

## ONLINE LEARNING ENVIRONMENT SYSTEM (OLES) - EXPERT SYSTEM FOR LEARNING & SOCIAL ADVANCEMENT

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**Abstract-** Due to rapid advancement in information technology, digital revolution creates a new era & scope in smart based e-devices. New portable and electronic devices take place of old text books. In this study we introduced some key questions with novel emerging e-Smart based knowledge management environment. Smart based learning simply means that learning and teaching by electronic devices. Our study also established some key findings especially in human quality based development (HQBD) such as thinking ability, living slandered, human value, future based life planning etc. We also observe during our study, living slandered are significantly improve and also this things create a new space to eradicate the poverty alleviation in developing countries. We develop a system based on Service Oriented Architecture (SOA), key features of this system one can take online examination, evaluation, offline study and also enable us to arrange online and offline examination module for technology poorer country specially in third world countries. During study we also focus & delineate to ask people about what are the changes they observe or found when they adopt new way of learning & knowledge based management system.

**Keywords :** SOA, Knowledge Management System, Smart Learning .

### I. INTRODUCTION

Now a day modern digital technology creates a massive scope for smart devices which replaces conventional learning environment and e-smart based enabled devices reduces the time. Students and teachers are primary user of Internet at institutional level on a regular basis in order to follow/receive lectures, ask/answer questions and send/receive assessments. However, universities rely on an examination process in which students hold a face to face exam in a physical place determined by the university under supervised conditions. Such conditions ensure the correctness of the exam, a difficult task to achieve in a virtual exam model [1]. Face to face exams allow to check students identity and ensure exam authoring using traditional means (checking an identity card and ensuring no one helps the student during the exam). Ensure student identity and authoring in a virtual or distance exam has been pointed out as a hard problem in the literature with a difficult solution. Then institutions still need face to face exams. However, face to face exams represent an important effort for institutions[2].

The management of era of the electronics way to make the smart of the social environments and also reduce the manual works of all institution, students and teacher works and make easy of the daily life of the college and related

environments[3]. The system based on the traditional system which is existing in the real life before a another devices but that time examination and learning system was so durable and time taken and so that problems resolving by that ideas and it is very flexible to use and reduce the errors and difficulties of manual problems system is very smart to learn to social viewers[4].

### II. CONNECTED WORK

C-DAC [5], launched the exam based learning it's a organization which provides the examination through online VIMANIC [6], the develop by the NIC from India which also organized the learning and examination by NIC committee the instructor provides the more detail's about the exam, The examination of online is not a easy, if the system not flexible then problems are occur and one errors make the big problems in a system so the challenge of online examination handle well by the organization E-exam System, develop the system for the self test modules and organize the examination on some topic, general awareness etc. This system provide the light weight work not broad a learning system. It was successfully applied to the distance evaluation of basic operating skills of students offering computer science in some Universities. Also there have been focused on the online exam system by more university.

### III. SYSTEM DESIGN & ARCHITECTURE

Design is the abstraction of a solution; it is a general description of the solution to a problem without the details. Design is view

patterns seen in the analysis phase to be a pattern in a design phase. In this system we are introduce context diagram, Use Case Diagram and Sequence Diagram.

