Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
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Choice Based Credit System (CBCS) in Light of NEP-2020
MBA- FINTECH - III SEMESTER (2024-2026)

MBAI301C ADVANCEDHUMAN VALUES AND PROFESSIONAL ETHICS

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAI301C	AECC	Advanced Human Values and Professional Ethics	60	20	20	-	-	3	-	-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **AECC-** Ability Enhancement Compulsory Course

***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 disseminate the theory and practice of moral code of conduct and familiarize the students with the concepts of "right" and "good" in individual, social and professional context

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. Help the students to understand right conduct in life.
2. To equip students with understanding of the ethical philosophies, principles, models that directly and indirectly affect personal and professional life.

COURSE CONTENT

Unit I: Inculcating Values at Workplace
1. Values: Concept, Sources, Essence
2. Classification of Values.
3. Values in Indian Culture and Management: Four False Views, Value Tree
4. Eastern and Western Values; Values for Global Managers

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAI301C	AECC	Advanced Human Values and Professional Ethics	60	20	20	-	-	3	-	-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **AECC**- Ability Enhancement Compulsory Course

***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: Professional Ethics
1. Ethics: Concept, Five P's of Ethical Power, Organisational Tools to Cultivate Ethics
2. Theories of Ethics: Teleological and Deontological
3. Benefits of Managing Ethics in an Organisation
4. Ethical Leadership

Unit III: Indian Ethos and Management Style
1. Indian Ethos and Workplace
2. Emerging Managerial Practices
3. Ethical Considerations in Decision Making and Indian Management Model
4. Core Strategies in Indian Wisdom and Ethical Constraints

Unit IV: Human Behavior – Indian Thoughts
1. Guna Theory
2. Sanskara Theory
3. Nishkama Karma
4. Yoga: Types, Gains; Stress and Yoga

Unit V: Spirituality and Corporate World
1. Spirituality: Concept, Paths to Spirituality
2. Instruments to achieve spirituality
3. Vedantic Approach to Spiritual and Ethical Development
4. Indian Spiritual Tradition.

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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*				
MBAI301C	AECC	**Advanced Human Values and Professional Ethics**	60	20	20	-	-	3	-	-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **AECC**- Ability Enhancement Compulsory Course
***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. Kausahl, Shyam L. (2006). *Business Ethics – Concepts, Crisis and Solutions*. New Delhi: Deep and Deep Publications Pvt. Limited
2. Murthy, C.S.V. (2012). *Business Ethics –Text and Cases.* Himalaya Publishing House: Mumbai
3. Chakraborty, S. K. (1999). *Values and Ethics for Organizations*. Oxford university press
4. D.Senthil Kumar and A. SenthilRajan (2008). *Business Ethics and Values.* Himalaya Publishing House: Mumbai

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Choice Based Credit System (CBCS) in Light of NEP-2020
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MBAI302C PROJECT 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*				
MBAI302C	CC	Project Management	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **CC**- Core Course
***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 course is intended to develop the knowledge of the students in the management of projects. It is aimed at imparting knowledge on managing entire life cycle of a project – from conceptualization to commissioning.

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. Understanding of various phases in a project life cycle.
2. Ability to establish feasibility of a project and various methods of project financing
3. Learn to organize and coordinate with different functions for successful project implementation
4. Develop ability to monitor and control projects, and risks involved.

COURSE CONTENT

Unit I: Concept of Project
1. Overview, key concepts, classification, characteristics of project
2. Project life cycle and its phases
3. Project feasibility: project identification, market and demand analysis, technical analysis, and technology selection

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAI302C	CC	Project Management	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **CC**- Core Course
***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: Project Feasibility and Investment Evaluation
1. Project cost estimate
2. Project appraisal: time value of money, project cash flows, payback period, cost of capital, project rate of return
3. Sources of financing
4. Optimum capital structure and it's theories
5. Investment decision rule

Unit III: Project Implementation
1. Project planning and scheduling
2. Network analysis, construction of networks
3. Time-cost trade-off and crashing of projects
4. Resource allocation using network analysis, resource leveling
5. Project contracting: types of contracts in projects, steps in project contracting

