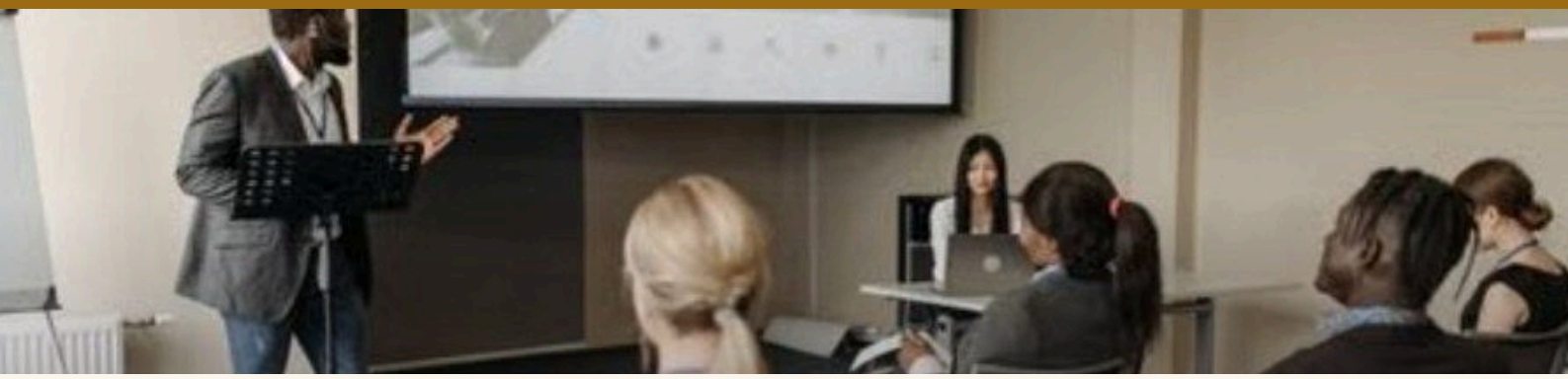


SEYA CAPITAL
INSIGHT.STRATEGY.GROWTH

INFORMATION & COMMUNICATION TECHNOLOGY

Mobile Application Development Professional Certificate Programme

Designing, Developing & Deploying Innovative Mobile Applications for the Digital Economy

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

OVERVIEW

About this course

Mobile applications have transformed the way organisations interact with customers, deliver services, conduct business operations, and drive digital innovation. From banking and healthcare to e-commerce, education, logistics, and government services, mobile applications have become a critical component of modern digital transformation strategies.

The Seya Capital Mobile Application Development Professional Certificate Programme equips participants with the knowledge, methodologies, tools, and practical skills required to design, develop, test, secure, deploy, and maintain mobile applications for Android, iOS, and cross-platform environments.

The programme combines software development principles, user experience design, mobile application architecture, database integration, cloud services, security, testing, and deployment best practices to enable participants to create high-quality, scalable, and user-friendly mobile solutions.

2027 SCHEDULE

Dates, venues & fees

DATES	VENUE	FORMAT	FEE PER DELEGATE
9 – 13 Aug 2027	Nairobi, Kenya	5 days	**US$ 2,100**
16 – 27 Aug 2027	Arusha, Tanzania	2 weeks	**US$ 3,780**
23 – 27 Aug 2027	Arusha, 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

- Mobile application development fundamentals
- Mobile application architecture and design principles
- Android and iOS application development concepts
- Cross-platform mobile application development
- User Interface (UI) and User Experience (UX) design
- Mobile databases and data management
- API integration and cloud connectivity
- Mobile security and secure coding practices
- Mobile application testing and debugging
- Mobile DevOps and deployment processes
- App store publishing and lifecycle management
- Emerging mobile technologies and innovation
- Participants will explore practical applications including:
- Mobile Application Design and Prototyping
- Mobile Database Development
- API and Cloud Service Integration
- Android and Cross-Platform Application Development
- User Authentication Implementation
- Mobile Security Configuration
- Application Testing and Quality Assurance
- User Experience Optimisation
- Mobile Commerce Applications
- Customer Service Mobile Solutions
- Mobile Business Process Automation
- App Deployment and Publishing
- Android Application Development
- Focuses on Android architecture, application development, deployment, and maintenance.
- Cross-Platform Mobile Development
- Focuses on frameworks such as Flutter, React Native, and hybrid application development approaches.
- Enterprise Mobile Solutions
- Focuses on business applications, API integrations, cloud connectivity, and organisational mobility solutions.
- Mobile Security and Application Protection
- Focuses on secure coding, threat mitigation, authentication, and mobile security governance.
- Mobile UI/UX Design
- Focuses on user-centred design, interactive experiences, accessibility, and digital product design.

