

**III B.C.A- V SEMESTER**

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**CLOUD COMPUTING**

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UNIT I

**Cloud Computing:** Introduction –Surveying the Role of Cloud Computing - Developing Cloud Services- Advantage of Auxiliary Cloud Services- Deploying Application and Services to the Azure Cloud.

UNIT II

**Windows Azure Platform Architecture:** Lifecycle- Securing Data - Isolating Services and Data - Assuring Fabric Controller Availability- Virtualizing Windows Server for Azure.

UNIT III

**Minimizing Risk When Moving to the Azure Cloud Service:** Bypassing the Barrier to Cloud Computing- Implementing the Secure Sockets Layers Transmission- Encryption for Web Roles- Encrypting Personal Information in Azure Storage Services.

UNIT IV

**Authenticating Users with .NET Access Control Services:** Creating the .NET Services Solution - Installing the .NET Services SDK and other Tools - Card Space Credentials at Federated identity .Net - Managed Card Space Credential with ACS.

UNIT V

**Interconnecting the Services with the .NET Service Bus:** Creating .NET Service Solution and Installing Prerequisites – Relaying Message with SB - Exploring .NET Service Bus Queues and Routers: Persisting Messages in Service- Bus Queues, Delivering Message with Service Bus Routers.

**Reference Books:**

1. “Cloud Computing with the Windows Azure Platform”, Roger Jennings, Wiley.
2. “Cloud Computing”, Michael Miller, Pearson Education.
3. “AJAX Construction Kit: Building Plug-and-Play Ajax Applications,” Michael Morrison.
4. “AJAX Security”, Billy Hoffman and Bryan Sullivan.
5. “Parallel Programming”, Barry Wilkinson and Michael Allen