

LIST OF FIGURES

Figure No.	Title	Page No.
1.1	Cloud Computing Paradigm	1
1.2	Design Paradigm of Dynamic Data Processing in Structural Overview of Nephele	6
1.3	System Model for Cloud Computing Services	10
1.4	System Architecture of Cloud with Cluster Manager	12
1.5	Verification Architecture for Data Integrity in Hybrid Clouds	16
1.6	Overview of Multi-objective QoS Optimization Based Workflow Scheduling	20
3.1	Reference Model of Cloud Computing	81
3.2	Architecture of Resource Allocation Using IARA Technique in Cloud Environment	84
3.3	Architecture of the Resource Allocation Model	88
3.4	Measure of Resource Allocation Efficiency	98
3.5	No. of Virtual Machine vs Evaluation Time	100
3.6	Measure of Energy Utilization Rate	102
4.1	Architecture of Energy-efficient Cloud Computing Environment with High Bandwidth Using ALB Approach	112
4.2	Conceptual View of Load Balancing Using Clustering	117
4.3	Energy Consumption Measure	123
4.4	Bandwidth Utilization Measure	125
4.5	Performance Tradeoff Measure	127
4.6	Measure of Response Time	128
5.1	Conceptual View of Multi-tasking in Cloud with Virtual Cluster Resource Allocation	135
5.2	Architecture of Efficient User Communication Cloud Using GCWM Scheduler Scheme	138

Figure No.	Title	Page No.
5.3	Client Multi-task Representation in Cloud	140
5.4	Clustering Operation in GCWM Scheduler Scheme	144
5.5	Measure of Throughput	149
5.6	Workload Management Efficiency Measure	151
5.7	Average Relative Cost Measure	153
6.1	Measure of Interoperability	161
6.2	Measure of Scalability	163
6.3	Measure of Computational Cost	165
6.4	Measure of Load Balance Factor	169
6.5	Clustering Efficiency Measure	171
6.6	Measure of Computational Cost	173
6.7	Generic Based Cloud Services Measure	177
6.8	Measure of Multi-Task Clustering Effect	179
6.9	Measure of Computational Cost	181
6.10	Measure of Computational Complexity	183