



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav School of Management

Choice Based Credit System (CBCS) in Light of NEP-2020

BBA- IV SEMESTER (2022-2026)

BBA401 FUNDAMENTALS OF ENTREPRENEURSHIP DEVELOPMENT

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BBA401	MAJ	Fundamentals of Entrepreneurship Development	60	20	20	-	-	3	-	-	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ – Major
*Teacher Assessment shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVE

The objective of the course is to introduce students to the process of venture creation and discuss the core issues in creating a successful business. It also explains the students the major strategic decisions that entrepreneurs must make when creating a business.

EXAMINATION SCHEME

The internal assessment of the students' performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections A and B. Section A will carry 36 Marks and consist of 5 questions, out of which student will be required to attempt any three questions. Section B will comprise of one or more cases / problems worth 24 marks.

COURSE OUTCOMES

1. Understanding the major strategic decisions that entrepreneurs must make when creating a business.
2. Familiarize the students with operational and organizational challenges during the start-up phase

COURSE CONTENT

UNIT I: Introduction to Entrepreneurship

1. Meaning and concept of entrepreneurship,
2. History of entrepreneurship development,
3. Role of entrepreneurship in economic development,
4. Agencies in entrepreneurship management
5. Future of entrepreneurship.

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UNIT II: The Entrepreneur

1. Meaning of entrepreneur
2. Skills required to be an entrepreneur
3. Entrepreneurial decision process and role models
4. Mentors and support system.

UNIT III: Business Opportunity Identification

1. Business ideas
2. Methods of generating ideas
3. Opportunity recognition

UNIT IV: Preparing a Business Plan

1. Meaning and significance of a business plan
2. Components of a business plan and feasibility study,
3. Financing the New Venture: Importance of new venture financing
4. Types of ownership securities, venture capital, types of debt securities
5. Determining ideal debt-equity mix, and financial institutions and banks

UNIT V: Launching the New Venture

1. Choosing the legal form of new venture
2. Protection of intellectual property
3. Marketing the new venture
4. Managing Growth in New Venture, Characteristics of high growth new ventures
5. Strategies for growth and building the new venture capital

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SUGGESTED READINGS

1. Dorf, R.C. (2007). *Technology Ventures: From Idea to Enterprise with Student DVD*. McGraw-Hill Higher Education: New York.
2. Shane, S. and Ventakaraman, S. (2000). *The promise of entrepreneurship as a field of research*. Academy of Management Review
3. Baron, J.N. and Hannan, M.T. (2002) *Organizational Blueprints for success in High-Tech start-ups*. California Management Review.
4. Swiercz, P.M. and Lydon, S.R. (2002). *Entrepreneurial leadership in high-tech firms: a field of study*. Leadership and Organization Development.
5. Berry, M.M.J. and Taggart, J.H. (1994). *Managing technology and innovation: a review*. Journal of R& D Management Journal.

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Choice Based Credit System (CBCS) in Light of NEP-2020
BBA- IV SEMESTER (2022-2026)

BBA402 FUNDAMENTALS OF ADVERTISING MANAGEMENT

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BBA402	MAJ/MIN	Fundamentals of Advertising Management	60	20	20	-	-	3	-	-	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical: C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVES

The objective of this course is to help the student acquire a basic knowledge of Advertising Management. To enable them to make more efficient decisions in the use of Advertising and product promotion.

EXAMINATION SCHEME

The internal assessment of the students’ performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections, A and B. Section A will carry 36 Marks and consist of 5 questions, out of which students will be required to attempt any three questions. Section B will comprise of one or more cases /problems worth 24 marks.

COURSE OUTCOMES

1. Demonstrate an understanding of the overall role advertising plays in the business world.
2. Demonstrate an understanding of advertising strategies and budgets.
3. Identify and understand the various advertising media & its creative aspects.
4. To learn the design, development, and implementation of Advertisements
5. To understand the various ethical and social issues in Advertising Management

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Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical: C - Credit; MAJ/MIN – Major/Minor

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COURSE CONTENT

UNIT I: Introduction

1. Concept, Nature, Scope of Advertising
2. Significance of Advertising.
3. Setting advertisement objectives, DAGMAR Approach.
4. Legal, Ethical, and social issues in Advertising.

