alleles.
						CO101.5: Defing the Genetics of Inbreeding Depression and Heterosis, concept of Extra -chromosomal
M.Sc. BT 102	Cytogenetics and Molecular Genetics	6	4	0	2	CO102.1 : Identify of basic concepts of Cell division, Chromosomal abnormalities.
						CO102.2 : Analyze the proper understanding of Genetic material, DNA Duplication and Organization of genetic material.
						CO102.3 : Apply the Application of Genetic Codes.
						CO102.4 : Evaluate Genetic material, DNA Duplication and Organization of genetic material.
						CO102.5: Assess the concept of cytogenetics & Molecular biology
M.Sc. BT 103	Statistical Methods and Bioinformatics in Biology	6	4	0	2	CO103.1 : Analyzing the concepts of Data presentation and measurement of central tendency and dispersion.
						CO103.2 : Assessing the concepts of various experimental designs such as ANOVA.
						CO103.3 : Understanding the basic concept, scope and application of Bioinformatics.
						CO103.4 : Analyzing about the database and their role in Protein and Nucleic acid Databases.
						CO103.5: Evaluating the role of different bioinformatics tools to analyze biological databases.
M.Sc. BT 104	Tools and Techniques in Biotechnology	6	4	0	2	CO104.1 : To demonstrate the applicability of Microscopy.
						CO104.2 : To apply the various types of Centrifugation techniques.
						CO104.3 : To analyze the techniques of Electrophoresis.
						CO104.4 : To understand the process of Chromatography and Spectroscopy.
M.Sc. Biotechnology Second Semester						
Course Code	Course Name	Credits Per Week				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
M.Sc. BT 201	Fundamentals of Biochemistry	6	4	0	2	CO201.1 : Identify the basic concept, structure, chemical nature, types and properties of biomolecules in the cell.
						CO201.2 : Apply the depth knowledge of classification of different biomolecules.
						CO201.3 : Analyze concept of metabolism in aspect of biomolecules.
						CO201.4 : Evaluate the synthesis and degradation of macromolecules.
						CO201.5: Assess the structure and function of various biomolecules.
M.Sc. BT 202	Plant Genetic Resources: -Conservation and Sustainable use	6	4	0	2	CO202.1 : Introducing the basic concept of species.
						CO202.2 : Summarizing the Centers of Diversity and Centers of Origin.
						CO202.3 : Understanding the concept of biodiversity and germplasm conservation.
						CO202.4 : Explaining IPGRI, NBPGR, FAO, CGIAR, Future Harvest Centers and CBD.
						CO202.5: Defining the importance of various Intellectual Property Rights (IPRs).

M.Sc. BT 203	Biotechnology in Crop improvement	6	4	0	2	CO203.1 : To provide students with an in-depth understanding of Plant organ, tissue and cell culture. CO203.2 : To make student understand the various types of Biofertilizers, Bioinsecticides and Molecular Farming. CO203.3 : To Understand the various Methods of Gene Transfer in Plants. CO203.4 : To analyze the Nutritional quality of plants, Plant and Genome Programs.
M.Sc. BT 204	Recombinant DNA Technology and Genetic Engineering	6	4	0	2	CO204.1 : Understanding the students to know about basics of Genetic Engineering and Vectors. CO204.2 : Enabling students to describe Genomic and cDNA library. CO204.3 : Providing the knowledge of various molecular expression techniques like Southern, Northern, Western blotting, Chromosome walking, Chromosome jumping and PCR. CO204.4 : Enabling students to understand Gene Sequencing. CO204.5 : Understanding the Site directed mutagenesis to characterize targeted DNA.
M.Sc. Biotechnology Third Semester						
Course Code	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/ Pract ical	
M.Sc. BT 301	Microbial, Industrial and Environmental Biotechnology	6	4	0	2	CO301.1 : Identify depth knowledge and understanding of concepts of biotechnology in microbes, industries and environment. CO301.2 : Apply the techniques to carrying out roles of microbes, industries and environment in biotechnology. CO301.3 : Analyze how and why biotechnology application is done in microbes, industries and environment. CO301.4 :Evaluate the concept of microbes, industries and environment in biotechnology. CO301.5 :Assess how microbial, industrial and environmental biotechnology have played an important role in various fields of production.
M.Sc. BT 302	Concepts of Nano-biotechnology	6	4	0	2	CO302.1 : To stimulate their Critical thinking about Nano-Biotechnology. CO302.2 : To demonstrate understanding of Surface-functionalized Nano-particles for controlled drug delivery. CO302.3 : To demonstrate the Structural DNA nanotechnology and Nanostructure DNA templates. CO302.4 : To To be able to explain Probing DNA structure with Nanoparticles and Synthetic Nanoscale Elements for Delivery of Material into Viable cells.
M.Sc. BT 303	Animal biotechnology and Immunology	6	4	0	2	CO303.1 : Describe and discuss the Animal Tissue and Organ Culture. CO303.2 : Identify the area of Cloning in biotechnology. CO303.3 : Discuss critically the history and scopesof Immunology. CO303.4 : Evualte the about Types of Immunity, Ag-Ab interactions, Hybridoma Technology and various Vaccines. CO303.5 : Apply the biotechnology in the field of immunology and animal biotechnology.
M.Sc. BT304	Genomics and Proteomics	6	4	0	2	CO304.1 Able to understand the concept of Genomics and Proteomics CO304.2 Able to explore the practical role and importance of various techniques of Genomics and Proteomics in various biological experiments CO304.3 : Assess and select the appropriate applications, concepts and techniques to suit specific experiment CO304.4 Able to understand the diagnosis and treatment of diseases through genomics and proteomics. CO 304.5 Explore various Proteomics Strategies and their applications
M.Sc. Biotechnology Fourth Semester						

