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## Security issues, challenges and opportunities in mobile cloud computing

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The growth of the mobile applications with the evolving cloud computing concept since 2009 has become the potential technology that offers abundant mobile services. Mobile cloud computing has gained enormous popularity because of the associated popularity and high usage of mobile devices and wireless networks with computing. The integration of these two potential technologies has almost changed the communication world today in spite of the bounded obstacles encountered whenever they are in use. The integration of mobile and cloud computing can overcome problems such as restricted battery life, limited bandwidth, heterogeneity, scalability and security. Mobile cloud computing can dominate the world of computing if it can solve the security issues within the field and thus is entailed with high range of issues, challenges and the future prospects if security is a matter of concern. It is evident from the few works and reviews of existing systems that mobile cloud computing will be extremely useful in these areas if it can provide data security. This advancement in the research will transform many areas using mobile computing. For instance, the healthcare organizations can be developed further into a secure healthcare system thus enhancing the benefits of healthcare services to the possible extent. The work presented here highlights the security issues, challenges and future prospects that are associated with secure mobile cloud computing in order to help the people of interest in various organizations (Ex. healthcare organizations) whether to adopt mobile cloud computing technology and understand its benefits within the field.

### Biography

Currently working in Princess Nourah bint abdulrahman University I had been working in various capacities as Assistant and Associate Professors in reputed organizations like Muffakham jah College of Engineering and Technology(MJCET), Maulana Azad University(MANUU) and MCET since 1998 till date. I received B.E (CSE) from Osmania University in 1998 and then M. Tech (CSE) and Ph.D (CSE) from Jawaharlal Nehru Technological University. With a teaching experience of over 18 years I have been teaching courses like Mobile Computing, Computer Networks, Database management Systems, Logic Design, Computer Organization, Advanced Computer Architectures, Principles of Programming Languages, Programming in C, C++, Java, C#, Computer Graphics, Artificial Intelligence, Real time Systems, Multimedia Systems, OOPS at Graduate & Postgraduate levels. I have supervised projects both at under-graduate and post-graduate levels. My research interests include Mobile Cloud Computing and Security, Database Management Systems, Computer Networks.

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