GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

GAUGEHOW INDUSTRY X.AI

Build Industry Ready Mechanical Skills

About GaugeHow

GaugeHow is an **EdTech** platform for **Mechanical** and **Manufacturing** engineers, providing **practical**, **industry-aligned learning.**

We help students and professionals gain skills that matter — from core **Mechanical tools** to modern **Industry 4.0** technologies.

Bridging the Gap Between Engineering Education and Industry

Mission

To make mechanical education as innovative and practical as software learning.

Vision

To replace outdated theoretical education with skill-based learning that industries truly value.

Built by Engineers, for Engineers

After realizing the gap between classroom learning and industrial skills, **GaugeHow** was born to help engineers become industry-ready faster.

We started with mechanical concepts like CMM, CNC, and GD&T, and have grown to cover Industry 4.0, Digital Twin, Python, and AI tools for engineers.

Today, we're building the world's first dedicated Mechanical + Industry 4.0 learning ecosystem.

What We Offer

Learn From Design to Digital Manufacturing

Why Choose GaugeHow

Expert-Led Content

Courses taught by industry professionals to bridge the gap between theory and practical skills.

Flexible & Online

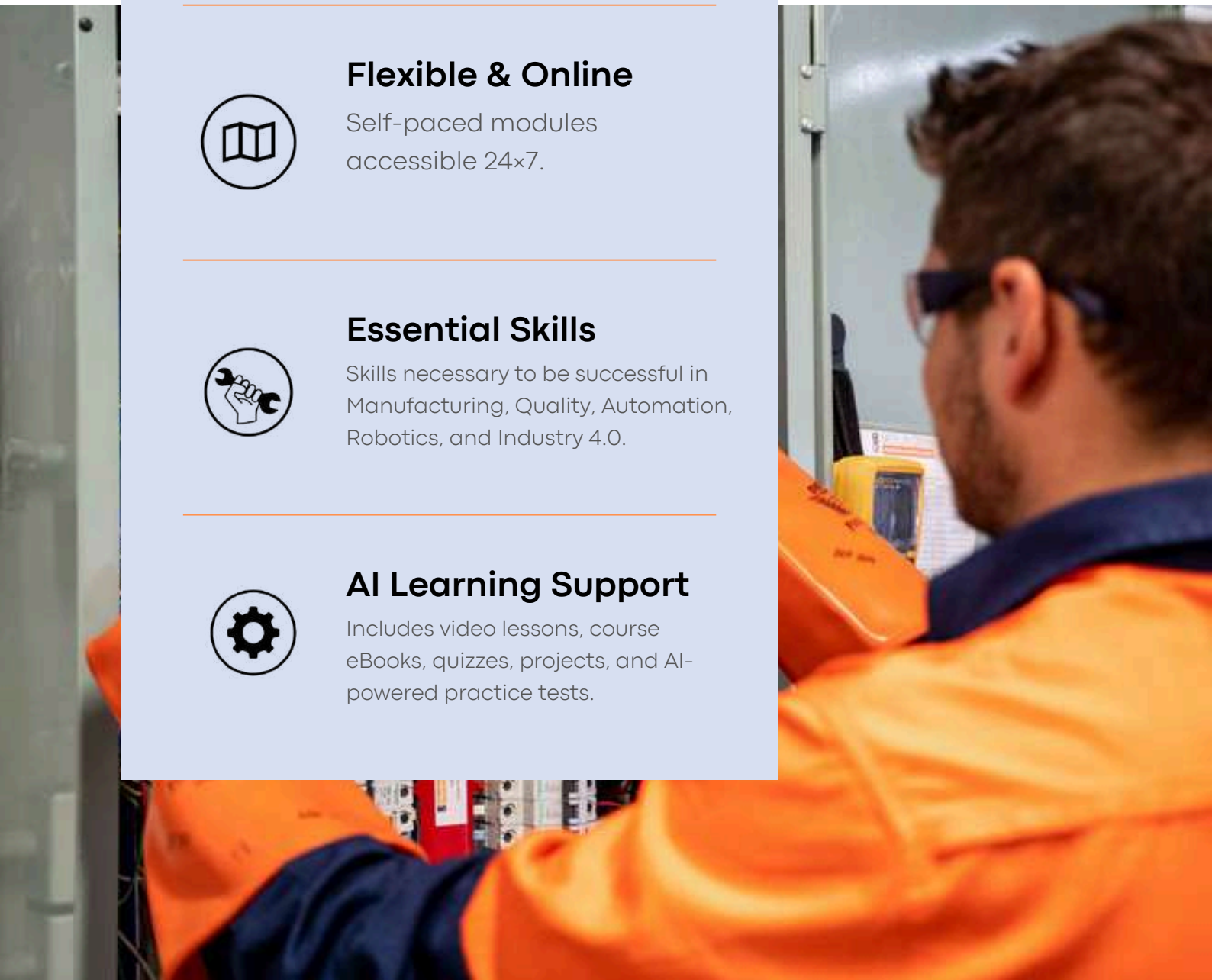
Self-paced modules accessible 24×7.

