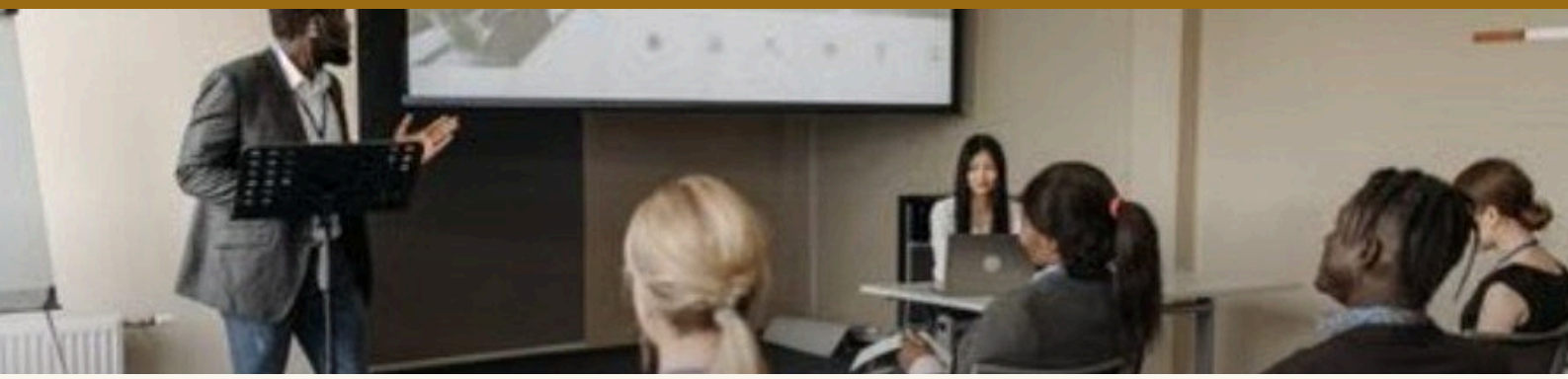


SEYA CAPITAL
INSIGHT.STRATEGY.GROWTH

INFORMATION & COMMUNICATION TECHNOLOGY

AI and Cloud Computing Integration (ICT Cloud Systems) Professional Certificate

Leveraging Artificial Intelligence and Cloud Technologies for Intelligent, Scalable and Secure Digital Infrastructure

SECTOR	FORMATS	FEE FROM	2027 SESSIONS
Information & Communication Technology	5 days & 2 weeks	US$ 2,100	3

OVERVIEW

About this course

Artificial Intelligence (AI) and Cloud Computing are among the most transformative technologies driving digital innovation, organisational agility, and operational efficiency across both public and private sectors. Cloud platforms provide the scalable infrastructure required to support AI applications, while AI enhances cloud systems through automation, predictive analytics, intelligent monitoring, cybersecurity, and data-driven decision-making.

The Seya Capital AI and Cloud Computing Integration (ICT Cloud Systems) Professional Certificate Programme equips ICT professionals with the knowledge, strategies, tools, and practical skills required to integrate AI capabilities into cloud-based environments. The programme covers cloud computing fundamentals, AI-enabled cloud services, cloud architecture, intelligent automation, data analytics, cybersecurity, cloud governance, machine learning services, and emerging trends in AI-powered cloud ecosystems.

Participants will gain practical insights into designing, deploying, securing, and managing intelligent cloud systems capable of supporting modern digital transformation initiatives.

2027 SCHEDULE

Dates, venues & fees

DATES	VENUE	FORMAT	FEE PER DELEGATE
25 – 29 Jan 2027	Singapore	5 days	**US$ 3,700**
1 – 12 Feb 2027	Dar es Salaam, Tanzania	2 weeks	**US$ 3,780**
8 – 12 Feb 2027	Dar es Salaam, Tanzania	5 days	**US$ 2,100**

Fees exclude travel and accommodation. This course is also available in-house, on dates and at a venue of your choice.

HIGHLIGHTS

What you will learn

- Fundamentals of Artificial Intelligence and Cloud Computing
- Cloud architecture and deployment models
- AI-powered cloud services and platforms
- Intelligent automation and cloud operations
- Machine learning in cloud environments
- Cloud data management and analytics
- AI-enabled cybersecurity and threat detection
- Cloud governance and compliance frameworks
- Cloud-native application development concepts
- AI-enhanced cloud monitoring and optimisation
- Hybrid and multi-cloud integration strategies
- Emerging AI and cloud technologies
- Participants will explore practical applications including:
- Cloud Infrastructure Planning
- AI Service Deployment
- Machine Learning Model Integration
- Cloud Security Configuration
- Cloud Analytics and Dashboard Development
- Intelligent Process Automation
- AI-Powered Monitoring Solutions
- Cloud Governance Framework Design
- Hybrid Cloud Implementation Planning
- Multi-Cloud Management Strategies
- Digital Transformation Roadmap Development
- Enterprise Cloud Migration Planning
- AI-Powered Cloud Operations
- Intelligent cloud management
- Predictive infrastructure monitoring
- Automated incident detection
- Self-healing cloud environments
- Cloud Data Analytics and Machine Learning
- Cloud-based analytics platforms
- Machine learning deployment models
- Data visualisation and reporting
- Predictive analytics applications
- Cloud Security and Governance
- Cloud security architectures
- AI-enabled threat intelligence
- Governance and compliance frameworks
- Risk and resilience management
- Enterprise AI and Cloud Transformation
- Digital transformation strategies
- Enterprise cloud adoption frameworks
- Innovation and technology roadmaps

