

Vasavi College of Engineering
Ibrahimbagh- 31
Department of Computer Science & Engineering

A Report on Guest Lecture on “**Data Centers in Cloud Computing Environment**” by Mr. Ragotham on June 24th, 2013

A Guest Lecture on “**Data Centers in Cloud Computing Environment**” was delivered by Mr. Ragotham, EMC Sr. SAN/Storage Administrator for the student audiences of M.Tech. (CSE) on June 24th, 2013 at VCE College campus.

Mr. Ragotham has a total of Twelve years of IT experience with Eight plus years of experience in SAN and Storage Administration and four plus years of experience in Unix and NT Server Administration.

The objective of the session were to enlighten students with efficient configuration and maintenance of data center in cloud infrastructure, how to cope up with various challenges alarming while in the process of configuration and maintenance of data center.

The speaker started off session with an introduction to the “**DATA CENTER**”. Where in speaker has focused on the following points:

- How connection is established between servers and storage units with the help of fiber channels.
- How data is fetched when a request to server is given.
- How a server efficiently recognizes a client request to its appropriate storage unit.

- When VMware is used and number of virtual nodes are established, how storage distribution takes place.



Speaker has also stressed on the security aspects of data centre in brief which includes the following points.

- How to secure data centers.
- How virtual LAN is efficient over LAN.
- Storage area network (SAN) v/s local area network (LAN).
- Why SAN is preferred over LAN while maintenance is done.

Student were truly enlightened to know how the data stored in the data center can be protected from disasters under faulty conditions, crashes etc.

Speaker concluded the seminar by narrating various challenges faced while maintaining the data center and measure taken to overcome them.