Abstract

Technology has grown rapidly with scientific advancement over the world in recent decades. Therefore, there is a need to redesign the educational system to meet industrial needs better. The advent of computers with sophisticated software has made it possible to solve many complex problems very fast and at a lower cost. Almost all studies in various disciplines use computers to solve their problems. Making computers available to all users, particularly students, is difficult in developing countries. This is one of the major problems in educational institutions arising from budget constraints. Cloud computing is becoming an attractive technology due to its dynamic scalability and effective usage of the resources; it can be utilized
under circumstances where the availability of resources is limited. In this paper, two case studies are presented to know the power issues in Data Center and computer laboratories in educational institutions especially technical institutions. Attention is made to possible implementation of Cloud computing technology in the educational field, especially in engineering colleges where there is intensive use of computers and software.

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**Index Terms**

- Computer Science
- Green Computing

**Keywords**

- Cloud Computing
- Power Generation
- Power Management
- Energy Efficiency
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