Essential Skills

Skills necessary to be successful in Manufacturing, Quality, Automation, Robotics, and Industry 4.0.

AI Learning Support

Includes video lessons, course eBooks, quizzes, projects, and AI-powered practice tests.



GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

GAUGEHOW INDUSTRY X.AI

Success and Reach

- 17000+ Learners
- 40+ Skill-Based Courses
- 7 Career Paths
- E-book PDF Library of 250+ terms
- 500K+ Social Media Followers
- 4.4/5 (Average of 730 Ratings)

> Very easy to follow, the instructor is easy to understand and the graphics are in line with what is being spoken. This is one of the better courses I've purchased over the last year.
>
> Darren Gregory ★★★★★

> It is a good match for me because of my work schedule and type of work that I do. Easy to understand and convenient to study.
>
> Emerson Z Basco ★★★★★

GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Design & CAD

Engineering Drawing

Learn the universal language of engineers to communicate design ideas precisely and accurately.

1–2 weeks | 2–3 hrs/week

Fusion 360

Combine CAD, CAM, and CAE in one platform to bring innovation from concept to manufacturing.

3–4 weeks | 2–3 hrs/week

GD&T

Master tolerance standards to ensure parts fit and function perfectly in real-world manufacturing.

1–2 weeks | 2–3 hrs/week

SolidWorks

Create professional 3D designs with powerful parametric modeling tools used in global industries.

3–4 weeks | 2–3 hrs/week

AutoCAD

Build strong 2D drafting and design skills used across industries for precise engineering documentation.

2–3 weeks | 2–3 hrs/week

CATIA V5

Learn advanced surface and product design used in automotive, aerospace, and high-end mechanical design.

3–4 weeks | 2–3 hrs/week

FreeCAD

Explore open-source 3D modeling to design and simulate mechanical components cost-effectively.

3–4 weeks | 2–3 hrs/week

Computer-Aided Reverse Engineering

Explore open-source 3D modeling to design and simulate mechanical components cost-effectively.

1–2 weeks | 2–3 hrs/week

Siemens NX for Mechanical Engineers

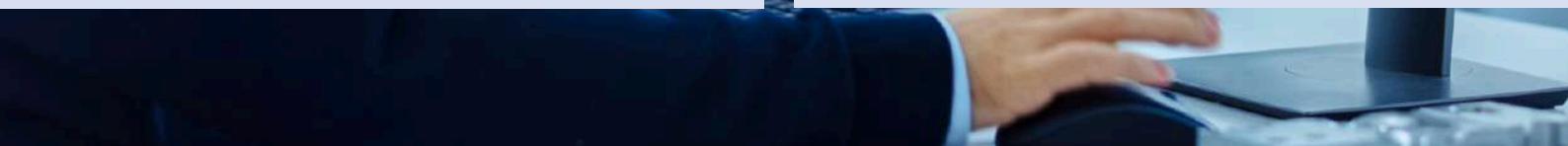
Learn 3D CAD, Assembly, Drafting, Sheet Metal & Surface Modeling from Zero to Advanced with Practical Projects.