OBJECTIVES

By the end of the course

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

- Understand mobile application development methodologies and frameworks.
- Design user-friendly and responsive mobile applications.
- Develop mobile applications using modern development tools and technologies.
- Integrate applications with databases, APIs, and cloud services.
- Implement mobile security controls and secure coding practices.
- Test, debug, and optimise mobile application performance.
- Manage application deployment and maintenance activities.
- Apply UX/UI principles to improve user engagement.
- Support organisational mobile transformation initiatives.
- Develop commercially viable mobile applications.

WHO SHOULD ATTEND

Designed for

Software Developers | Mobile Application Developers | ICT Professionals | Computer Science Graduates | Systems Developers | Web Developers | Entrepreneurs and Start-up Founders | Technology Consultants | Digital Product Managers | Innovation and Technology Teams | Business Application Developers | Students and Graduates interested in software development | Digital Transformation Professionals | Individuals seeking careers in mobile application development

PROGRAMME

Course outline

Day 1: Introduction to Mobile Application Development

- Overview of Mobile Technologies
- Mobile Operating Systems and Platforms
- Mobile Application Development Lifecycle
- Mobile Architecture and Design Patterns
- Development Environments and Tools
- Introduction to Android and iOS Ecosystems
- Mobile Development Best Practices

Day 2: User Experience (UX) and User Interface (UI) Design

- Principles of Mobile UX Design
- Mobile User Interface Components
- Designing Responsive Applications
- Wireframing and Prototyping
- User-Centred Design Approaches
- Accessibility and Usability Standards
- Mobile Design Guidelines

Day 3: Application Development and Data Management

- Programming Fundamentals for Mobile Applications
- Mobile Application Components
- Mobile Database Integration
- Data Storage Techniques
- API Integration and Web Services
- Cloud Connectivity and Mobile Backends
- Managing Data Synchronisation

Day 4: Mobile Security, Testing and Optimisation

- Mobile Security Threat Landscape
- Secure Coding Practices
- Authentication and Authorisation
- Data Protection and Encryption
- Mobile Application Testing Strategies
- Debugging and Troubleshooting Techniques
- Performance Optimisation

Day 5: Deployment, Maintenance and Emerging Technologies

- Mobile Application Deployment Processes
- Application Publishing and Distribution
- Application Maintenance and Updates
- DevOps for Mobile Applications
- Mobile Analytics and Monitoring
- Emerging Trends in Mobile Development
- Capstone Mobile Application Development Project

METHODOLOGY

How you will learn

This highly interactive programme combines:

- Expert-led presentations
- Hands-on development laboratories
- Mobile design workshops
- Coding and application development exercises
- User experience design sessions
- Mobile security simulations
- Application testing and debugging workshops
- Real-world application case studies
- Group discussions and collaborative learning

- Capstone mobile application development project

Participants will gain practical experience building and deploying mobile applications that solve real-world business and consumer challenges.

IMPACT

The return on learning

For your organisation

- Improve digital service delivery capabilities
- Accelerate mobile transformation initiatives
- Enhance customer experience and engagement
- Strengthen in-house application development capacity
- Support innovation and digital product development
- Improve business process automation through mobile solutions
- Strengthen cybersecurity within mobile environments
- Reduce development costs through internal expertise
- Improve operational efficiency and accessibility
- Gain competitive advantage through mobile innovation

For you

- Develop professional mobile application development skills
- Strengthen software development and programming capabilities
- Gain practical experience in mobile technologies
- Improve UI/UX design competencies
- Enhance problem-solving and analytical abilities
- Build innovative mobile solutions and digital products
- Improve career opportunities in software development and mobile technologies
- Develop skills required for freelance and entrepreneurial ventures

CERTIFICATION

Seya Capital certificate

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

Seya Capital Professional Certificate in Mobile Application Development

Recognising professional competence in mobile application design, mobile software development, UI/UX design, mobile database integration, cloud connectivity, mobile security, application testing, deployment management, enterprise mobility solutions, and digital product innovation.

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