UNIT II: Advertising Media

1. Media, types of Media
2. Media planning and selection
3. Media choice criteria – reach and frequency of advertisements
4. Media strategy

UNIT III: Advertising Budget

1. Preparation and Methods of advertising budget
2. Allocation of Budget
3. Recent trends in advertising
4. Impact of advertising on the Indian Economy

UNIT IV: Creative Advertising

1. Advertising planning and strategies
2. Message development
3. Different types of advertisements
4. Advertising layout and design appeal

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Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical: C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

UNIT V: Advertising Agency and Ad Effectiveness

1. Management of advertising agencies
2. The role and working of an advertising Agency.
3. Measurement of Advertisement Effectiveness
4. Pre-Testing, Post-Testing Techniques of measuring Ad. Effectiveness.

SUGGESTED READINGS

1. Kenneth ClowDonald Baack (2006) “Integrated Advertisements, Promotion and Marketing communication,” Prentice Hall of India, New Delhi.
2. S.H.H. Kazmi, Satish K Batra, (2004) “Advertising & Sales Promotion,” Excel Books, New Delhi
3. George E Belch, Michel A Belch, (2001) “Advertising & Promotion,” McGraw Hill, Singapore
4. Belch M A and Belch G E (2003) Advertising and Promotion – An Integrated Marketing Communication Perspective (Tata McGraw-Hill) . Latest Edition
5. Wells, Moriarity & Burnett (2009) Advertising Principles & Practices, Prentice Hall.
6. Chunawala & Sethia (2001) Foundation of Advertising Management, , Himalaya Publishing House, New Delhi.

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BBA403 FINANCIAL SYSTEM AND SERVICES

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BBA403	MAJ/MIN	Financial System And Services	60	20	20	-	-	3	-	-	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVE

To provide students with basic concepts and theories of Finance, its markets and various services provided in the Finance sector.

EXAMINATION SCHEME

The internal assessment of the students' performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections A and B. Section A will carry 36 Marks and consist of 5 questions, out of which student will be required to attempt any three questions. Section B will comprise of one or more cases / problems worth 24 marks.

COURSE OUTCOMES

1. Familiarize students with financial system and services and make successful financial decisions at an individual as well as company level.
2. Assess the importance of various traditional and modern financial services.
3. Ascertain the process of merchant banking and venture capital financing for research projects undertaken.
4. Understand concept of mutual funds, leasing, credit rating etc.

COURSE CONTENTS

UNIT I: Financial System: An Introduction

1. Financial System: Meaning, Characteristics, Significance
2. Structure of Indian Financial System
3. Main functions of Indian Financial System and respective roles
4. Role and need of Regulations in Financial System-RBI, SEBI and IRDA

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Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

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UNIT II: Financial Markets

1. Financial Market: Functions and Organization
2. Money Markets: Functions, Players, and Instruments in Money Market.
3. Capital Market: Functions and Players
4. Primary Market: Activities, Intermediaries and Functions
5. Secondary Market: Functions, Instruments and Mechanism

UNIT III: Financial Services

1. Classification: Fund based and non-fund based services
2. Banking financial corporations, non-banking financial corporation's
3. Venture capital
4. Leasing- types of leases

UNIT IV: Mutual Funds Services

1. Mutual funds services
2. Concepts and objectives
3. Factoring, forfeiting
4. Debt securitization

UNIT V: Merchant Banking

1. Hire Purchase
2. E-banking
3. Credit rating: CRISIL, ICRA
4. Merchant Banking

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***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