#### A) USE CASE DIAGRAM

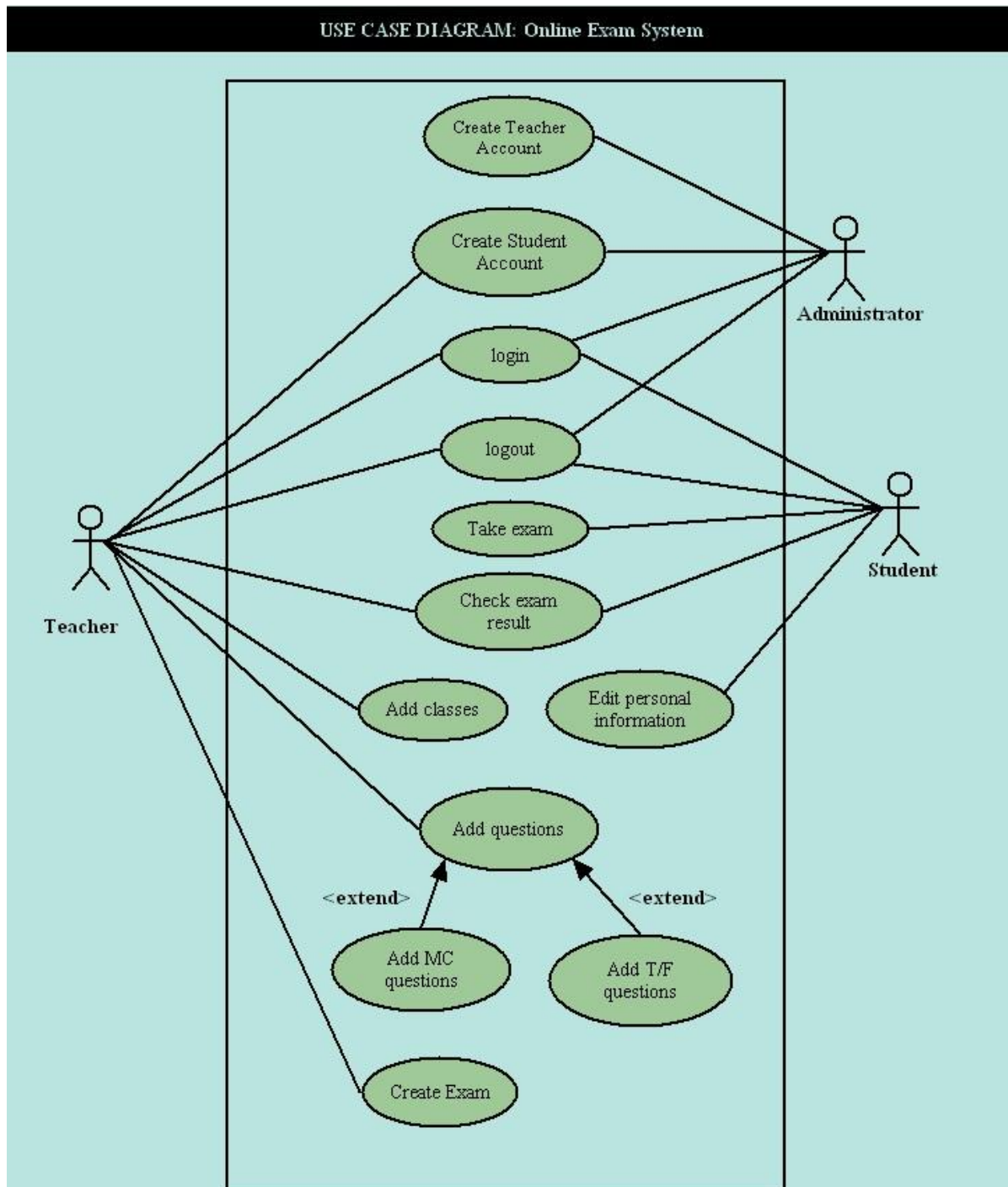


Figure 1: Complete Use Case Diagram



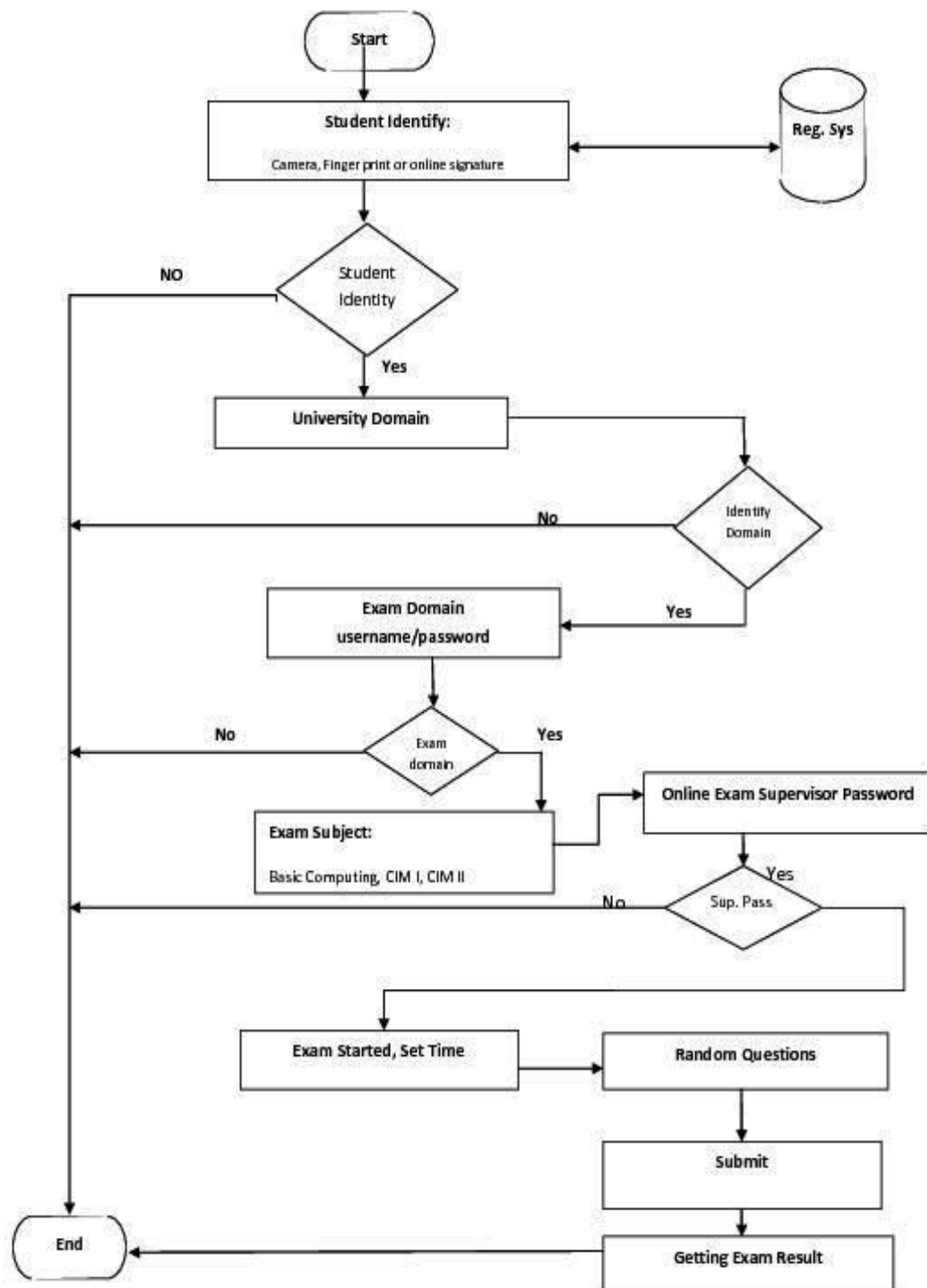


Figure 3: System Flow Diagram (SFD)

#### IV. FUTURE SCOPE

In future the system can work on smart phones operating systems the user can give the interview on the smart phones any time. The user with minimum knowledge about computer can be able operate the system easily. Online message has been provided to help the user to take necessary, correct action while using the system. Various validation techniques have been used to implement accuracy of data in all formats of input. The system has produced all the report required by the management.

#### V.CONCLUSION

Online Examination has been developed and the system was tested with proper data. The system results in regular timing preparation of the required output. In comparison with the manual system, the benefit under a computer system considerable in to saving of manpower, working hour and efforts. The proposed application also useful to set up knowledge based centre at different places using centralized station at a very low cost. Its is very needful application

for small scale based institutions, they can used such package to enhance their day to day learning activity.

#### VI. REFERENCES

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