

# **WORK-STUDY DIPLOMA IN LOGISTICS & SUPPLY CHAIN MANAGEMENT**

## **Course Objective**

This course equips trainees with the skills, knowledge and professional attributes to manage warehousing, transportation and distribution, procurement, leverage on data analytics and technology to provide green and sustainable logistical solutions, and execute process optimisation at the workplace.

## **Module Objectives**

### **Module 1: Warehouse Management in Supply Chain**

On completion of the module, trainees should be able to apply the conceptual framework of warehouse management in planning daily warehouse activities, manage costing, be aware of the legislation on health and safety and implement quality customer service. Trainees should also be able to apply updated technology in various warehousing functional areas.

### **Module 2: Inventory Management**

On completion of the module, trainees should be able to apply inventory management concepts used by organisations to achieve inventory cost optimisation and continuous improvement processes.

### **Module 3: Freight & Distribution Management**

On completion of the module, trainees should be equipped with the knowledge to manage, plan and schedule shipments in both the traditional and urban environments. Trainees should also be able to deploy technologies in transport and distribution to optimise operations.

### **Module 4: Cold Chain Logistics**

On completion of the module, trainees should be able to research and apply cold chain logistics technology. Trainees should also be able to manage cold chain logistics for food and beverage, medical/ pharmaceutical goods and sensitive items.

### **Module 5: Procurement & Supply Management**

On completion of the module, trainees should be equipped with knowledge and practices in procurement and supply management. Trainees should also be able to conduct risk assessments in purchasing processes and manage supplier relationships.

### **Module 6: Smart Supply Chain & Innovation**

On completion of the module, trainees should be able to cite technological applications in supply chain and recognise the impact of technology on supply chain management. Trainees should also be able to provide recommendations to improve the logistical processes through innovation and applications of technologies.

### **Module 7: Sustainability in Supply Chain Management**

On completion of the module, trainees should be equipped with the fundamental concepts of sustainable supply chain to manage and promote green initiatives and programmes at the workplace. Trainees should also be able to organise and execute various activities to measure, control, improve and deploy assessment tools to benchmark organisational sustainable supply chain performance.

### **Module 8: Leadership & Team Management**

On completion of the module, trainees should be equipped with manpower planning know-how, facilitate the development of operational policy planning, lead and review team performance and group dynamics.

### **Module 9: Company Project**

On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.

### **Module 10: On-the-Job Training**

On completion of the module, trainees should be able to apply the skills and knowledge acquired at ITE College and workplace to take on the full job scope, including supervisory function, where appropriate, at the company.