



Vidya Jyothi Institute of Technology

An Autonomous Institution

(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

4) Interactive Learning: Role Play Activity

Academic Year: 2019-2020

Faculty Name: G.Kalpana

Subject : Advanced Databases

Topic: Transaction properties & Processing Issues

Participants: Students of IV th yr A section

Implementation: Initially I have explained the definition of transaction, properties of transaction and issues of processing transactions.

To Avoid Transaction Processing Issues in DDBMS we have the following topics

Atomicity, Consistency, Inconsistency, Durability properties, Several Concurrency control algorithms, How to synchronize concurrent transaction executions (correctness criterion), Intra-transaction consistency, Isolation, How to control the mutual consistency of replicated data

Here as part of Role play activity I have given a bank scenario to the students and asked them how to avoid inconsistency and concurrency problems of bank transaction with their action



Outcome: All the students actively participated and involved and played different roles according to the application type. All the students learned the topic and enjoyed while learning. It improves their subject knowledge and they memorize the topics easily.

Some other aids like

1. NPTEL Lectures and other Video

(Faculty Incharge)

(CSE-HOD)