SDSU
presents
a thesis defense for
Master of Science
degree in
Computer Science

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Time: 1:00 pm
GMCS 405

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Cloud Based File System on Mobile Device

Abstract:

With continuous growth in mobile technology Mobile Devices are becoming replacement for laptops and Personal computers. There are thousands of Mobile Device applications that you can download to your Mobile Devices and each one of them uses memory space. Considering the high usability features of Mobile Devices there is a need to find solution for the limited storage of Mobile Devices. Presently, there are two existing ways to extend the memory storage of mobile Devices: using SD cards, Remote Access Applications. Although these existing ways helps to extend storage of Mobile Devices to some extent but there are some drawbacks associated with these ways like data is not reliable and very hard use user interface. "Cloud Based File System App" is proposed as a solution to extend limited storage of Mobile Devices with simple and easy to use user interfaces along with efficient data reliability. It allows user to configure his/her own laptop or personal computer as a Cloud Server. This app facilitates Mobile Devices with unlimited storage space of Cloud. User can access Cloud file i.e. Read/Open a file from cloud, Edit currently open file from mobile device and save that file back on Cloud anytime, anywhere from using their mobile devices assuming your laptop or personal computer is on the network and configured as a cloud server. Furthermore, anytime, anywhere access to Cloud files along with simple and easy to use interface promotes a way towards better learning for school, college students and decision making for corporate professionals.

Thesis Committee:

Joseph Lewis, Thesis Chair, Department of Computer Science
Carl Eckberg, Department of Computer Science
Fred Raafat, Department of Management Information Systems