Unit IV: Human and Social Aspects of Managing Projects
1. Project organization
2. Project leadership: motivation, communication, conflict handling in projects
3. Social cost-benefit analysis, UNIDO approach

Unit V: Project Review and Administrative Aspects
1. Project monitoring and control, variance analysis, performance analysis
2. Abandonment analysis
3. Computer based project management & PMIS

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAI302C	CC	Project Management	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **CC**- Core Course
***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. Chandra, P. (2011). *Project Planning: Analysis, selection, implementation and review.* New Delhi: Tata McGraw Hill.
2. Choudhury S. (2017), *Project Management.* Chennai: McGraw Hill Education (I) Pvt. Ltd.
3. Singh, N. (2003). *Project Management and Control*. New Delhi: Himalaya Publishing House.
4. Nicholas, J.M. (2008). *Project Management for Business and Technology: Principles and practice*. Pearson Publication.
5. Gray, C.F., Larson, E.W. and Desai, G.V. (2010). *Project Management: The managerial process*. New Delhi; Tata McGraw Hill.
6. Pinto, J. (2010). *Project Management: Achieving Competitive Advantage*. New Jersey: Pearson.
7. Abrol, S. (2010). *Cases in Project Management*. New Delhi: Excel Books
8. Maylor, H. (2017). *Project Management*. New Jersey: Pearson.

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MBAFT301 BASICS OF FINTECH

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME					L	T	P	CREDITS
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
MBAFT301	DSE	Basics of Fintech	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective
***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
Financial technology (FinTech) is revolutionary and rapidly changing the financial services industries. This course introduces FinTech such as Fintech Primer, Fintech Structure, Machine learning, and Artificial Intelligence.

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. To understand recent FinTech developments and analyze their impact on the financial services industries
2. To describe the technologies underlying Machine learning and Artificial Intelligence.
3. To understand the process of FinTech innovation& Structure.

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAFT301	**DSE**	**Basics of Fintech**	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

***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 of Fintech in Banking and Insurance Industry
5. BFSI Value chain
6. How FinTech changed BFSI
7. Introduction to BankTech
8. Introduction to InsureTech

UNIT II: FINTECH PRIMER
1. Introduction to the Fintech landscape
2. Latest Trends and future of FinTech
3. Applications of FinTech

UNIT III: Fintech Structure
1. FinTech Architecture
2. FinTech Technologies
3. Fintech startups
4. Fintech unicorns and business models Fintech Technologies

UNIT IV: MACHINE LEARNING (ML)
1. Introduction to Machine Learning
2. ML Algorithms
3. ML applications

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MBA- FINTECH - III SEMESTER (2024-2026)

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME					L	T	P	CREDITS
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
MBAFT301	DSE	Basics of Fintech	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

***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: Artificial Intelligence (AI)
1. Introduction to AI
2. AI and Applications
3. AI scope in changing business landscape

SUGGESTED READINGS
1. Arvind Narayanan, Joseph Bonneau, Edward Felten, Andrew Miller, Steven Goldfeder, (2016) Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction Princeton University Press, ISBN-13: 978-0691171692.
2. Henning Diedrich, CreateSpace,***Ethereum: Blockchains, Digital Assets, Smart Contracts, Decentralized Autonomous Organizations (2016),*** Independent Publishing Platform, ISBN-13: 978-1523930470.
3. Arshdeep Bahga and Vijay Madisetti, (2017)***Blockchain Applications: A Hands-on Approach,*** Vpt, ISBN-13: 978-0996025560.
4. *Paul D. Stallard, Robert Lempka,*(2013) ***Next Generation Finance: Adapting the financial services industry to changes in technology, regulation and consumer behavior***.
5. Agustin Rubini, (2017) ***Fintech in a Flash: Financial Technology Made Easy.***
6. Chandan Sengupta, (2009)***Financial Analysis and Modeling using Excel and VBA***, Wiley
7. Wilson Jr., Jay D., (2017) ***Creating Strategic Value through Financial Technology.*** Wiley Finance.
8. Paul D. Stallard andRobert Lempka,(2013) ***Next Generation Finance: Adapting the financial services industry to changes in technology, regulation and consumer behavior,*** Harriman house.