SUGGESTED READINGS

1. Khan, M.Y. (2009). *Financial Services*. Tata McGraw Hill, New Delhi.
2. Pathak, Bharti (2010). *Indian Financial System*. Pearson, India.
3. Gordan & K. Natarajan.(2016). *Financial Markets & Services*, Himalaya Publishing House.
4. Shanmugham (2009). *Financial Services*. Wiley, India.
5. Bhole, L. M. (2009). *Financial Institutions and Markets*. Tata McGraw Hill, New Delhi.
6. Gurusamy,S. (2008). *Financial Markets and Institutions*. Tata McGraw Hill, New Delhi.
7. Gopalswamy,N. (2008). *Capital Market*. Macmillan Publishers, New Delhi.
8. Chary (2008). *Venture Capital: Concepts and Application*. Macmillan Publishers, India.
9. Jadhav, Narendra (2007). *Monetary Policy, financial Stability and Central Banking in India*. Macmillan Publishers, New Delhi.

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BBA404 INTRODUCTION TO PSYCHOLOGY

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
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BBA404	MAJ/MIN	Introduction to Psychology	60	20	20	-	-	3	-	-	3

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVE

The course aims to provide students with a comprehensive understanding of the major psychological approaches used to study behavior and mental processes. The course will emphasize the scientific methodology employed in psychology, enabling students to critically evaluate research and understand its limitations.

EXAMINATION SCHEME

The internal assessment of the students’ performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections A and B. Section A will carry 36 Marks and consist of five questions, out of which student will be required to attempt any three questions. Section B will comprise of one or more cases /problems worth 24 marks.

COURSE OUTCOME

1. Demonstrate scientific understanding of the human mind.
2. Apply conceptual knowledge in decoding and understanding of human behaviour.
3. Analyze individual functioning of intelligence and personality.
4. Develop understanding of research methods in psychology.
5. Apply psychological principles to personal, social, and organizational issues.

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BBA404	MAJ/MIN	Introduction to Psychology	60	20	20	-	-	3	-	-	3	

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***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE CONTENT

UNIT I: Introduction to Psychology

1. Meaning and Nature of Psychology
2. Historical Background, Schools of Psychology
3. Scope of Psychology, Methods of Study in Psychology
4. Branches of Psychology (with special reference to Industrial/Organizational Psychology).

UNIT II: Biological and Socio-Cultural Bases of Behaviour

1. The Nervous System (Structure of Nerve Cell, Parts of Nervous System)
2. Socialization and Culture
3. Enculturation
4. Agencies and Mechanisms of Socialization,

UNIT III: Learning Process and Emotion

1. Factors of Learning
2. Theories of Learning– Connectionism, Classical and Operant Conditioning, Programmed Learning.
3. Meaning and Nature of Emotions, Physiological Correlates of Emotions
4. Theories of Emotions

UNIT IV: Intelligence

1. Nature and Meaning of Intelligence,
2. Theories of Intelligence
3. Multiple Intelligence, Measuring Intelligence,
4. Individual differences in Intelligence

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UNIT V: Memory

1. Encoding, Storage, Retrieval; STM, LTM, Other types.
2. Forgetting – its causes. Emotion: Reaction (types), Physiological basis.
3. Intelligence: Definition, Concept of IQ
4. Emotional Intelligence.

SUGGESTED READINGS

1. Feldman, R. S. (1996). Understanding psychology (4th ed.). McGraw-Hill Book Company.
2. Iyer, S. (2006). Introduction to psychology. Premier publishing company.
3. Morgan C. T. King R. A. Weisz J. R. & Schopler J. (1986). Introduction to psychology (7th ed.). McGraw-Hill.

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BBA405 STATISTICAL METHODS IN MANAGEMENT

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
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			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BBA405	MAJ/MIN	Statistical Methods in Management	60	20	20	-	-	3	-	-	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVES

To know the different sources and methods of data collection and different methods of data presentation and able to understand the significance of advanced concepts of Statistics. Students also learn to apply correlation and regression to real life problems.

EXAMINATION SCHEME

The internal assessment of the students’ performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections, A and B. Section A will carry 36 Marks and consist of 5 questions, out of which students will be required to attempt any three questions. Section B will comprise of one or more cases / problems worth 24 marks.

