III SEMESTED

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Course Code E	CORE COURSES MERGING EXPONENTIAL TECHNOLOGIE 20MR 4301	e e			
Teaching Hours/Week	-0MBA301	CIE Marks	40		
Credits	3:0:2	SEE Marks	60		
Objective of the Course:	04	Exam Hours	03		
1. To understand the		Exam rours			
2. To study data science	ging technologies applicable in field of Managem	ent.			
10 understand the	accision making in Management	• 111.	1		
4. 10 study other	To Tail and AR.		1		
Module -1 Introduction to Em Evolution of technologies: In	ept of AI, IOT and AR. g technologies in Management.				
Evolution of technological	erging rechnologies	9	hours		
Revolution; Introduction to Fo	troduction to Industrial revolution; Historical urth industrial revolution (IR 4.0); Role of decreases for emerging technologies (programmable)	background of the	e Industrial		
Enabling devices and network	for amount revolution (IR 4.0); Role of d	ata for Emerging to	echnologies;		
	ourth industrial revolution (IR 4.0); Role of discourage for emerging technologies (programmable erging technologies.	devices); Human	to Machine		
Overview for Data Science; Definition of data and information; Data types and representation; Data Value Cha Module -3 Artificial Leaving: Data Curating; Data Storage: Data Usage: Basic concepts of Ric Data					
Data Acquisition; Data Analysis: Data Character of Communication Data types and representation; Data Value Chain;					
Data Acquisition; Data Analysis; Data Curating; Data Storage; Data Usage; Basic concepts of Big Data. Concept of Alexandre Storage (AI)					
Concept of AI, meaning of AI, History of AI, Levels of AI, Types of AI, Applications of AI agriculture, Module -4 Internet of CI.					
CALLICA OI IIII. Manning	10-		Q house		
Overview of IOT; meaning of IOT; History of IOT; Advantages of IOT; Challenges of IOT; IOT workin Wearable devices; Smart farming; IOT tools and platforms; Sample application with hands on a visit.					
farming	C. IOT 4-1	art home; Smart gri	id; Smart city;		
Module-3 Augmented Deality	(AD)	with fiallus on activ	IIV.		
introduction to AR Virtual roa	lite (VID)		9 hours		
systems. Application of AR sy	stems (education, medical, assist	reality (MR), Archi	itecture of AF		
dello.	and addition, chiefta	nment) workshop	oriented hand		
Wiodule-6 Ethics, Professional	cm and Out T				
Technology and ethics, Digital r	orivacy, Accountability and trust, Treats and chain technology, Cloud on the		7 hours		
Other Technologies: Block cha	onvacy, Accountability and trust, Treats and chain technology, Cloud and quantum computing, manufacturing (3D Printing)	allenges.			
vision, Cyber security, Additive	manufacturing (3D Principal)	Autonomic compu	ting, Compute		
Course Outcomes:		•	2- 1		
By the end of this course the stu	dent will able to	-			

nd of this course the student will able to:

- 1. Identify different emerging technologies
- Select appropriate technology and tools for a given task
- Identify necessary inputs for application of emerging technologies
- Understand the latest developments in the area of technology to support business

Practical Component:

- Big data analysis using an analytical tool
- Study the Application of AI in any one field and prepare a Report
- Study the Ethical practices of a Company
- 3D model Printing by Group or team
- Exposing the students to usage of IoT

	CO-P	O mapping			
СО	PO				
	PO1	PO2	PO3	PO4	PO5
CO1	×				
CO2	×	×		×	
CO3	×	×		×	
CO4	×				

Question paper pattern:

The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 60.

The question paper will have 8 full questions carrying equal marks.

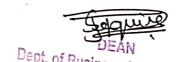
Each full question is for 20 marks.

Each full question will have sub question covering all the topics under a Module.

The students will have to answer five full questions; selecting four full question from question number one to seven and question number eight is compulsory.

100 percent theory in the SEE.

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SI No	Title of the book	Name of the Author/s	Publisher Name	Edition and year
1	Designing for Emerging Technologies: UX for Genomics, Robotics, and the Internet of Things	Follett, J.	O'Reilly Media	2014
2	Emerging Technologies for Emerging Markets	Vong, J., & Song, I.	Springer Singapore	2014
3	Disruption: Emerging Technologies and the Future of Work	Del Rosal, V.	Emtechub.	2015
4	Emerging Internet-Based Technologies	Sadiku, M. N. O	CRC Press	2019
Refe	rence Books			
1	Digital Economy. Emerging Technologies and Business Innovation,	Mohamed Anis Bach Tobji, Rim Jallouli, Yamen Koubaa, Anton Nijholt		2018
2	Virtual & Augmented Reality for Dummies	Paul Mealy,		2018
3	Augmented Reality and Virtual Reality: Empowering Human, Place and Business,	Timothy Jung, M. Claudia tom Dieck		2019



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