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Choice Based Credit System (CBCS) in Light of NEP-2020
MBA- FINTECH - III SEMESTER (2024-2026)

MBAFT302 INTRODUCTION TO R SOFTWARE

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAFT302	DSE	Introduction to R Software	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

*****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
This course aims at introducing the R . The focus is on an understanding of the concepts and tools in R software on real world data.

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
CO1 To gain an understanding and appreciation of the principles and applications relevant to the planning, design, and application of analytics in various business domain

CO2 To understand the interdependence of the analytics function with the other key functional areas of a firm.

CO3 To apply analytical skills and problem-solving tools to the analysis of the business decision problems.

CO4 To increase the knowledge and broaden the perspective of the world in which you will contribute your talents and leadership in business analytics.

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAFT302	DSE	Introduction to R Software	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

*__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 R
1. What is R, Communication with R, R software, R interfaces,
2. R syntax, R code, R help, R packages
3. Introduction to Data Structures
4. Types of data structures in R

UNIT II: Vectors, Matrices and Import & Export of Data
1. Vectors, Types of Vectors and their creation procedures, assigning created Vector to an object,
2. Basic vector operations, Operations between vectors
3. Matrices, Creating a matrix. Extracting elements rows or columns from a matrix, combining two matrices, Basic matrix operations
4. Importing Exporting data& data types: Import from and export to CSV, SPSS, text file and Excel. Data types Numerical, Nominal and Ordinal data types, modifying data types.

UNIT III: Arrays, Lists & Factors
1. Arrays& Creating an Array
2. Finding, Type and Dimension of Array
3. Lists, creating a List & Extracting a specific component from a list,
4. Extracting a component from a sub list, Factors, creating a factor, Unordered and ordered factors.

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COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAFT302	DSE	Introduction to R Software	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

*****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 IV: Data Frames in R
1. Data frames & Creating a Data frame.
2. Examining different parts of a data frame,
3. Editing and saving a data frame
4. Organizing values into data frames
5. Loading frames from files and merging them

UNIT V: Basic Application of R
1. Working with real-world data- testing for correlation between data sets, linear models and installing additional packages
2. Descriptive statistics- Histograms, Sample means, Variances & Co-variances.
3. Basic R statistics, Covariance, Correlation& Autocorrelation
4. Linear combinations of random variables.

SUGGESTED READINGS
1. Mark Gardener: Beginning R: The Statistical Programming Language, Willey publications, Latest Edition.
2. Norman Matloff: The Art of R Programming A Tour of Statistical Software Design Oreilly & Associates Inc, Latest Edition
3. Eric Mayor, Learning Predictive Analytics with R, Packet Publishing, Latest Edition.
4. Sandeep Rakshit, "R for Beginners". Mc Graw Hill Education. Latest Edition.
5. S Hadley Wickham, Garrett Grolemund. R for Data Science Import. Tidy. Transform. Visualize, and Model Data O'Reilly Media, Latest Edition

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MBAFT303 FINANCIAL SPREADSHEET MODELLING -I

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME					L	T	P	CREDITS
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
MBAFT303	DSE	Financial Spreadsheet Modelling -I	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

****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 apply the business and strategic acumen in analyzing fundamentals of a company enabling students to make acute forecasts of the financials. The company will also be analyzed with various valuation models and uncertainty 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 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
CO1 To gain an understanding and appreciation of the principles and applications relevant to the planning, design, and application of MS-Excel in various business domain.
CO2 To understand basic MS-Excel tools to gather & represent the information from the data.
CO3 To apply the analytical skills of uncertainty to analysis the business decision problems.
C04 To increase the knowledge and broaden the perspective of the world through spreadsheet modelling.

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COURSE CODE	CATEGORY	COURSE NAME	THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
MBAFT303	DSE	Financial Spreadsheet Modelling -I	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

*****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
1. Excel user interface, application
2. Workbook, worksheets & its components,
3. Named ranges, formatting of worksheets,
4. Dealing with various tabs
5. Insert chart

UNIT II: Data Handling
1. Data Sorting&filtering
2. Data Validation
3. Data Grouping, Grouping Rows & Grouping Columns
4. Data Duplicates Conditional Formatting
5. Data Consolidation

