

Gaining access to 10,000+ programs for ₹7,999 is a holiday treat. [Save now.](#)



# Digital Manufacturing: Introduction and Smart Design

This course is part of [Digital Technology in Manufacturing Specialization](#)



Instructor: [Subject Matter Expert](#)

Enroll for free

Starts Nov 21

2,694 already enrolled

Included with [Coursera PLUS](#) • [Learn more](#)

## 3 modules

Gain insight into a topic and learn the fundamentals.

4.6 ★

(10 reviews)

## Intermediate level

Recommended experience ⓘ

8 hours to complete

## Flexible schedule

Learn at your own pace

## Skills you'll gain

Manufacturing Processes

Cloud Computing

Product Lifecycle Management

Geometric Dimensioning And Tolerancing

Simulation and Simulation Software

Industrial Engineering

Digital Transformation

Engineering Analysis

Network Infrastructure

Finite Element Methods

Real Time Data

Internet Of Things

Computer-Aided Design

Enroll for free  
Starts Nov 21



**Shareable certificate**

Add to your LinkedIn profile



**Assessments**

3 assignments

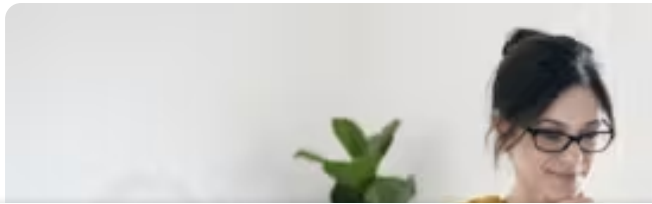


**Taught in English**

## See how employees at top companies are mastering in-demand skills

[Learn more about Coursera for Business](#)





Module 2 • 2 hours to complete

"Industry 4.0 revolutionizes manufacturing through digital integration, marking the fourth industrial revolution with smart, interconnected systems. Key components include



Join for Free

processes, advancing towards intelligent, flexible manufacturing systems.

### What's included

 18 videos    1 assignment

Show info about module content ▾

## Technology for Smart Design and Manufacturing

Module details ^

Module 3 • 2 hours to complete

"Smart Design and Manufacturing Technology revolutionize Digital Manufacturing, integrating CAD/CAM for efficient design-to-production processes. Computer-Aided Geometric Modelling Systems enable intricate shapes, while simulation tools like Finite Element Analysis ensure performance and safety standards. Automation enhances efficiency and accuracy, shaping a connected, precise future in manufacturing."

### What's included

 17 videos    1 assignment

Show info about module content ▾



### Earn a career certificate

Add this credential to your LinkedIn profile, resume, or CV. Share it on social media and in your performance review.

## Instructor

Subject Matter Expert

## Offered by



**L&T EduTech**

[Learn more](#)

## Explore more from Mechanical Engineering

Related

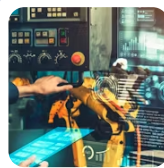
Degrees



L&T EduTech

**Industry 4.0: PLM, Value Chain,  
and Smart Factory**

Course



L&T EduTech

**CPS solution for Industries**

Course

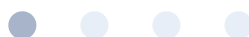
## Why people choose Coursera for their career



**Felipe M.**

Learner since 2018

"To be able to take courses at my own pace and rhythm has been an amazing experience. I can learn whenever it fits my schedule and mood."



**coursera** PLUS

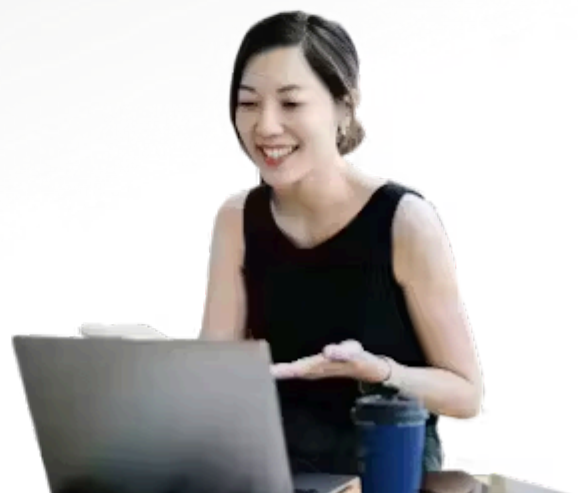
# Open new doors with Coursera Plus



# Coursera for Business

Upskill your employees to excel in the digital economy

[Learn more →](#)



## Frequently asked questions

- ✓ When will I have access to the lectures and assignments?
- ✓ What will I get if I subscribe to this Specialization?
- ✓ Is financial aid available?

## More questions

Financial aid available, [learn more](#)

### Skills

Artificial Intelligence (AI)  
Cybersecurity  
Data Analytics  
Digital Marketing  
English Speaking  
Generative AI (GenAI)  
Microsoft Excel  
Microsoft Power BI  
Project Management  
Python

### Certificates & Programs

Google Cybersecurity Certificate  
Google Data Analytics Certificate  
Google IT Support Certificate  
Google Project Management Certificate  
Google UX Design Certificate  
IBM Data Analyst Certificate  
IBM Data Science Certificate  
Machine Learning Certificate  
Microsoft Power BI Data Analyst Certificate  
UI / UX Design Certificate

### Industries & Careers

Business  
Computer Science  
Data Science  
Education & Teaching  
Engineering  
Finance  
Healthcare  
Human Resources (HR)  
Information Technology (IT)  
Marketing

### Career Resources

Career Aptitude Test  
Examples of Strengths and Weaknesses for Job Interviews  
High-Income Skills to Learn  
How Does Cryptocurrency Work?  
How to Highlight Duplicates in Google Sheets  
How to Learn Artificial Intelligence  
Popular Cybersecurity Certifications  
Preparing for the PMP Certification  
Signs You Will Get the Job After an Interview



What We Offer

Leadership  
Careers  
Catalog  
Coursera Plus  
Professional  
Certificates  
MasterTrack®  
Certificates  
Degrees  
For Enterprise  
For Government  
For Campus  
Become a Partner  
Social Impact  
Free Courses  
Share your  
Coursera learning  
story

Partners

Beta Testers  
Blog  
The Coursera  
Podcast  
Tech Blog

Investors

Terms  
Privacy  
Help  
Accessibility  
Contact  
Articles  
Directory  
Affiliates  
Modern Slavery  
Statement  
Manage Cookie  
Preferences