Course Code	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/ Practical	
	PROJECT WORK	42				


Program Name: BAJMC						
COURSE OUTCOMES						
SEMESTER I						
Course Code:	Course Name	Credits				Course Outcomes (CO): After the completion of the course students will be able to:
		Credits	Lecture	Tutorial	Lab/Practical	
BAJMC-101	Basics of Mass Communication	4	4			CO101.1 – Students will understand the elements, types, different aspects and importance of communication.
						CO101.2 - Students will get the knowledge and application skills of initial theories and models of communication in media
						CO101.3 – Students will get to know the process of communication in different situations as well as different theories of
						CO101. 4 - Students will get to know about Journalism its functions and the origin and development of Indian press.
						CO101. 5 – Students will learn about various Duties and Responsibilities of Journalist also Values and Ethics of Journalism.
BAJMC-102	General Hindi	4	4			CO102.1: शुद्ध हिंदी भाषा को लिखना एवं बोलना सीखना ।
						CO102.2: विभिन्न शब्दों को समझ विकसित कर सही वाक्यांश का निर्माण करना ।
						CO102.3: औपचारिक एवं अनौपचारिक पत्रों में अंतर समझ कर उनकी सही संरचना को समझना ।
						CO102.4: हिंदी में विभिन्न प्रकार के निबंध, कहानी, फीचर एवं विश्लेषण की संरचना को समझ कर उनके लेखन का कौशल विकसित
						CO102.5: अंग्रेजी भाषा से हिंदी भाषा में सही अनुवाद करने का कौशल विकसित करना ।
BAJMC-103	Digital Journalism	4	4			CO103.1: Students will understand the basics of digital journalism and formal communication.
						CO103.2: Students will be able to gain knowledge and skill about effective professional presentations to audiences.
						CO103.3: A deep and practical understanding of the processes will be evolved about newspapers and newsportals.
						CO103.4: Students will be able to create and design digital media products.
BAJMC-104	Advertising and Public Relation	4	3	1		CO104.1: Prepare the students to understand basic concept of advertising and public relation
						CO104.2: To know about the Advertising Strategies and ethics.
						CO104.3: Student will be able to Visualization and layout procedures.
						CO104.4: students will be able to create Copy for different media platform.
						CO104.5: students will able implement Advertising and Public Relation research and legal concepts in their professional
BAJMC-105	Computer for Mass Media (Course)	4	4			CO105.1: Students will able to understand the basics of computer History and Theory.
						CO105.2: Students will apply the knowledge in MS WORD to make documents.
						CO105.3: Students will analyze the working of word carefully to perform mail merge etc.
						CO105.4: Students will able to create effective power point presentations.
						CO105.5: Students will be able to access ICT in terms of Journalism and Mass Communication.
SEMESTER II						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BAJMC-201	Print Media	4	4			CO201.1: Students will understand the concept of News, Headlines and Reporting.
						CO201.2: Students will have knowledge, skill and understanding of reporting and the functions of newsroom.
						CO201.3: Students will be able to understand the ethics of journalism and implement it in writing and translation of news
						CO201.4: Students will be able to know and implement the tools, editing symbols, layout and designing.
						CO201.5: Students will able to understand the organisational structure of print media.
BAJMC-202	General English	4	4			CO 202.1: Students will understand the basic english communication with respect to error free usage of grammar.

