

## **Field of Study: BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

### **Abstract**

This presentation explores the revolutionary role of blockchain technology in modern supply chain management an innovation at the heart of Information Technology. By providing an immutable, decentralized, and transparent digital ledger, blockchain enables real-time tracking of goods from origin to consumer, significantly reducing fraud, delays, and inefficiencies. Global leaders like Walmart, Maersk, and Nestlé have already adopted blockchain to enhance food safety, ethical sourcing, and logistics coordination. This talk examines the technical foundations, business benefits, implementation challenges, and future potential of blockchain in creating more resilient, ethical, and efficient global supply networks.