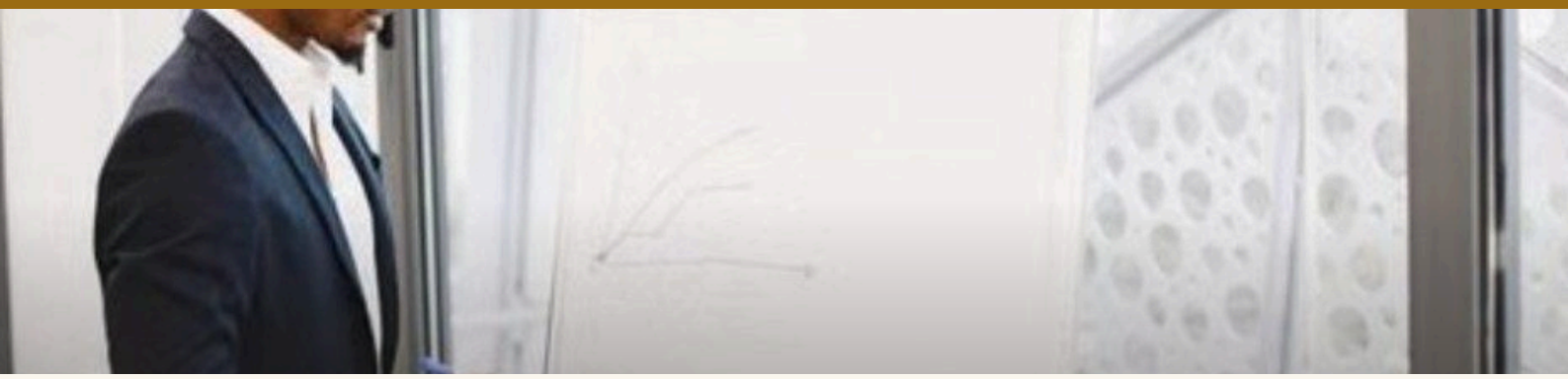


SEYA CAPITAL
INSIGHT.STRATEGY.GROWTH

AGRIBUSINESS DEVELOPMENT

Smart Agriculture: Agritech, AI & Smart Farming Transformation

Modernising Agriculture through Digital Innovation and Intelligent Farming Systems

SECTOR	AVAILABILITY	DELIVERY
Agribusiness Development	On request	Open or in-house

OVERVIEW

About this course

This Seya Capital Smart Agriculture: AgriTech, AI & Smart Farming Transformation training course equips working professionals with the advanced knowledge and practical understanding required to modernise agricultural operations through digital innovation, artificial intelligence, and smart farming technologies. The course focuses on how AgriTech solutions, AI-driven systems, automation, and data analytics are transforming agricultural productivity, sustainability, and operational efficiency. Participants will gain practical insight into precision agriculture, IoT-enabled farming systems, AI-supported decision-making, smart irrigation, drone technologies, and digital farm management tools that support resilient and future-ready agricultural systems.

The course also addresses the growing challenges facing the agricultural sector, including climate variability, resource scarcity, food security pressures, labour shortages, and the need for sustainable production models. Participants will explore how smart farming technologies can improve crop monitoring, optimise resource utilisation, reduce operational waste, and enhance agricultural decision-making. Emphasis is placed on aligning technology adoption with sustainability objectives, operational performance, and long-term agricultural resilience. With strong real-world relevance, the course enables professionals to lead agricultural transformation initiatives, strengthen digital capability, and support intelligent, data-driven farming ecosystems.

SCHEDULE

Dates, venues & fees

Dates and fees for this programme are available on request. It can be scheduled as open enrolment or delivered in-house for your team. Contact info@seyacapital.com.

HIGHLIGHTS

What you will learn

- AgriTech innovation and digital transformation in agriculture
- AI applications for precision farming and operational optimisation
- Smart farming technologies and IoT-enabled agricultural systems
- Sustainable resource management and climate-smart agriculture
- Data-driven agricultural decision-making and automation strategies

OBJECTIVES

By the end of the course

By the end of this training course, you will learn to:

- Evaluate AgriTech and AI solutions for agricultural operations
- Apply smart farming technologies to improve productivity and efficiency
- Analyse agricultural data to support informed decision-making
- Implement sustainable and climate-smart farming strategies
- Support digital transformation initiatives across agricultural systems

WHO SHOULD ATTEND

Designed for

This Seya Capital training course is designed for professionals involved in agricultural development, technology adoption, and sustainable farming operations, including:

- Agricultural development and farm management professionals
- AgriTech and digital transformation specialists
- Sustainability and environmental professionals
- Agricultural engineers and technical specialists
- Government and food security officials
- Agribusiness and agricultural investment professionals

PROGRAMME

Course outline

Day 1: Foundations of Smart Agriculture and AgriTech

- Evolution of smart agriculture and digital farming
- Key drivers of agricultural transformation
- Introduction to AgriTech ecosystems and innovation trends
- The role of AI, IoT, and automation in agriculture
- Challenges and opportunities in smart farming adoption
- Building digital transformation strategies for agriculture

Day 2: AI Applications and Precision Farming

- AI-driven decision-making in agricultural operations
- Precision agriculture principles and technologies
- Smart crop monitoring and yield optimisation systems
- Predictive analytics for farming and production planning
- AI-supported pest, disease, and soil management
- Data collection and agricultural performance analysis

Day 3: Smart Farming Technologies and Automation

- IoT-enabled farming systems and connected devices
- Smart irrigation and water management technologies
- Drone applications in agriculture and field monitoring
- Robotics and automation in farming operations
- Farm management systems and digital platforms
- Improving operational efficiency through automation

Day 4: Sustainability and Climate-Smart Agriculture

- Sustainable agriculture and resource optimisation principles
- Climate-smart farming practices and resilience planning
- Reducing environmental impact through technology
- Energy efficiency and sustainable agricultural operations
- Food security and future agricultural sustainability challenges
- ESG considerations in agricultural transformation

Day 5: Future Farming Systems and Strategic Implementation

- Emerging technologies shaping future agriculture
- Digital agriculture investment and scalability considerations
- Governance, cybersecurity, and data protection in farming systems
- Integrating smart agriculture into organisational strategy
- Managing change and workforce adaptation in agriculture
- Action planning for smart farming transformation excellence

METHODOLOGY

How you will learn

This training course uses a structured and practical learning methodology that combines smart agriculture frameworks, AI applications, digital farming technologies, and applied agricultural scenarios. Participants will examine precision farming systems, automation models, IoT applications, and data analytics approaches relevant to modern agricultural environments. Emphasis is placed on strengthening analytical capability, improving operational decision-making, and enabling participants to implement innovative farming solutions effectively.

IMPACT

The return on learning

For your organisation

- Improve agricultural productivity and operational efficiency
- Strengthen sustainability and resource management practices
- Enhance data-driven agricultural planning and monitoring
- Reduce operational waste and optimise input utilisation
- Support climate resilience and food security objectives
- Accelerate digital transformation across agricultural operations

For you

- Advanced understanding of smart agriculture and AgriTech systems
- Strong capability in AI-supported agricultural decision-making
- Improved knowledge of digital farming technologies and automation
- Confidence in evaluating and implementing smart farming solutions
- Enhanced analytical and problem-solving skills in agriculture
- Greater professional credibility in agricultural innovation and technology roles

CERTIFICATION

Seya Capital certificate

Upon successful completion of this training course, a Seya Capital Certificate will be awarded to delegates.

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Register or enquire

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