III B.SC– V SEMESTER
CLOUD COMPUTING

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.