

Project Title: Resource Management in Cloud Environment using CPU Utilization Control
Project No.: RG 044-10ICT
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Abstract:

The recent advances in virtualization technology, utility computing and Software as a Service (Saas) have led to the emergence of new trend of computing infrastructure namely Cloud Computing. Cloud Computing like Grid Computing needs to manage large group of resources effectively. However, the heterogeneity of resources remains a challenging issue in handling the growing number of applications in Cloud Computing. This research proposes a dynamic CPU utilization control mechanism that provides effective resources management in Cloud environment. The mechanism is believed to be able to maximize resources utilization.