Abstract

Mobile College Portal stands for (MCportal) which serve as a student portal service platform using a mobile phone. Mobile devices are well known for the provision of messaging service, voice and data communication using online internet through the help of global wireless network service. It offers a service(s) over a portal through software using the internet to the student devices. The portal would allow online transaction for student activities anytime and anywhere. Latest mobile devices are context-aware using context and bundle of sensors inbuilt, and these devices are a significant part of daily life and best means of information transfer. This paper proposes ‘iConAmoc’; which is a conceptual framework for an intelligent context-aware mobile college portal. The system uses the ontology-based technique, multi-agent model to enhance the existing context-aware architecture and separates domain knowledge from operational experience. The system also helps to disseminate relevant information and service(s) to students with an event_notification feature using appropriate university context. Another added feature is that during an emergency, relevant information can also be disseminated quickly to
concerned students/staff. The ontology-based technique facilitates reuse and formalization of students'/staff context for knowledge construction and representation in an academic environment.

References

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Index Terms

Computer Science  Distributed Systems

Keywords