

Subject Title	Paper DSE 603: BUSINESS APPLICATIONS OF EMERGING TECHNOLOGIES		
Class/Group	B. Com (Business Analytics) (CBCS) Only	Semester	VI
Paper: DSE 603			Max. Marks: 70EE+30IE=100
PPW: 5 Hrs.			Exam Duration: 3Hrs

COURSE OUTCOMES DSE 603: BUSINESS APPLICATIONS OF EMERGING TECHNOLOGIES: -5 Credits	
CO 1	To equip the students with the knowledge regarding finance transformation
CO 2	To the students able to acquire knowledge RPA
CO 3	To the students able to understand AI applications and capabilities
CO 4	To the students able to understand cyber security
CO 5	To the students able to understand block chain

Objective: To make students to understand the Technologies of Business Applications of Emerging.

UNITS	CONTENTS
I	FINANCE TRANSFORMATION: Future of finance - Disruption in the business environment - The need to be agile in today's business environment - The role of technology as a disruptive force in a business's Finance function - Opportunities to add value, based on new business models, including the finance value chain and the CGMA Competency Framework - New skills and competencies required to enable the finance professional to add value to their organizations.
II	ROBOTIC PROCESS AUTOMATION (RPA): What RPA is and the business value of RPA - RPA applications and use cases that make the most sense - Decision criteria and steps needed to build a business case - Considerations, risks, and challenges to implementing RPA - Governance and controls considerations for a digital workforce - Accounting, finance, and organizational impact of RPA - Future of RPA and automation trends, with a focus on intelligent process automation (IPA).
III	ARTIFICIAL INTELLIGENCE (AI): Differences between AI, Machine Learning (ML) and Deep Learning (DL) - Benefits of Artificial Intelligence - AI applications and capabilities and how it drives a competitive advantage - Industry drivers and real-world examples of AI - Focuses on the importance of a data-driven AI strategy - What is an AI strategy for the enterprise? - Considerations for an AI strategy.
IV	CYBER SECURITY: Cyber security terminology and digital transformation - Attacks and the security mindset - Data breaches and privacy - Cyber security frameworks including NIST CSF - Elements of a cyber security risk management program - Benefits of investing in cyber security - Options for cyber security service offerings.
V	BLOCK CHAIN: History of block chain and bitcoin - Bitcoin and block chain characteristics - Push vs pull paradigm - Core components of block chain technology - Custody, responsibility and control continuum - Permissioned vs permission less Blockchain.
Reference	Text Books & Reference Books. 1. Finance Transformation – Manage Disruption; AICPA 2. Robotic Process Automation Fundamentals for Finance and Accounting Professionals; Edward Brooks, Steve Palomino, Miklos Vasarhelyi, Andrea Rozario, Abigail Zhang; AICPA 3. Artificial Intelligence for Accounting and Finance Professionals; AICPA 4. AI and Analytics, Accelerating Business Decisions; Sameer Dhanrajani; Wiley 5. Cyber security Fundamentals for Finance and Accounting Professionals; Christopher J. Romeo; AICPA 6. Blockchain Fundamentals for Accounting and Finance Professionals; Kirk Phillips; AICPA.