



Cloud Computing

BCA-EC

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Course layout

Unit 1: Introduction to Cloud Computing

Unit 2: Cloud Computing Architecture

Unit 3: Service Management in Cloud Computing

Unit 4: Data Management in Cloud Computing

Unit 5: Resource Management in Cloud

Unit 6: Cloud Security

Unit 7: Open Source and Commercial Clouds, Cloud Simulator

Unit 8: Research trend in Cloud Computing, Fog Computing

Unit 9: VM Resource Allocation, Management and Monitoring

Unit 10: Cloud-Fog-Edge enabled Analytics

Unit 11: Serverless Computing and FaaS Model

Unit 12: Case Studies and Recent Advancements

Books and references

1. Cloud Computing: Principles and Paradigms, Editors: Rajkumar Buyya, James Broberg, Andrzej M. Goscinski, Wiley, 2011
2. Enterprise Cloud Computing - Technology, Architecture, Applications, Gautam Shroff, Cambridge University Press, 2010
3. Cloud Computing Bible, Barrie Sosinsky, Wiley-India, 2010
4. Cloud Security: A Comprehensive Guide to Secure Cloud Computing, Ronald L. Krutz, Russell Dean Vines, Wiley- India, 2010