OBJECTIVES

3.1 Introduction
The objective is to develop an effective, flexible and reliable system for Distance Evaluation using Mobile Agent. Here we survey the existing mobile agent frameworks to understand state of the art. We then use the mobile agent approach for designing, implementing and deploying a system for distance evaluation of students. In this system Mobile Agents seemed particularly useful because they map directly to real life situations, are dynamic autonomous entities, and can work in both push and pull modes.

Interest in network-centric programming and application has surged in recent years thanks to the exponential growth of the Internet and widespread popularity of WWW. In response, new techniques, languages and paradigms have evolved to facilitate the creation of such application. One of the most promising the paradigm and implementation of distributed system. A mobile agent is program that moves around a network and can communicate with its environment and other agents.

3.2 Objectives of the study
The main aim of this study is to investigate the use of Mobile Agent Technology in Distance Evaluation. To achieve the relevant results of this study, there have been extensive researches going on in the development of the mobile agent systems. But there are not many efforts in the study of their performance in real world applications and very few in Distance Evaluation. As a result, the spread of mobile agent technology in the real world applications cannot be seen yet. The main obstacles faced by the researchers are the Complexity of evaluating distributed applications in heterogeneous networks and expenses of building test beds for their experiments.

The following specific objectives were addressed:

(i) Identifying the various technique for Evaluation, Assessment in examination System,
(ii) Describing Computer Based Evaluation in Remote Examination System
(iii) Identifying & study the different Mobile Agent Framework
(iv) Study the Client-Server Model; identify the disadvantage of Client-Server Model.
(v) Investigating and describing the uses of Mobile Agent Technology in Remote Examination System,
(vi) Describing the socio-economic benefits associated with Student (Examinee) & Institution like University or examination conducting organization by using Mobile Agent Technology.

(vii) Identifying factor affecting Mobile Agent Technology use by the student and institution in Distance Evaluation.

(viii) We motivate the use of mobile agents as enabling paradigm and technology for Distance Evaluation due to their distinctive features able to effectively and efficiently deal with examination process.

(ix) We propose the design of a Java-based lightweight mobile agent-based framework for Distance Evaluation which provide a flexible and extensible distributed programming environment for examination process and services.

(x) To propose alternatives to paper-based examination i.e. Computer based and Internet based