UNIT III: Formula & Functions
1. Formulas, Formula Auditing,
2. TEXT Functions, IF-ERROR Functions, LOGICAL Functions,
3. VLOOKUP, HLOOKUP, Index Match COUNTIF, SUMIF, SUMPRODUCT
4. Statistical Functions AVERAGE, AVERAGEA, STDEV.S, STDEVP, VARS, VARP CORREL& Others (MIN, MINA, MAX, MAXA)

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Choice Based Credit System (CBCS) in Light of NEP-2020
MBA- FINTECH - III SEMESTER (2024-2026)

COURSE CODE	CATEGORY	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			PRACTICAL					
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*	L	T	P	CREDITS
MBAFT303	DSE	**Financial Spreadsheet Modelling -I**	60	20	20	-	-	3		-	3

Legends: **L** - Lecture; **T** - Tutorial/Teacher Guided Student Activity; **P** – Practical: **C** - Credit; **DSE-** Discipline Specific Elective

*__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 IV: Financial Functions:
1. FV, IRR, NPER, NPV, RRI, SLN
2. Loan Amortization Schedule
3. Ratio Calculation in Financial Statements
4. Pivot table & Slicer

UNIT V: Financial Uncertainty Analysis
1. Scenario Analysis
2. Sensitivity Analysis
3. Goal Seek

SUGGESTED READINGS
1. Michael Samonas; Financial Forecasting, Analysis and Modelling; Wiley publications; 2015 edition (Latest Edition) •
2. S Benninga and Tal Mofkadi; Financial Modeling; The MIT Press; 2022- fifth edition (Latest Edition)
3. Michael Rees. Principles of Financial Modelling; Wiley publications; 2018 edition (Latest Edition).

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MBAFT304 FINTECH ECOSYSTEM

COURSE CODE	CATEGORY	COURSE NAME	THEORY			PRACTICAL		L	T	P	CREDITS
			END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
MBAFT304	DSE	FinTech Ecosystem	60	20	20	-	-	3		-	3

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COURSE OBJECTIVE
The Course objectives are creating a blueprint of a FinTech strategy for their company. The course will cover managerial as well as technical content if participants will play the role of leaders driving FinTech projects in their firms.

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. To understand FinTech Ecosystem and analyze their impact on the Organization.
2. To describe the technologies underlying Machine learning and Artificial Intelligence.
3. To understand the practical knowledge about FinTech Venture Management and Entrepreneurship

COURSE CONTENT

UNIT I: Basics of FinTech Ecosystem
1. Overview of FinTech Ecosystem
2. Valuation and Fundraising of FinTech firms
3. Virtual Asset Accounting
4. Fintech Payment Ecosystem

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UNIT II: FinTech and Associated Risks
1. Fintech & Society
2. Cyber Risk in Data Centric Financial System
3. Operational Risk and its Impact in FinTech
4. Risk Associated with Payment
5. Credit Risk Modelling and Alternate Approaches

UNIT III: FinTech Leadership in Financial Services
1. Disruptive financial technologies
2. Fintech in Financial services
3. Crypto Assets and Cryptocurrencies

UNIT IV: FinTech Venture Management and Entrepreneurship
1. Creating FinTech Business Plan
2. Entrepreneurial Finance
3. FinTech Project Leadership
4. Innovation and Creative Disruptions in FinTech

UNIT V: FinTech Analytics
1. Artificial Intelligence & Machine learning
2. Data Driven Decision Making in Investment: WealthTech
3. Using Sentiment Score in Decision Making

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SUGGESTED READINGS

1. Lynn, T., Mooney, J.G., & Rosati, P., & Cummins, M. (2019). Disrupting Finance: FinTech and Strategy in the 21st Century. (DF)
2. Sironi, P. (2016). FinTech Innovation, From Robo-Advisors to Goal Based Investing and Gamification.
3. Paul D. Stallard, Robert Lempka, (2013) Next Generation Finance: Adapting thefinancial services industry to changes in technology, regulation and consumerbehavior.
4. Agustin Rubini, (2017) Fintech in a Flash: Financial Technology Made Easy.
5. Chandan Sengupta, (2009) Financial Analysis and Modeling using Excel and VBA,Wiley
6. Wilson Jr., Jay D., (2017) Creating Strategic Value through Financial Technology.Wiley Finance.

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