						CO202.2:Students will have a habit of reading, thereby, absorbing profound ideas, learning appropriate expressions and
						CO 202.3: Students will learn the formal communication with regards to communicate effectively and appropriately in real
						CO 202.4:Students will know the importance of ethical, moral, national and cultural values in writing.
						CO 202.5:Students will be competent in the use of English Language in different types of journalistic writing and
BAJMC-203	Mass Media	4	4			CO203.1:Students will have understanding about different types of media writing.
						CO203.2:Students will develop a skill of feature writing and its types also learn about radio and television writing in detail.
						CO203.3:Students will be able to differentiate about editorial writing and writing about different genres in newspapers and
						CO203.4:Students will be competent of technical writing for media with following the ethics and fulfilling social
BAJMC-204	Photo	4	4			CO204.1. Students will come to know about the basics of Photography.
						CO204.2. Students will gain skills and knowledge about different types of Photography.
						CO 204.3. Students will be able to use Photo Editing Softwares.
						CO204. 4. Students will develop a strong understanding of photography techniques, including composition, lighting,
						CO 204.5. Students will be competent in the usage and implementation of acquired practical skills of Photography ethically.
BAJMC-205	Media Related	4	4			CO205.1 Students will know about the basics of media related softwares.
						CO205.2 Students will gain skill and knowledge about usage of audio-video Content.
						CO205.3 Students will be able to prepare graphics for different media.
						CO205.4 Students will able to understand the usage of photo editing ethically.
						CO205.5 Students will be able to understand graphic designing work.
SEMESTER III						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BAJMC-301	Value	4	4			CO301.1 : Students will know the basics of value education and role of intrapersonal communication.
						CO301.2 :Students will have awareness about ethical principles and moral values, helping individuals understand the
						CO301.3 :Students will be having critical thinking respect to Indian constitution and National Values.
						CO301.4 :Students will have an understanding and appreciation of diverse cultures, beliefs, and perspectives, fostering
						CO301.5 :Students will critically develop the resilience and cope with life's challenges effectively.
BAJMC-302	Corporate	4	4			CO302.1- Students will learn about the basic and emerging concepts and principles in relation to better decision making in
						CO302.2 – Students will understand the Corporate Social Responsibility, Corporate Communication and Management.
						CO302.3 – Students will understand the concepts and evolution of corporate communication in the context of media
						CO302.4- Students will understand about the Media and Campaign Planning and crisis management techniques.
						CO302.5 - To review and planning of media selection and its relevance to the practice of Corporate Communication.
BAJMC-303	Broadcast	4	4			CO303.1 - Students will able to understand the evolution journey of radio in the world scenario and the history of radio in
						CO303.2 :Students will get the knowledge of different types of radio programs.
						CO 303.3 :Students will critically differentiate between educational and community radio.
						303.4 :Students will come to know about techniques and process of three tire broadcasting and to know in detail about All
						303.5 :Students will get the knowledge and skills of different formats of radio program presentation.
BAJMC-304	Indian Political	4	4			CO304.1-Students will know basics of Indian Constitution and Political System.
						CO304.2-Student will have Knowledge of fundamental rights, duties and directive principles and its use in Journalism &
						CO304.3-Student will able to Analyse powers and role of Parliament, PM, President, ministers, Speaker , chairman of Rajya

						CO304.4-Students will gain Knowledge about state and Panchayati Raj system, center state relations, governor, chief
						CO304.5- Students will be compitent to do verbal and written communication in context to Indian Political System.
BAJMC-305	Graphics and Animation					CO305.1 - Students will able to understand the different stages of production of advertisements.
						CO305.2 - Students will be skilled in production of advertisements for different media platforms.
						CO305.3 - Students will be able to critically identify current trends within the digital media industry and appropriate career
						CO305.4 - Students will be able to make the strategy and implementation of for Advertisement production ethically and
						CO305.5 -Students will be able to approach targeted audiences with fulfillment of social responsibility.
SEMESTER IV						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BAJMC-401	Media Laws and Ethics	4	4			CO401.1: Students will know about the concept of law for different media platforms.
						CO401.2: Students will know about the Press with reference to the Indian Constitution.
						CO401.3: Students will be trained and practiced ethical standards of conduct and accountability towards the profession.
						CO401.4: Students will know about media organizations and have a critical approach towards various media laws.
						CO401.5: Students will be competent to do the right use media laws in their writing and communication.
BAJMC-402	Media and Culture	4	3	1		CO 402.1 :Students will know the about the basics of Indian culture.
						CO 402.2 :Students will be able to understand the ethical values of culture, intigration,cultural and intercultural changes.
						CO 402.3 :Students will be able to critically examine and understand the role of media in cultural changes and nation
						CO 402.4 :Students will be able to communicate cultural changes among different types of media writing.
BAJMC-403	Television Journalism	4	3	1		CO403.1: Student will understand history and characteristic of T.V in India/world.
						CO403.2: Students will have skill to understand visual grammar and camera techniques.
						CO403.3: Student will be able to analyse various aspects of visual composition in different types of T.V production and
						CO403.4: Student will be able to write for TV format programs, T.V news bulletin and TV news structure.
						CO403.5: Student will be competent to produce TV programs.
BAJMC-404	Indian Social Change	4	4			CO404.1 – Students will get familiar with Indian Society, culture and Tradition.
						CO404.2 – Students will develop an understanding the concept of social change.
						CO404.3 - Students will be able to critically analyse the intercultural communication,caste system and social issues of mass
						CO404.4 – Students will get to know the different family structures ,marriage and Kinship in India.
						CO404.5 - Students will be competent to do verbal and written communication about Indian Social System.
BAJMC-405	Print Media Production	4	4			CO405.1 Students will know about the basics of print media production.
						CO405.2 Students will be able to use the different softwares used for newspaper production.
						CO405.3 Students will be able to plan and prepare print media content.
						CO405.4 Students will be competent to design and layout the newspaper with graphics.
						CO405.4 Students will be competent to design and layout the newspaper with graphics.
SEMESTER V						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BAJMC-501	Communication Research	4	3	1		CO501.1- Students will able to gain knowledge of Communication Research.
						CO501.2 – Students will understand the process and the importance variables in research.

