

ICT365 AWS Certified Developer – Associate

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

Synopsis:

ICT365 AWS Certified Developer – Associate is designed to help students gain technical expertise in development using cloud technologies. In this course, students will be trained to apply AWS cloud services and build secure applications and solutions. The curriculum is delivered through instructor-led classes, knowledge assessments, and hands-on labs. This course will prepare students to take the AWS Certified Developer – Associate level AWS Certification exam.

Topics:

- Introduction to Developing on AWS
- AWS Identity and Access Management (IAM)
- Storage Solutions with Amazon S3
- Flexible NoSQL Solutions with Amazon DynamoDB
- Caching with Amazon CloudFront and Amazon ElastiCache
- Introduction to Containers
- Solutions with Amazon SQS and Amazon SNS
- Event-Driven Solutions with AWS Lambda
- Solutions with Amazon API Gateway
- Solutions with AWS Step Functions
- Secure Applications on AWS
- Deploying Applications on AWS

Learning Outcome:

- Explain cloud computing services, models and caching
- Demonstrate developing on AWS and the use of Step Functions
- Indicate best practice for building secure applications and deploying applications
- Analyze and configure AWS Identity and Access Management (IAM), storage with Amazon S3, containers, and solutions with API Gateway
- Develop event-driven solutions with Lambda, and solutions with SQS and SNS
- Formulate solutions with DynamoDB

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Examinable Components	Online Exam	100
Total		100

