

**GANPAT UNIVERSITY**  
**U.V.PATEL COLLEGE OF ENGINEERING**  
**B. TECH SEM-VI (CE/IT/CE-AI)**  
**2CEIT603: Cloud Computing**  
**1st Internal Exam Syllabus March 2024**

Unit	Syllabus
1	Introduction: Introduction to Cloud Computing – Definition of Cloud – Evolution of Cloud Computing – Underlying Principles of Parallel and Distributed Computing, Layers and Types of Clouds, Cloud Infrastructure Management, Challenges and Applications. Cloud Services: Introduction to Cloud Services IaaS, PaaS and SaaS.
2	Cloud-enabling Technologies: Service Oriented Architecture – REST and Systems of Systems – Web Services – Publish Subscribe Model – Basics of Virtualization – Need for Virtualization – Pros and cons of Virtualization – Types of Virtualization – System VM, Process VM, VM provisioning process, VM Migration techniques,
3	Cloud Architecture, Services, and Storage: Layered Cloud Architecture Design– Public, Private, and Hybrid Clouds – IaaS – PaaS – SaaS.
	<b>For PPT: Please refer to 1- Prerequisite, 2- Introduction, 3-Web service, and cloud computing, 4- IAAS (up to slide number 26)</b>