						CO501.3 – Students will be able to apply different methods of communication research.
						CO501.4- Students will able to critically analyze the different sets of data in research.
						CO501.5 -Students will be having Practical Knowledge of Research on various issues.
BAJMC-502	New Media Technology	4	3	1		CO502.1 :Students will be able to gain a comprehensive understanding of the rapidly evolving landscape of new media
						CO502.2 : Students has developed critical thinking skills to evaluate the impact of new media technologies on society.
						CO502.3 : Students will know about the Cyber Journalism and cyber laws.
						CO502.4 :Students will be able to differentiate between Traditional Journalism and Web Journalism.
						CO502.5 :Students will be able to edit and write reports etc. for the digital media.
BAJMC-503	Environment and Society	4	4			CO503.1- Students will able to know about environment and environmental communication.
						CO503.2- Students will understand India's National Environment policies and environmental laws.
						CO503.3- Students will able to know National missions,plans and projects of environment protection.
						CO503.4- Students will understand and critically develop scientific temper by knowing the issues related to rural setup.
						CO503.5- Students will able to develop the journalistic approach by relating the course study and what they have observed.
BAJMC-504	Newspaper Production	4	4			CO504.1- Students will learn the basics of designing the Newspaper and Magazine.
						CO504.2- Students will be able to Edit, layout Design and all process of Newspaper Production.
						CO504.3- Students will skilled to the usage and working on softwares.
						CO504.4- Students will able to produce newspaper and magazine.
BAJMC-505	Content Management					CO505.1- Students will be known to set up and manage YouTube channel effectively.
						CO505.2- Students will be abled news writer, post-writer on current issues and news events.
						CO505.3- Students will be able to operate and manage various social media platforms.
						CO505.4- Students will be known to analyse and monetize social media channel .
SEMESTER VI						
Course Code:	Course Name	Credits				Course Outcomes (CO)
		Credits	Lecture	Tutorial	Lab/Practical	
BAJMC-601	Media Management	4	4			CO601.1:Students will be know the basics of media management.
						CO601.2:Students will be able to identify the different techniques of media management.
						CO601.3:Students will be understand finacial stratigies and policies of media management.
						CO601.4:Student will be able to develop critical appreciation and impart effective skills for managing various functions of
						CO601.5:Student will be able to explain the importance of revenue generation for media organization and marketing
BAJMC-602	Development Communication	4	4			CO602.1 :Students will be able to understand the Development and its process.
						CO602.2 :Students will be able to understand the indicators of the Development.
						CO602.3 :Students will be know the theories of Development and the use of media for development communication.
						CO602.4 :Students will be able to communicate effectively the social issues related to the development.
						CO602.5 :Students will be known to the civic system of rural areas and will be skilled in writing development messages for
BAJMC-603	Audio-Visual Production	4	4			CO603.1: Students will able to understand and develop TV program production.
						CO603.2: Students will understand the different stages of Audio -Visual Production.

						CO603.3 : Students will able to produce short movies and documentaries.
						CO603.4 : Students will be skilled in production of news bulletin.
BAJMC-604	Profile Study (Project)	4	4			CO604.1: Students will able to understand the importance of research.
						CO604.2: Students will be able to conduct content analysis of media on any topic.
						CO604.3 : Students will be able to do feed forward study.
						CO604.4 : Students will develop critical thinking skills to the case study.
						CO604.5 : Students will be able to do the surveys for research.
BAJMC-605	Internship-Viva	4	4			CO605.1 :Students will get practical knowledge by internship to the media organization as per their skills.
						CO605.2 : Students will be known to the working style and the professional environment of the media organizations.
						CO605.3 : Students will able to prepare the internship report as per the practical knowledge gain during internship.
						CO605.4 : Students are able to get placement as per their skills gained via internship.


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