6 weeks | 2–3 hrs/week

Creo Parametric for Mechanical Engineers

This course teaches Creo Parametric step by step, starting from basic interface handling to advanced modeling, assemblies, surfacing, and real manufacturing workflows.

4–6 weeks | 2–3 hrs/week



GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

CAE & Simulation

MATLAB Programming

Develop computational and simulation skills to analyze, visualize, and solve complex engineering problems efficiently.

3–4 weeks | 2–3 hrs/week

Basics of FEA with ANSYS

Learn how to simulate real-world mechanical stresses and optimize designs using Finite Element Analysis.

3–4 weeks | 2–3 hrs/week

OpenFOAM for CFD

Gain hands-on experience in fluid flow simulation with open-source Computational Fluid Dynamics tools used in industry and research.

3–4 weeks | 2–3 hrs/week

EV Battery Cooling Simulation

This course teaches you how to perform complete cooling simulations for EV battery packs using SpaceClaim and ANSYS Fluent.

4 weeks | 2–3 hrs/week

Autodesk CFD

Master Computational Fluid Dynamics using Autodesk CFD and learn how to simulate real-world fluid flow and thermal problems used in mechanical, automotive, HVAC, aerospace, and industrial design applications

4-6 weeks | 2–3 hrs/week

ABAQUS CAE

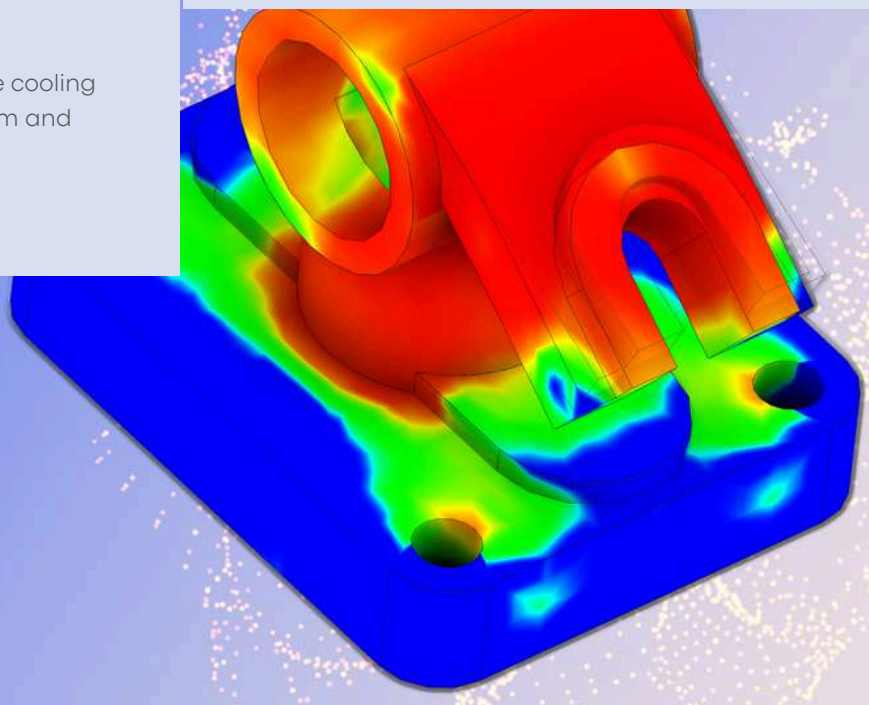
ABAQUS CAE is one of the most powerful tools for engineering simulation, and this course is designed to help you master it from the ground up.

4-6 weeks | 2–3 hrs/week

COMSOL Multiphysics Essentials

Get hands-on with COMSOL's main tools for electrical systems, fluid flow, heat, structures, and pipes covering how engineers use them across different fields.

6 weeks | 2–3 hrs/week



GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Metrology & Measurement

Engineering Metrology & 3D Measurement

Understand precision measurement principles essential for ensuring product quality and dimensional accuracy.

1–2 weeks | 2–3 hrs/week

Basics of ISO 17025:2017

Get familiar with international standards that ensure testing and calibration laboratory competence.

1–2 weeks | 2–3 hrs/week

CMM Machine

Learn how Coordinate Measuring Machines enable high-precision inspection in modern manufacturing.

