ⓔ EDUCBA

Production & Operations: Apply, Analyze & Optimize

ⓔ Instructor: **EDUCBA**

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5 modules
Gain insight into a topic and learn the fundamentals.

1 week to complete
at 10 hours a week

Flexible schedule
Learn at your own pace

What you'll learn

✓ Apply MRP, PERT, and CPM in production planning.

✓ Evaluate inventory, scheduling, and quality models.

✓ Optimize operations using TQM, JIT, and Lean tools.

Skills you'll gain

| Scheduling | Operations Management | Inventory Control | Production Process | Lean Manufacturing | Quality Management | Quality Control | Production Planning |

| Process Analysis | Production Schedule | **View all skills** |

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19 assignments

🗒 **Taught in English**

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There are 5 modules in this course

By the end of this course, learners will be able to define core production concepts, differentiate product and process types, apply inventory and scheduling models, analyze break-even decisions, evaluate project management tools, and optimize quality and lean practices.

This comprehensive program equips learners with practical skills to manage the end-to-end production and operations cycle. From understanding job, batch, and flow production systems to applying advanced tools like Material Requirements Planning (MRP), PERT, and CPM, participants gain hands-on knowledge to solve real-world

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industry models. Learners will benefit by developing critical analytical and problem-solving skills, preparing them to excel in manufacturing, supply chain, and operations management roles across industries.

Read less

Foundations of Production & Operations
Module 1 • 3 hours to complete

Managing Resources & Materials
Module 2 • 2 hours to complete

Scheduling & Decision Making
Module 3 • 2 hours to complete

Project & Process Management
Module 4 • 2 hours to complete

Quality, Lean & Future of Operations
Module 5 • 1 hour to complete

Instructor

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⌄ **When will I have access to the lectures and assignments?**

⌄ **What will I get if I purchase the Certificate?**

⌄ **Is financial aid available?**

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Financial aid available, learn more

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