GRID AND CLOUD COMPOTING

Introduction: Of Evolution of Distributed computing:

1. Scalable competing over the Returnet

2. Techologies for new based slm's

3. clusters of cooperative computers

4. Grid competing Infrastructures.

5. Cloud computing

6. Service oriented architecture.

7. Introduction to Good Architecture & standar

8. Electents of gold.

9. Overview of grid Architecture.

-EIRID SERVICES: 1. Introduction to open - Grid Services Archétecte

2. Motivation

3. Functionality Requirements

4. Practical & Ditailed view of 065A/0651.

5. Datos intensive grid service models

Bervices. 6.063A

Unit-III-

VIRTUALIZATZON: 1- cloud deployment models: 1. public

a completely

5. categories of cloud computing: 1. Everything as a service:
1. Infrastructure
2. Platform
3. s/w - Rems
4. Kros & cons of told composition
5. Implementation levels of virtualization.
6. Virtualization Structure
7. Virtualization of CPU
8. Mercory & \$10 derices
9. Virtual dusters & Resource Management
9. Virtual dusters & Resource Management 10. Virtualization for data Center automation.
Unite :- PROGRAMMING MODEL:
1. Open Source grid middleware packages
3 Stabel Tool of Cotto) Architecture
3. Configuration
4. Usage of Globus.
5. Main Components & programming model
6. Introduction to Hadoop Framework.
7. Mapreduce
8. Exput splitting
9. Map 4 réduce functions
10. Specifying ilP & olp parameters! 1/2
11. Configuring l' numing a job.
a Tradoop file In
13. HDPS concepts.

14. Command line & java interface. 15. Dataflow of file read & file write. Unit-I:-BECURETY: 1. Trust models for Evid security environment 2. Authentication & Authorization mothods 3.-Grad security infrastructure 4. Cloud infrastructure security: 1. Notwork, 2. Host & application level. 3. Aspects of data security 4. Provider data and its security 5. Rdentity & access management corchitectus 6. IAM practices in the cloud. 7. 3aas, Paas, Iaas. Availability in the cloud 8. Key průvacy issues in the cloud