Abstract

The Indian Education sector has seen a tremendous rise in the field of higher education which has led to the demand for the automation of education sector at all the levels in order to cater to the need of information of various stakeholders. Due to burst in the field of communication technology every one expects the access of relevant information; in fast, accurate and anytime any where manner. All the educational organizations like college, institutes including statutory bodies like AICTE, DTE etc are already moving individually towards the adoption of IT to bring transparency and control. There is a need to bring and tie all the information system through a common platform without losing the control over their individual IT system. The technological development in the abstraction and encapsulation of the IT resources has been successfully implemented with the help of cloud architecture. This technology not only caters to the various stakeholders; it also ensures the sharing, availability, security and reliability of information involved. It also provides all the benefits of outsourcing the IT maintenance services so as to concentrate only on the information and its presentation. This paper proposes a cloud based system architecture for the applications used in higher education in India that makes information transparent and easily accessible. It also shows how the existing structure of IT in education
can be adapted to make the information available between cloud based systems. This paper is organized into four main sections; firstly it gives the analysis of the existing IT system in education and its limitations, secondly it proposes a new architecture for the educational sector. Next it discusses the advantages of the proposed architecture and lastly it concludes the paper followed by the references.

References

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Index Terms

Computer Science

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Keywords