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Smart Education Management System for School / College

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ABSTRACT: The development of new technologies enables learners to learn more effectively, efficiently, flexibly and comfortably. Learners utilize smart devices to access digital resources through wireless network and to immerse in both personalized and seamless learning. Smart education, a concept that describes learning in digital age, has gained increased attention. This paper discusses the definition of smart education and presents a conceptual framework. A four-tier framework of smart pedagogies and ten key features of smart learning environments are proposed for foster smart learners who need master knowledge and skills of the 21st century learning. The smart pedagogy framework includes class-based differentiated instruction, group-based collaborative learning, individual-based personalized learning and mass-based generative learning. Furthermore, a technological architecture of smart education, which emphasizes the role of smart computing, is proposed. The tri-tier architecture and key functions are all presented. Finally, challenges of smart education are discussed.

KEYWORDS: Smart education, Personalized learning, Seamless learning, Smart learners, Smart learning environments, Smart pedagogy, Smart computing

I. INTRODUCTION

Instruction pioneers are always searching for the most ideal ways and intends to create instructive organizations keeping in mind the end goal to give an intuitive learning condition that pulls to understudies' advantage and urges them to trade sees. The Internet is a standout amongst other approaches to give an instructive domain. Understudies utilize the Internet every now and again, get to valuable data, and encourage the making of an instructive stage where every understudy needs clarifications and data about his or her investigation, use however, much data as could be expected, and help different under studies. In our chance, there has been enormous advance in different fields, including training, where ICT has opened another and compelling wellspring of instructing and learning for all people and segments.

II. RELATED WORK

Website can be designed in any number of ways. Choosing a methodology of developing a website depends on the requirements, performance and ease of working on an application. In a broader sense, there can be many approaches

in developing a website. It is not necessary that every web application should have a proper architecture which contributes in performance. Structure of the application is important for greater performance. While considering the web application, developing a website is quite easy with ASP.NET framework as it reduces the amount of code required to build large applications. It is complemented with a rich toolbox and designer in the Visual Studio integrated development environment. The implementation of website which is proposed for developing Smart Education is beneficial. (2010) ASP.NET is preferred for developing this website for several factors. It is purely server-side technology.

III. FUTURE WORK IMPLEMENTATION

Implementation is the completing, execution, or routine with regards to an arrangement, a technique, or any outline, thought, display, particular, standard or strategy for accomplishing something. All things considered; execution is the activity that must take after any preparatory reasoning with the end goal for a remark happen.

IV. METHODOLOGY

Learning is conventionally defined as the process of acquiring competence and understanding. It results in a new ability to do something, and an understanding of something that was previously not understood. Competence is sometimes described in terms of possessing specific skills, understanding in terms of possessing specific knowledge.

V. CONCLUSION

The eLearning system is one of the most important systems that help students to obtain and share the forms of assignments and tests among students and allow them to share their opinions and discuss these duties, which facilitates their learning process and increases their understanding of the subjects. The eLearning system is designed to accommodate future upgrading and development without the need for building a new system to fit with the growing needs and demands of the system. Having this system hosted online means the ability of both technicians and administrator to track and respond to demands of students at any time beyond the boundaries and walls of college which add one more advantage to.

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