



B.Tech for Working Professionals (Mechanical Engineering)

A **Hero Group** Initiative
by BML Munjal University

Upskilling Engineers for the
Future of Work and Industry 4.0



Designed for **You**. Powered by **Hero**.

- Part of the Hero Group, BMU understands what skills technologists & engineers must possess.
- Program crafted specifically for your organization's diploma engineers.
- Goal: Transform experience into expertise, and technicians into leaders.
- Practice School = Built-In R&D at your workplace



Upskilling Engineers to become TOMORROW-Ready

- **Future-Ready Workforce:** Upskill your existing diploma engineers in Industry 4.0 science and tech, turning them into innovation leaders with a B.Tech degree.
- **Cost & Time Efficiency:** Reduce hiring needs by building skilled engineers already aligned with tomorrow's industry needs.
- **Retention & Motivation:** Reward loyalty with a degree-linked career path, boosting engagement and long-term commitment.
- **Faster Digital Transformation:** Embed new-age automation skills across teams for quicker adoption of smart manufacturing.
- **Confidence over Uncertainty:** Shift employee mindset from job anxiety to future-focused engineering leadership.
- **Joy of Learning Again:** Combine classroom learning with hands-on industry training in a university setting.

A **Hero Group** Initiative by **BML Munjal University**

B.Tech (Mechanical Engineering) Degree for Working Professionals

Campus: 67th KM Milestone, NH-48, Dist. Gurugram - 122413, Haryana, India

Website: www.bmu.edu.in

Immediate ROI – Learning That Solves Real Problems

Our Practice School Model (PS I, II, and III) turns learning into action. Every participant applies concepts in **automation, smart manufacturing, tech, AI, and CFD** to solve live operational challenges as part of coursework.

Result:

- Real-time productivity improvements
- Problem-solving culture within plants
- Research-backed innovation without disrupting operations

Long-Term ROI – Building Loyalty & Leadership

This program transforms loyal diploma holders into **next-generation engineers and supervisors**. It strengthens **employee retention, creates career growth pathways, and nurtures leaders aligned with your organization's growing skill needs**.

Result:

- Higher morale and retention
- Reduced lateral hiring costs
- Stronger alignment between workforce and strategic goals

Operational **ROI** – Efficiency & Innovation at Scale

Through targeted training in industrial automation, robotics, and advanced manufacturing, your workforce will drive:

- Increased production line efficiency
- Reduced cost-of-quality and rework
- Faster adoption of emerging manufacturing tech
- De-risked innovation through faculty-supported pilots before large-scale rollout

Why BMU-CCE's Model Outperforms Generic Online Degrees

Parameter	BMU's B.Tech (Working Professionals)	Typical Online Programs
Learning Model	Blended: online + hands-on labs + live factory projects	Fully online (theoretical)
ROI	Immediate via Practice School at your workplace	Delayed until program completion
Industry Alignment	Customized to your engineering needs	Generic academic focus
Faculty Mentorship	IIT/NIT experts + industry consultants	Limited virtual guidance
Outcome	Ready-to-promote, innovation-driven engineers	Certified graduates with limited application

Curriculum for the Future Alignment with Industry 4.0 Needs

Built for Industry 4.0 & Electrification:

The curriculum isn't generic. It's engineered around the two biggest transformations shaping modern manufacturing. The program directly upskills your workforce in smart technology, robotics, industrial automation, and digital manufacturing (CFD/FEA).

'Phygital' (Physical + Digital) Learning Model:

Industry now demands engineers who can operate seamlessly across both physical and digital environments. Our delivery model ensures this balance through:

Build & Test: Hands-on learning in Siemens and KUKA labs.

Simulate & Validate: Practical training using licensed software such as ANSYS, SolidWorks, and MATLAB.

Curriculum for the Future Alignment with Industry 4.0 Needs

Solving Real Problems, Not Just Case Studies:

Through the Practice School model, participants apply classroom learning to real-world challenges.

This project-based, experiential approach develops agile problem-solvers far more effectively than traditional, exam-based programs.

Holistic Professional Development:

Beyond technical skills, the inclusion of Ability and Skill Enhancement Courses (AEC/SEC) builds communication, leadership, and critical-thinking capabilities preparing well-rounded professionals who can lead in Industry 4.0 environments.



Expected Time Investment for Individuals & Organization

For Individual Participants:

The program follows a highly flexible 60/40 blended model tailored for working professionals.

~60% On-Campus:

In-person, hands-on classes and advanced lab sessions held on alternate weekends at the BMU campus.

~40% Online (Flexible):

Designed to minimize work disruption through two components:

- Self-Paced Learning (~30%): Delivered via curated MOOCs, enabling participants to learn at their own convenience.
- Live Online Sessions (~10%): Limited evening or weekday sessions for additional academic support and faculty interaction.

For your Organization:

The integrated Practice School (PS-I, II, and III) components allow participants to apply learning within their existing roles turning their workplace into a live innovation lab. Projects align with your business priorities (innovation, automation, assembly optimization).