



**SE-575**

## **ENTERPRISE APPLICATION INTEGRATION**

### **UNIT-I**

**Application Integration** – Need, Issues, Data level integration, Application Interface level integration, Method level integration.

### **UNIT-II**

User interface level integration, EAI process, middleware- Models, Transaction, RPC, MOM, Distributed objects, Database Oriented Middleware.

### **UNIT-III**

Enterprise integration design objectives, Enterprise architecture – General characteristics, business system hierarchy, integration infrastructure –network, Workflow, Business system Domain-Enterprise Data Storage, Knowledge access, Establishing- Enterprise infrastructure business system Domain characteristics, component, Application Design issues.

### **UNIT-IV**

Message infrastructure – Design Objectives, JMS, Design consideration workflow-Introduction, Process Design considerations, integration elements, scalability, Product requirements, standards. Web based user access – environment, client facilities, server facilities, session management, XML Integration – benefits, XML extended technology, impact.

## UNIT-V

Component Technology – strategy, specification, Enterprise system security – requirements, techniques, strategy, Enterprise intelligence – Business requirements, architectural support, Implementing architecture – strategic Planning, changing user mind set, implementing infrastructure, setting application integration goals, managing application development, setting standards, managing change.

### Suggested Reading:

1. David S Linthicum- "*Enterprise Application Integration*". Addison,2000.
2. Fred A Cummins -"*Enterprise Integration*". John Wiley,2002.