- Organisational AI readiness and maturity

OBJECTIVES

By the end of the course

By the end of this programme, participants will be able to:

- Understand the relationship between AI and cloud computing technologies.
- Design cloud-based architectures that support AI workloads.
- Deploy and manage AI-enabled cloud services.
- Apply machine learning and analytics within cloud environments.
- Implement intelligent automation in cloud operations.
- Strengthen cloud security using AI-powered tools and techniques.
- Apply governance and compliance principles in cloud environments.
- Optimise cloud performance through predictive analytics.
- Evaluate emerging trends in AI-driven cloud platforms.
- Support digital transformation initiatives through intelligent cloud solutions.

WHO SHOULD ATTEND

Designed for

Cloud Architects | Cloud Administrators | ICT Managers | Systems Administrators | Infrastructure Engineers | Network Engineers | ICT Security Professionals | Enterprise Architects | Digital Transformation Specialists | Data and Analytics Professionals | Technology Consultants | Project Managers involved in ICT transformation initiatives | Government ICT Professionals | Individuals pursuing careers in cloud technologies and AI

PROGRAMME

Course outline

Day 1: Foundations of Artificial Intelligence and Cloud Computing

- Introduction to Artificial Intelligence
- Fundamentals of Cloud Computing
- Cloud Service Models (IaaS, PaaS and SaaS)
- Cloud Deployment Models
- AI and Cloud Technology Convergence
- Cloud Ecosystem and Service Providers
- Digital Transformation through AI and Cloud Technologies

Day 2: Cloud Architecture and AI Services

- Cloud Infrastructure Design Principles
- Cloud-Native Architecture Concepts
- AI Services in Cloud Platforms
- Machine Learning as a Service (MLaaS)
- AI APIs and Intelligent Services
- Storage and Compute Optimisation
- Cloud Integration Strategies

Day 3: Data, Analytics and Intelligent Automation

- Cloud Data Management Fundamentals
- Big Data and Cloud Analytics
- Business Intelligence in Cloud Environments
- Predictive Analytics and AI Applications
- Intelligent Automation and Robotic Process Automation (RPA)
- AI-Driven Decision Support Systems
- Real-Time Data Processing

Day 4: Cloud Security, Governance and Compliance

- Cloud Security Fundamentals
- AI-Powered Cybersecurity Solutions
- Identity and Access Management
- Data Privacy and Protection Requirements
- Cloud Governance Frameworks
- Risk Management in Cloud Environments
- Regulatory Compliance Considerations

Day 5: Cloud Optimisation, Emerging Technologies and Capstone Project

- AI-Driven Cloud Monitoring and Operations
- Performance Optimisation Techniques
- Hybrid and Multi-Cloud Environments
- Edge Computing and Intelligent Systems
- Future Trends in AI and Cloud Technologies
- Building Enterprise AI-Cloud Strategies
- Capstone AI and Cloud Integration Project

METHODOLOGY

How you will learn

This highly interactive programme combines:

- Expert-led presentations
- Cloud platform demonstrations
- AI and cloud integration workshops
- Hands-on cloud architecture exercises
- Cybersecurity simulations
- Cloud governance and compliance workshops
- Machine learning application demonstrations
- Case study analysis and discussions
- Group learning and practical exercises
- Capstone AI-cloud integration project

Participants will gain practical exposure to cloud platforms and AI-enabled technologies used in modern ICT environments.

IMPACT

The return on learning

For your organisation

- Accelerate cloud adoption initiatives
- Improve operational efficiency through automation
- Strengthen ICT infrastructure scalability and resilience
- Improve organisational decision-making through analytics
- Enhance cybersecurity and threat management capabilities
- Reduce operational costs through cloud optimisation
- Improve business continuity and disaster recovery capabilities
- Support digital innovation and transformation goals
- Strengthen data management and governance practices
- Build future-ready cloud and AI competencies

For you

- Develop expertise in cloud computing and AI integration
- Strengthen skills in cloud architecture and management
- Improve knowledge of machine learning services in cloud platforms
- Gain practical understanding of intelligent automation technologies
- Enhance cloud security and governance capabilities
- Improve professional competitiveness in ICT careers
- Strengthen strategic technology planning skills
- Build competencies required for modern digital infrastructure roles

CERTIFICATION

Seya Capital certificate

Upon successful completion of the programme, participants will be awarded the prestigious:

Seya Capital Professional Certificate in AI and Cloud Computing Integration (ICT Cloud Systems)

Recognising professional competence in cloud computing, artificial intelligence integration, intelligent automation, machine learning services, cloud architecture, cloud security, governance and compliance, cloud analytics, digital transformation, and the design and management of intelligent cloud-based technology ecosystems.

Register or enquire: info@seyacapital.com · www.seyacapital.com