INTRODUCTION

The development & growth of distributed system & exponential growth of internet and widespread popularity of world wide web has created the possibility of education being imparted on much larger scale and has led to new avenues for distance education. Existing computer based evaluation mechanisms, such as Web Based Testing, rely principally on the client-server model. Such mechanisms usually do not scale well and also do not fully support features like: evaluation of subjective questions, delivery of dynamic content, and off-line examinations. These features are extremely desirable for distance evaluation and there is a need for alternate ways of designing such applications. This technique can be implemented in a distributed distance-learning environment, which allows students or instructors to login from anywhere to a central server in an education center while still retaining the look-and-feel of personal setups. Many Universities, college, institution have started their online courses along with their regular in house courses.

1.1 Problem Statement
The extent of Mobile Agent Technology deployment in Indian Education and Examination System remains uncertain. It is not yet established which different specific Mobile Agent Technology are used and how they are used in different area, their extent of deployment. More studies on Mobile Agent Technology deployment have focused on other sectors such as education, health, banking, e-government and tourism. Less research have been done on Mobile Agent Technology deployment in Indian Education & Examination System. Mobile Agent Technology used in network management, information retrieval, distributed simulation, electronic commerce, and mobile computing.

We investigated the use of Mobile Agent Technology in Indian Examination & Evaluation System, but since then a number of new Mobile Agent Technology have emerged, and it is likely that the Indian Educational Institution or University have adopted more technologies. Few studies have focused on the factors that influence the use of Mobile Agent Technology in Indian Educational and Examination System. We specifically investigated the factors that influence the use of a Mobile Agent Technology, Survey of Mobile Agent, and Analysis and Evaluate the Performance of Mobile Agent, Applications of Mobile Agent, and Advantage & Disadvantage of
Mobile Agent Technology and Select the better performance of Mobile Agent paradigm for implementing our Distance Evaluation System. Without a clear understanding of the factors that determine Mobile Agent Performance, it is difficult to develop projects for Examination System. Therefore, the purpose of this study is to identify the Better Mobile Agent paradigm being used in Distance Evaluation. The following section presents the specific research questions for the study.

1.2 Research questions
The research questions were posed in order to provide direction for both the theoretical framework and empirical analysis of the research.

1.3 Research Questions

Research Problem
Types of Technology used in Examination System.
Research Questions
What are the different kinds of Technology that are being used in Evaluation and Assessment in Examination System?

Research Problem
Major Mobile Agent technology uses.
Research Questions
What is New Trend & New Emerging Technology used for Distance Evaluation System by Examination System?

Research Problem
Barriers inhibiting Mobile Agent Technology use.
Research Questions
What are the major barriers that hinder the use of Mobile Agent Technology in Distance Evaluation System?

Research Problem
Benefits of Mobile Agent Technology uses.
Research Questions
What is the key benefits from Mobile Agent Technology use by Distance Evaluation System, examinee & examination conducting System?
Factors affecting Mobile Agent Technology use.

**Research Questions**

What factors influence the use of Mobile Agent in Distance Evaluation by examinee, examiners & conducting system?

**1.4 Significance of the study**

This study provides basic information for further research on Mobile Agent Technology based Distance Evaluation System in Indian Education System. This will help them to find possible solutions to the problems and challenges faced by Examination System i.e. examinee, examination conducting system, evaluation and assessment and their specific needs. The identified factors of Mobile Agent Technology use will contribute to the development of a relevant model for Distance Evaluation System. Knowledge of these use factors can also contribute towards the shaping of University or institution policy on developing Examination System. In addition, the study will contribute to the development of a model based on Distance Evaluation by using Mobile Agent Technology. This model can be used to reducing the time of examination. The results of the study will enable researchers, policymakers, service providers and other interested parties better understand the Mobile Agent Technology needs of Distance Evaluation. Also, the Education sector may find the results of the study useful for their implementing examination system, given the growing importance of examination in India. Examinations are a crucial part of both the academic teaching and learning process and of university’s administration procedures as well. IT support of administrative sections of the examination process chain is common today among universities. Recently, some higher education institutions have started off to switch paper-based examinations into a computer-based environment due to increasing numbers of exams. On-screen exams are supposed to reduce costs, and improve quality and speed of the correction process. However, integrating computer-based tests and assessments in the examination process chain brings about a lot of problems and challenges for both faculty and administrators. Against the background of the IT-supported examination workflow, this contribution focuses on the organizational and technological challenges that have to be met and presents some lessons learnt from recent developments in examination system.
Having discussed the important issues about the study, it is important to define the technologies that this study is investigating. The following section presents the definition of Mobile Agent Technology.

1.5 Mobile Agent

The term agent comes from Greek ‘agein’, which means to drive or to lead. Today the term agent denotes something that produces or is capable of producing an effect. It can be a chemically, physically or biologically active principle. With this broad scope the term agent can be used for substances (rinsing agent) as well as for human beings (travel agent). With its connotation of driving or leading something, the term is very suitable to describe current trends in computer science away from using the computer as a passive tool towards considering the computer as some more active instrument, in particular an instrument to which work can be delegated. Programming techniques and software that enable a more active role of the computer have been proposed in many different areas of computer science.

1.6 Summary Of Chapters

This chapter served to introduce the problem to be addressed, the objective of the study, the background information on Examination System and Mobile Agent Technology, the research questions and the significance of the study. Since the study deals with the use of Mobile Agent Technology in Distance Evaluation, it would be appropriate to appreciate the importance and role of Mobile Agent in Computer Assisted Testing & Evaluation i.e. in Distance Evaluation. This is undertaken in Chapter 2 where the literature is reviewed at length. Since the study is also interested in how Mobile Agent Technology is used for Computer Based Evaluation in Examination Process.

Chapter three presents the theoretical framework underpinning this study. It discusses proposed models used in adoption and use of technology.

Chapter 4 discusses the Mobile Agent Framework that is used in various applications.

The research method, research plan and analytical procedures are discussed in Chapter 5.

Chapter 6 presents the empirical results of the study for the Mobile Agent.

Chapter seven presents the empirical results of the study for the farmers. Descriptive statistics, correlation and chi-square tests results for the farmers are presented in this chapter. The analysis of the results from the study, for both the examination process and Mobile Agent framework is presented in chapter eight. Chapter nine summarizes the possible econometric model that can be
derived from this study, compares the findings from this study to previous related literature and provides recommendations for the improvement of Mobile Agent use in Distance Evaluation. Lastly, chapter ten concludes the study with a brief summary, a discussion of the limitations of the study and the prospects of future studies.