

Agri-Tech Innovations: Processing, Value Addition, and Export Competitiveness

COURSE OVERVIEW

This functional course describes how emerging technologies are transforming the agribusiness landscape, from farm production to global markets. The curriculum elaborates on how AI, IoT, blockchain, and data analytics are reshaping traceability, efficiency, and market access, ensuring that agricultural products meet international standards and consumer expectations. Participants will learn how digital innovation, automation, and advanced processing techniques are enabling higher value agricultural products, reducing post-harvest losses, and enhancing export competitiveness. Through practical examples and policy insights, participants will develop a complete understanding of the intersection between technology, agribusiness strategy, and global trade.

WHO SHOULD ATTEND?

This course is designed for agribusiness professionals, entrepreneurs and startup founders in agri-tech, policy makers, trade officers, R&D specialists, agricultural engineers, supply chain and logistics managers, development partners, NGOs, and cooperatives supporting value chain transformation. It is equally valuable for academics and student in agricultural economics, financial institutions, investors, and consultants involved in agri-value chain financing.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Identify key technologies driving value addition and processing efficiency.
- Design and implement technology-based strategies for post-harvest handling and storage.
- Integrate digital platforms to streamline supply chains and export documentation.
- Understand global standards, certifications, and compliance requirements for agri-exports.
- Build business models that leverage Agri-Tech for sustainable growth and export readiness.
- Analyze policies and frameworks supporting technology adoption in agribusiness.
- Develop strategic plans for scaling processing and export ventures using innovation.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- How emerging Agri-Tech solutions including automation, IoT, and AI optimize processing and value chains.
- Digital traceability and blockchain systems that enhance product integrity and export credibility.
- How to leverage data analytics for market research, product design, and export forecasting.
- The role of smart logistics and cold-chain systems in maintaining product quality and compliance.
- Financing and investment strategies for technology-driven agri-processing ventures.
- Policy frameworks and trade agreements that influence agricultural exports.
- Case studies of successful Agri-Tech driven export businesses demonstrating innovation-led competitiveness.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate.
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded.