<<Foundations of Digital Business>> Syllabus

Week/Module	Topics	Release Date
Week 0	• Demo Video • Welcome to the course • Course Schedule • Grading Policy • Exam Details • FAQ	31st July 2023
Week 1:Data	• What is Digital? • Digitalization vs Digitization • Structured and unstructured data • Data Demo • Databases • Databases Demo • Big data • The Volume and Dimension • Variety-Velocity-Veracity • Big data Demo • Data Warehousing: An Introduction • Data Warehouse Architecture • Data Warehousing– Facts and Dimensions	31st July 2023

	Working with Data Warehousing	
Week 2: Agile	• Software • Introduction to Software Development Life Cycle • Requirements and Design • Coding, Testing and Deployment • Ground realities • Waterfall Model • Spiral Model and USDP • Agile Scrum Framework: Introduction • Agile Scrum Framework: Events and Metrics • Agile Scrum Framework: End-to-End Process • Introduction to Open Source • Licencing • Proprietary vs Open Source Licences • Products and Creators • Why Open Source is Made • Why Open Source is Used	11th August 2023

Week 3: Infrastructure	• Computing at Scale • Cloud Computing • Digital Goods • Properties of Digital Goods • Network effects • Web Fundamentals • The Internet	18th August 2023
	Mid – Term Assessment	18th August 2023 **Due Date: 18th September 2023**
Week 4: Emerging Technologies	• Blockchain • Extended reality • Robotics • Human-AI interaction • Machine learning • Neural nets • Synthetic data	25th August 2023
Week 5: Enterprise Applications	• Enterprise Architecture • Vendor Management • Cyber Security types of Malware • Cyber Security Social Threats • Cyber Security DoS Attack	1st September 2023

	• Cyber Security Protection • Cyber security Protecting the Organization	
	End – Term Assessment	29th September 2023 **Due Date: 29th October 2023**

Final Exam Details:

If you wish to obtain a certificate, you must register and take the proctored exam in person at one of the designated exam centres. The registration URL will be announced when the registration form is open. To obtain the certification, you need to fill out the online registration form and pay the exam fee. More details will be provided when the exam registration form is published, including any potential changes. For further information on the exam locations and the conditions associated with filling out the form, please refer to the form.

Grading Policy:

Assessment Type	Weightage
Mid-Term & End-Term	25%
Final Exam	75%

Certificate Eligibility:

- 40% marks and above in Mid Term & End Term
- 40% marks and above in the final proctored exam

Disclaimer: In order to be eligible for the certificate, you must register for enrolment and exams using the same email ID. If different email IDs are used, you will not be considered eligible for the certificate.