COURSE OUTCOMES

1. Understand the meaning, scope, and importance of essential concepts of Statistics.
2. Know the different sources and methods of data collection and data presentation.
3. Measuring the central tendencies, measures of dispersion and measures of skewness.
4. Identify the significance of advanced concepts of Statistics.
5. Analyze the methods of correlation and regression.
6. Acquire knowledge to estimate the least square methods of trend analysis.

COURSE CONTENT

UNIT I: Basic Ideas in Statistics

1. Definition, Function and Scope of Statistics
2. Collection, Classification and Presentation of Data.
3. Tabulation, Analysis, and Interpretation of Data.

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BBA405	MAJ/MIN	Statistical Methods in Management	60	20	20	-	-	3	-	-	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

UNIT II: Descriptive Statistics

1. Measure of Central Tendency: Mean, Median, Mode, Other Measurements
2. Measure of Dispersion: Range, Mean Deviation, Standard Deviation, Quartile Deviation
3. Measure of Skewness

UNIT III: Correlation and Regression Analysis

1. Introduction, Methods: Karl. Spear Con
2. Equation of Regression Lines, Regression Coefficients

UNIT IV: Time Series Analysis

1. Time Series and its Components
2. Linear and Non-linear Trends
3. Seasonal Variations and Irregular Variations and their Measurements.

UNIT V: Probability

1. Definition of Probability, Conditional Probability
2. Dependent and Independent Events
3. Addition and Multiplication Rule of Probability

SUGGESTED READINGS

1. Aczel and Sounder Pandian (2008). Complete Business Statistics. Tata-McGraw Hill.
2. Anderson, Sweeney, William, Cam (2014). Statistics for Business and Economics. Cengage Learning.
3. Das, N.G. (2008). Statistical Methods. M. Das and Co. Kolkata.
4. Gupta S. P. (2014). Statistical Methods. Sultan Chand and Sons.
5. Levin and Rubin (2008). Statistics for Management. Dorling Kindersley Pvt Ltd.

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BBA406 FUNDAMENTALS OF E-COMMERCE

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BBA406	MAJ/MIN	Fundamentals of E-Commerce	60	20	20	-	-	3	-	-	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVE

By the end of the course, students should have a comprehensive understanding of the fundamentals of e-commerce, including its concepts, technologies, consumer behavior, payment systems, and security considerations. They should be able to analyze e-commerce platforms, make informed decisions regarding electronic payment methods, and understand the legal and security aspects associated with conducting business online.

EXAMINATION SCHEME

The internal assessment of the students' performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections A and B. Section A will carry 36 Marks and consist of five questions, out of which student will be required to attempt any three questions. Section B will comprise of one or more cases / problems worth 24 marks.

COURSE OUTCOMES

1. Understand the meaning and concept of e-commerce and its advantages over traditional commerce.
2. Comprehend the concept and evolution of the internet.
3. Understand the concept and functioning of electronic payment systems, including e-cash, e-cheque, credit cards, debit cards, smart cards, and e-banking.
4. Introduce the concept of Electronic Data Interchange (EDI).
5. Analyze the security issues related to e-commerce, including firewall, e-locking, and encryption.

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BBA406	MAJ/MIN	Fundamentals of E-Commerce	60	20	20	-	-	3	-	-	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE CONTENT

UNIT I

1. E-Commerce: Introduction, Meaning and concept
2. Needs and advantages of e-commerce, traditional commerce
3. Types of e-commerce, basic requirements of e-commerce
4. Consumer buying through E-platforms like flip cart, Amazon, eBay, Snapdeal etc.

UNIT II

1. Internet: Concept and evolution
2. Characteristics of internet, email. FTP, WWW, Telnet, Intranet and extranet
3. Limitations of Internet
4. Hardware and Software requirements of Internet, Search engines.

UNIT III

1. Customer relationship with business via e-commerce
2. Electronic Payment Systems. e-cash, e-cheque, credit cards, debit cards, smart cards
3. e-banking

UNIT IV

1. Introduction to EDI. Networking infrastructure of EDI
2. Functions and components of EDI, file types of EDI
3. Payment through UPI, Mobile wallet, Phone banking and Net banking.

