

Vasavi College of Engineering

Ibrahimbagh -31

Department of Computer Science & Engineering

A Report on Guest lecture on “**Microsoft SQL Server and SQL Azure**” conducted on Aug 07th , 2013.

(Conducted under TEQIP-II)

A Guest Lecture on “**Microsoft SQL Server and SQL Azure**” was delivered by Mr. K. Naga Kumar, Project Manager, EDUKINECT, Hyderabad for the student audiences of M.Tech (CSE) Aug 07th, 2013.

The objectives of session were to enlighten the students with Microsoft SQL Server Architecture and Microsoft SQL Azure Architecture.

The speaker started with the introduction to the basics of SQL server and how application interact with SQL server via various client side libraries like ODBC, OLE-DB, and ADO.NET, in order to execute SQL.

The session continued with the discussion of following concepts

- Thread pooling on the server in order to assign threads for internal background tasks such as lazy writer, Checkpoint, Deadlock monitoring.
- Various uses of memory management within the SQL Server process such as buffer pool, Dynamic memory allocation, Plan and execution cache, large memory grants.
- Comprehensive security mechanisms and policies for authentication, authorization, audit, and encryption provide by SQL server.



Speaker was also keep towards the discussion of Microsoft SQL Azure Architecture which comprises of the Windows Azure runtime environment, the local development environment and the two main services within the runtime environment: Compute and Storage.

Speaker concluded the session by narrating that Windows Azure Management portal can also be used to administrate Windows Azure platform resources.