

<b>COURSE TITLE</b>	<b>IT FOR GBM</b>
<b>COURSE CODE</b>	<b>04GB0605</b>
<b>COURSE CREDITS</b>	<b>4</b>

**Course Outcomes:** After completion of this course, student will be able to:

- 1 Analyze and apply emerging IT solutions such as AI, IoT, and Blockchain to optimize global business operations and decision-making.
- 2 Develop strategic cybersecurity, cloud computing, and compliance frameworks for managing international business risks.
- 3 Utilize automation technologies like RPA, AI-driven analytics, and digital twins to improve business efficiency and scalability.
- 4 Design IT-driven futuristic business models integrating Web 3.0, sustainable computing, and decentralized finance for global competitiveness.
- 5 Design and implement cloud computing and cybersecurity strategies for global businesses, leveraging advanced technologies such as AI, quantum computing, and blockchain to optimize operations, ensure regulatory compliance, and drive data-driven decision-making.

**Pre-requisite of course:**NA

#### Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
4	0	0	50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	<b>Emerging Technologies in Global Business</b> Digital Transformation in Global Business, Artificial Intelligence (AI) and Machine Learning (ML) in Business Decision-Making, Internet of Things (IoT) and Smart Business Applications, Blockchain for Global Trade and Supply Chain Transparency, 5G and Edge Computing	15
2	<b>Cloud Computing &amp; Cybersecurity for Global Businesses</b> Cloud Computing Models (IaaS, PaaS, SaaS) & Multi-Cloud Strategies, Cybersecurity Frameworks & Threat Intelligence for International Businesses, Quantum Computing and its Future Impact on Business Management, Zero Trust Security Models for Managing International IT Operations, Regulatory Compliance in IT for Global Markets (GDPR, CCPA, ISO Standards)	15

<b>Contents : Unit</b>	<b>Topics</b>	<b>Contact Hours</b>
3	<b>Advanced Business Automation &amp; Data-Driven Decision Making</b> Robotic Process Automation (RPA) & Hyper Automation for Business Operations, Augmented Analytics & Automated Decision Intelligence, Digital Twins for Business Process Simulation & Risk Management, Metaverse & Virtual Reality (VR) for Global Business Collaboration, AI-Powered Chatbots and Virtual Assistants for Customer and Employee Engagement	15
4	<b>IT-Driven Strategies for Future Business Models</b> Smart Contracts & Decentralized Finance (DeFi) in Business Transactions, Web 3.0 & Decentralized Business Models, Sustainable IT & Green Computing for Ethical Global Business Management, Big Data & Predictive Analytics for Future Market Trends, Developing an AI-Powered IT Strategy for a Global Business	15
<b>Total Hours</b>		<b>60</b>

**Textbook :**

- 1 Emerging Technologies in Business and IT, S. Jaiswal & R. Sharma, McGraw Hill India, 2023
- 2 Cybersecurity and IT Management for Global Enterprises, Rajkumar Buyya & Mukesh Rawani, Pearson India, 2022

**References:**

- 1 The Future of Business with AI, Cloud, and Blockchain, The Future of Business with AI, Cloud, and Blockchain, Bernard Marr, Wiley, 2023
- 2 Digital Business Transformation: AI, Automation, and IT Strategies, Digital Business Transformation: AI, Automation, and IT Strategies, Thomas H. Davenport, Harvard Business Review Press, 2022

**Suggested Theory Distribution:**

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
<b>Remember / Knowledge</b>	<b>Understand</b>	<b>Apply</b>	<b>Analyze</b>	<b>Evaluate</b>	<b>Higher order Thinking / Creative</b>
20.00	30.00	25.00	15.00	10.00	0.00

**Instructional Method:**

- 1 Case Based Learning, Project Based Learning, Flipped Classroom, Collaborative Learning