1–2 weeks | 2–3 hrs/week

Calibration Process

Master the process of comparing instruments to standards to maintain measurement reliability.

1–2 weeks | 2–3 hrs/week

Pressure Measurement

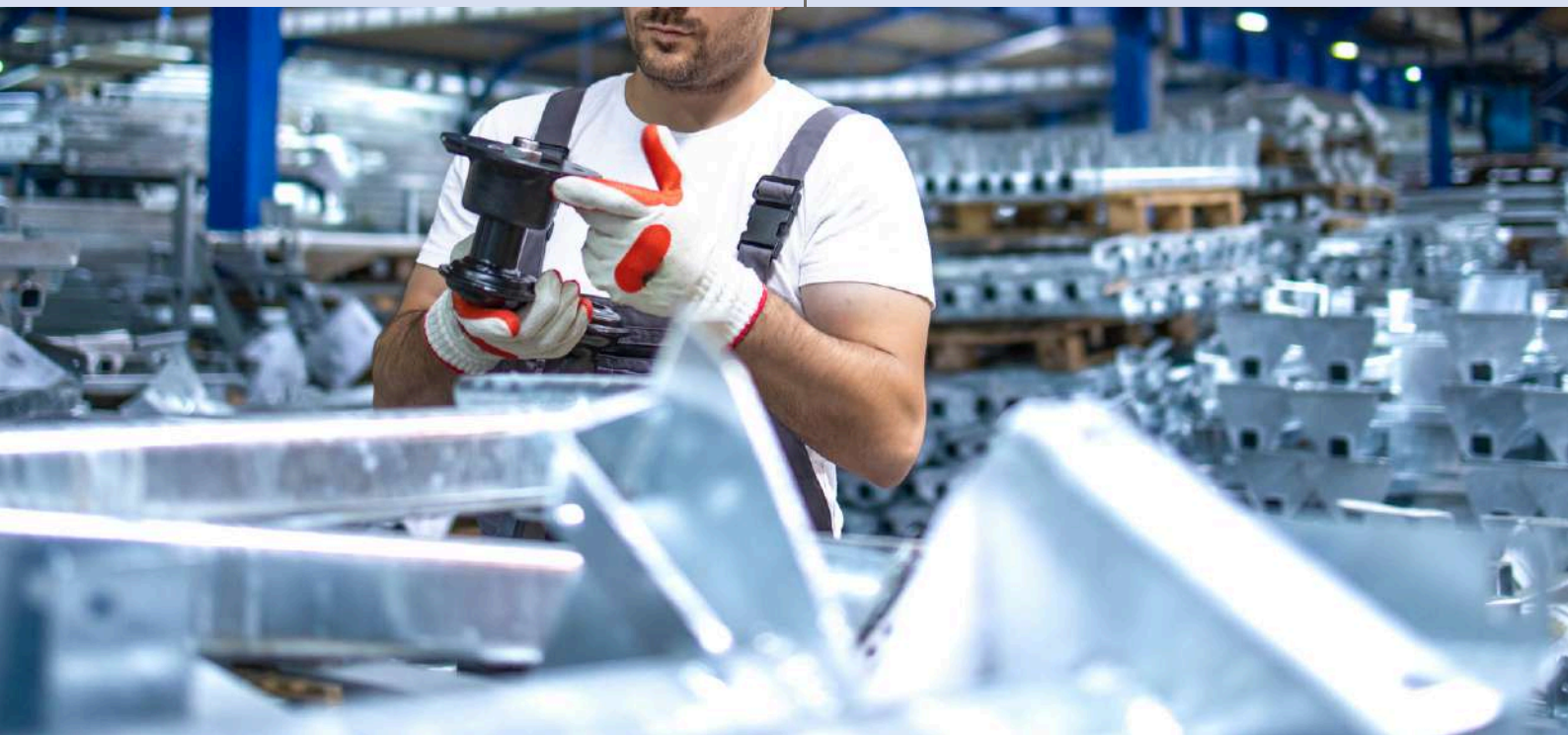
Explore the science and tools behind accurate pressure detection in mechanical and industrial systems.