UNIT V

1. Security issues of e-Commerce: Firewall, e-locking, encryption.
2. Cyber laws: Aim, salient provisions
3. Public Key Infrastructure, Payment Gateways, Visa, Rupay and MasterCard.

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Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ/MIN – Major/Minor

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

SUGGESTED READINGS

1. "E-Commerce 2019: Business, Technology, Society" by Kenneth C. Laudon and Carol Guercio Traver
2. "Electronic Commerce: A Managerial and Social Networks Perspective" by Efraim Turban, David King, Jae Kyu Lee, Ting-Peng Liang, Deborrah C. Turban
3. "E-Commerce: Strategy, Technologies and Applications" by David Whiteley
4. "E-Commerce Essentials" by Kenneth C. Laudon and Carol Guercio Traver
5. "Electronic Commerce: A Managerial Perspective" by Efraim Turban, Jon Outland, David King
6. "E-Commerce 2020: Business, Technology, Society" by Kenneth C. Laudon and Carol Guercio Traver
7. "E-Commerce and Beyond: A Legal Guide to Business Transactions on the Internet" by von Mehren, Thomas, and David C. Hilliard.

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BBA407 INTRODUCTION TO DATA ANALYTICS

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BBA407	MAJ	Introduction to Data Analytics	60	20	20	-	-	3	-	-	3	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P – Practical; C - Credit; MAJ – Major

***Teacher Assessment** shall be based on following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

COURSE OBJECTIVE

To provide students with understanding of fundamental of Data Analytics and enable them to perform the analysis.

EXAMINATION SCHEME

The internal assessment of the students' performance will be done out of 40 Marks. The semester Examination will be worth 60 Marks. The question paper and semester exam will consist of two sections A and B. Section A will carry 36 Marks and consist of 5 questions, out of which student will be required to attempt any three questions. Section B will comprise of one or more cases / problems worth 24 marks.

COURSE OUTCOMES

1. Familiarizing the concepts of Data and Statics to use the same in Indian market environment.
2. Understanding various aspects and solutions for Data Analysis
3. Developing knowledge of solving optimization problems in Linear Programming

COURSE CONTENT

UNIT I: Introduction to Data Analytics

1. Understanding Data Analytics
2. Steps Of Data Analytics
3. Types and Steps of Data Analytics
4. Data Analysis Techniques and Tools
5. Importance of Data Analytics

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UNIT II: Linear Programming Problems (LPP)

1. Definition and General Structure of LPP
2. Formulation, Advantages and Limitations of LPP
3. Graphic Solutions of LPP problems
4. Simplex Method, Degeneracy ,Duality

UNIT III: Statistics Data And Representation

1. Introduction to Statistics
2. Collection , classification and tabulation of Data
3. Types of Data -Primary and Secondary
4. Diagrammatic and Graphical Representation of Data
5. Histogram ,Frequency Curve, Frequency Polygon
6. Ogive Curves
7. Stem and Leaf Chart

UNIT IV: Data Warehousing

1. Data Warehousing Components
2. Building a Data Warehouse
3. Mapping the Datawarehouse to a multiprocessor Architecture
4. DBMS schemes for Decision Support
5. Data Extraction .Cleanup and Transformation tool

UNIT V: Data Base Management System

1. Characteristics of a Database Approach
2. Advantages of using DBMS Approach
3. Brief History of Database Applications
4. When not to use DBMS
5. Classification of DBMS
6. The Database system Environment

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SUGGESTED READINGS

1. Fundamentals of Database Systems – Elmasri and Navathe, 5th Edition, Addison-Wesley, 2007
2. Database Management Systems – Raghu Ramakrishnan and Johannes Gehrke – 3rd Edition, McGraw-Hill, 2003.
3. An Introduction to Database Systems – C.J. Date, A. Kannan, S. Swamynatham, 8th Edition, Pearson Education, 2006
4. Biswas and Srivastava – A textbook, mathematical Statistics, 1st Edition, Narosa Publishing House New Delhi
5. Foster P ,Tom F -Data Science for Business (2013) Safari Books

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