

# COURSE CONTENT

1.0	Programme Title	<b>INTRODUCTION TO CLOUD COMPUTING AND DATABASE TECHNOLOGIES FOR BEGINNERS</b>
1.2	Duration	2 Days (14 Hours)
1.4	Course Overview	This course serves as an introduction to the fundamental concepts of cloud computing and database technologies for individuals new to the field. Participants will gain insights into the basics of cloud infrastructure, services, and database management systems, laying a strong foundation for further exploration in these domains.
1.5	Course Objectives	<ul style="list-style-type: none"> <li>• To provide participants with an understanding of cloud computing principles and architecture.</li> <li>• To introduce participants to various cloud service models and deployment models.</li> <li>• To familiarize participants with different types of databases and their functionalities.</li> <li>• To equip participants with basic skills to work with cloud services and databases effectively.</li> </ul>
1.6	Course Outcome	<p>Upon completion of this course, participants will:</p> <ul style="list-style-type: none"> <li>• Understand the concept of cloud computing and its significance in modern IT environments.</li> <li>• Be familiar with the key components and characteristics of cloud infrastructure.</li> <li>• Gain insights into different types of databases, including relational and NoSQL databases.</li> <li>• Possess basic skills to deploy applications on cloud platforms and interact with databases.</li> </ul>
1.7	Course Content / Outline	<p><b>DAY 1:</b></p> <ul style="list-style-type: none"> <li>• Introduction to Cloud Computing</li> <li>• Cloud Service Models: IaaS, PaaS, SaaS</li> <li>• Cloud Deployment Models: Public, Private, Hybrid</li> <li>• Overview of Cloud Providers: AWS, Azure, Google Cloud</li> <li>• Introduction to Relational Databases</li> </ul> <p><b>DAY 2:</b></p> <ul style="list-style-type: none"> <li>• Overview of NoSQL Databases</li> <li>• Database Management Systems (DBMS)</li> <li>• Data Modelling and Design Basics</li> <li>• Introduction to SQL (Structured Query Language)</li> </ul>

		<ul style="list-style-type: none"> <li>• Hands-on Exercises with Cloud Services and Databases</li> </ul>
1.8	Who Should Attend	<p>This course is designed for:</p> <ul style="list-style-type: none"> <li>• Individuals new to the field of IT and interested in understanding cloud computing and databases.</li> <li>• Students pursuing degrees in computer science, information technology, or related fields.</li> <li>• Professionals seeking to transition into roles involving cloud computing or database management.</li> </ul>
1.9	Methodology	<ul style="list-style-type: none"> <li>• Lectures and presentations</li> <li>• Hands-on demonstrations and exercises</li> <li>• Interactive discussions and Q&amp;A sessions</li> <li>• Practical examples and case studies</li> </ul>
2.0	Prerequisites	<p>No prior knowledge or experience in cloud computing or database technologies is required. Participants should have a basic understanding of computer systems and the internet. Familiarity with basic programming concepts will be beneficial but not mandatory.</p>