1–2 weeks | 2–3 hrs/week

Uncertainty Measurement

Learn how to quantify and minimize measurement errors for higher accuracy and confidence in results.

1–2 weeks | 2–3 hrs/week



GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Quality Management & Lean

Basics of Six Sigma

Learn data-driven techniques to minimize defects and achieve near-perfect quality in manufacturing.

1–2 weeks | 2–3 hrs/week

7 QC Tools

Master the fundamental tools used globally to analyze and solve quality problems.

1–2 weeks | 2–3 hrs/week

Lean Manufacturing Tools

Understand methods to eliminate waste and optimize production efficiency.

1–2 weeks | 2–3 hrs/week

Kaizen

Discover the power of continuous, small improvements that drive long-term efficiency and excellence.

1–2 weeks | 2–3 hrs/week

Total Quality Management

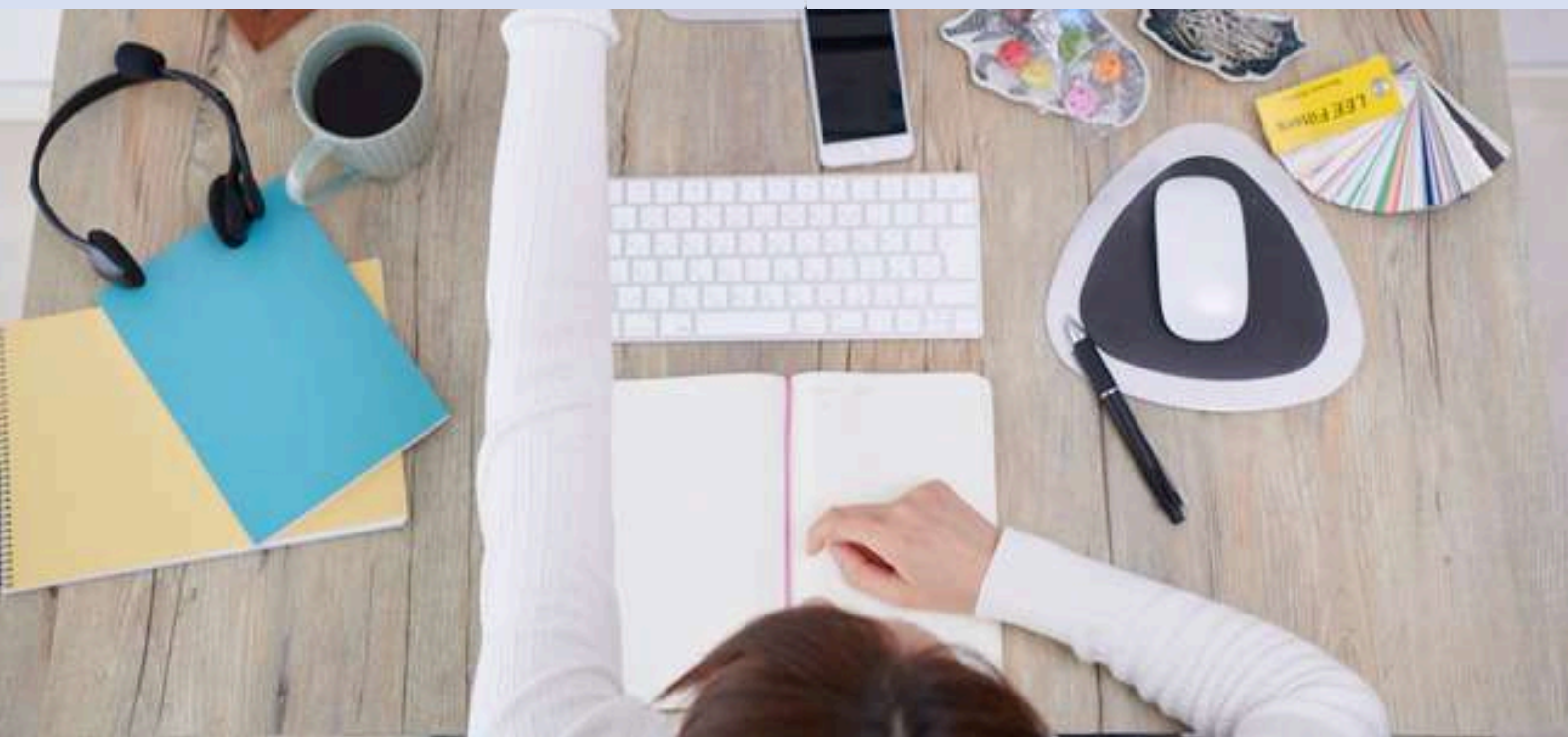
Explore a holistic approach to continuous improvement and customer satisfaction across all processes.

