

Course Code: BCACT-508	Course Title: Cloud Web Services	L T P C 0 0 2 1
Prerequisites: None		
Course Objectives: <ol style="list-style-type: none"> 1. Introducing cloud computing and Amazon web services. 2. Understanding and using EC2 instances. 3. Deploying and managing applications on AWS cloud. 4. Using AWS security services. 5. Implementing the networking concepts on AWS cloud 		
<ol style="list-style-type: none"> 1. Introduction to Amazon Simple Storage Service (S3) 2. Introduction to Amazon Cloud Front 3. Introduction to AWS Key Management Service 4. Introduction to Amazon Elastic search Service 5. Introduction to Amazon Dynamo DB 6. Introduction to Amazon API Gateway 7. Introduction to Amazon Redshift 8. Introduction to Amazon Aurora 9. Introduction to Amazon Machine Learning 10. Introduction to AWS Database Migration Service 11. Introduction to AWS Lambda 12. Introduction to AWS Internet-of-Things (IoT) 13. Introduction to AWS Device Farm 14. Introduction to Amazon Kinesis Firehose 15. Introduction to Amazon Route 53 16. Introduction to Amazon Elastic File System (EFS) 		
TEXTBOOKS: <ol style="list-style-type: none"> 1. Joe Baron, HishamBaz , Tim Bixler , Biff Gaut , Kevin E. Kelly , Sean Senior , John Stamper , “AWS Certified Solutions Architect Official Study Guide: Associate Exam, John Wiley and Sons Publications, 2017. 		
REFERENCES BOOKS: <ol style="list-style-type: none"> 1. YohanWadia , “AWS Certified Solutions Architect Official Study Guide: Associate Exam, John Packt Publishing, 2016 2. Bernald Golden, “Amazon Web Services for Dummies”, John Wiley & Sons, 2013 		
Expected Course Outcomes: After completion of the course the student will be able: <p>CO1: To gain fundamental understanding of AWS cloud technologies</p> <p>CO2: Be able to start a Windows or Linux server in the cloud with its own private address</p> <p>CO3: Be able to start up a CRM / Word Press / etc. website hosted in cloud</p> <p>CO4: Be able to start a highly scalable MySQL or Oracle database in the cloud with multiple read-replica databases (for scalability of database)</p> <p>CO5: Be able to setup a load-balancer in the cloud.</p>		