



**Ganpat University - Faculty of Engineering & Technology**

**Computer Engineering**

**2CEIT603: CLOUD COMPUTING**

**Course Outcomes**

<b>CO1</b>	Understand the hardware, software concepts, and architecture of cloud computing.
<b>CO2</b>	Understand the Service Model with reference to Cloud Computing.
<b>CO3</b>	Appreciate the role of Virtualization Technologies.
<b>CO4</b>	Ability to design and deploy Cloud Infrastructure.
<b>CO5</b>	Understand cloud security issues and solutions.

**List of Experiments**

<b>S_No</b>	<b>Experiments</b>	<b>CO Mapping</b>
<b>1</b>	Web Service Implementation.	<b>CO4</b>
<b>2</b>	Java RMI Programming. (1) Implementation of “Hello World” Service using Java RMI. (2) Implementation of “Calculator” Service (Add, Sub, Mul, Div) using Java RMI.	<b>CO4</b>
<b>3</b>	Installation & Configuration of Hosted-Based Hypervisor ( VMware / Oracle Virtual Box).	<b>CO3</b>
<b>4</b>	Cloud Sim Overview and Installation in NetBeans IDE To create a data center with one host and run one cloudlet on it using CloudSim.	<b>CO2,CO4</b>
<b>5</b>	Amazon EC2 Configuration. 1. Host a website on Windows EC2 instance. 2. Host a website on a Linux EC2 instance.	<b>CO1,CO2</b>
<b>6</b>	Create Application Load Balance to balance HTTP traffic using the AWS Elastic Load Balancing (ELB).	<b>CO1,CO2</b>
<b>7</b>	Study Private Cloud - Open Nebula.	<b>CO4,CO5</b>
<b>8</b>	Learn how to configure Aneka.	<b>CO4,CO5</b>
<b>9</b>	Study Google App Engine	<b>CO2,CO4</b>
<b>10</b>	Develop an application using Salesforce.com	<b>CO3,CO5</b>
<b>11</b>	Study architecture and working of OpenStack	<b>CO2,CO4</b>