1–2 weeks | 2–3 hrs/week

5S System

Learn workplace organization techniques that improve safety, efficiency, and productivity.

1–2 weeks | 2–3 hrs/week



GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Manufacturing & Production

Manufacturing Technologies

Learn key production methods and technologies that transform raw materials into finished products.

1–2 weeks | 2–3 hrs/week

Basics of Material Handling

Understand systems and equipment that ensure safe and efficient movement of materials in industries.

1–2 weeks | 2–3 hrs/week

Basics of IC Engine

Explore the working principles of internal combustion engines that power most modern vehicles.

1–2 weeks | 2–3 hrs/week

EV Technologies

Get introduced to electric vehicle components and systems shaping the future of mobility.

1–2 weeks | 2–3 hrs/week

CNC Programming

Master the language of automated machining to create precise and complex components with accuracy.

3–4 weeks | 2–3 hrs/week

GAUGEHOW INDUSTRY X.AI

Digital Manufacturing and Industry 4.0

Introduction to Industry 4.0

Understand the fourth industrial revolution and how digital technologies are transforming manufacturing.

7–8 weeks | 2–3 hrs/week

Digital Twins

Discover how virtual replicas of machines and systems improve design, monitoring, and predictive maintenance.

7–8 weeks | 2–3 hrs/week

Digital Manufacturing

Learn how digital tools and data-driven systems enhance flexibility and efficiency in production.

5–6 weeks | 2–3 hrs/week

Smart Materials Science

Learn about materials that adapt to environmenta changes, powering innovations in smart manufacturing.

3–4 weeks | 2–3 hrs/week

3D Printing (Additive Manufacturing)

Explore modern manufacturing through layer-by-layer fabrication for rapid prototyping and innovation.

7–8 weeks | 2–3 hrs/week

Material Informatics

Explore the intersection of materials science and data analytics to accelerate material discovery and development.

3–4 weeks | 2–3 hrs/week

GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Robotics & Mechatronics

Introduction to Mechatronics (Robotics)

Learn how mechanical, electrical, and control systems integrate to create intelligent automated machines.

3–4 weeks | 2–3 hrs/week

PLC Programming and Industrial Automation

Understand how Programmable Logic Controllers (PLCs) drive industrial processes and smart automation systems.

1–2 weeks | 2–3 hrs/week

Python for Mechanical Engineers & Robotics

Develop coding and automation skills using Python to power robotics and data-driven engineering tasks.

3–4 weeks | 2–3 hrs/week

C and C++ for Mechanical & Robotics

Master the foundational programming languages essential for embedded systems and robotic control applications.

3–4 weeks | 2–3 hrs/week

GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Why Choose GaugeHow?

Benefits for Students

- Industry-relevant skills (GD&T, CNC, QA/QC, CAD, Robotics)
- Practical examples and mini-projects
- Certificate to boost resume
- Better internship & placement opportunities
- Exposure to Industry 4.0 concepts
- Self-paced, flexible learning
- Prepared for core mechanical job interviews

Benefits for All

- 40+ job-focused engineering courses
- Trusted by 17,000+ learners & 500K engineering community
- Courses designed with real industry experts
- Affordable skill development at scale
- Practical learning with real examples
- Dedicated support for teams and institutes
- Recognized certifications for students & engineers

Join us
https://gaugehow.com/

Scan QR Code for link

GAUGEHOW®
SCHOOL OF MECHANICAL SKILLS

Contact Information

Website :

https://gaugehow.com/

Phone Number :

+919685671890

Email :

info@gaugehow.com