

Academic collaboration with IIM Bangalore (MIJSCC) & JSPM's JSCOE, Hadapdar, Pune

Parties Involved:

- **IIMB & MIJSC:** Premier institute offering management education and mentorship, aiming to provide insights into Japanese and Indian business.
- **JSPM's Jayawantrao Sawant College of Engineering (JSCOE):** AICTE, DTE, SPPU-approved and NAAC-accredited institute focusing on quality engineering education.

Purpose:

- Collaboration to introduce and promote Lean Manufacturing Practices (LMP) to enhance engineering students' skills and industry readiness.

Scope of LMP Program:

1. **Faculty Training:** IIMB trains faculty in two phases to enhance their teaching and consultancy skills in lean manufacturing.
2. **Student Training:** Faculty-led structured learning in lean principles, aiming to produce industry-ready graduates with Japanese language competency.
3. **Hybrid Learning Platform:** Digital learning blended with industry-based practice, assessments, and certification via the "Swayam" platform.
4. **Three Faculty from department doing this LMP & ALM course:** Dr. P. G. Kadam, Prof. Sidesh Bandekar & Prof. S. S. Talwar.

Project Highlights:

- **FLM (Foundations of Lean Manufacturing):** 6 modules covering observation skills, factory operations, lean principles, and visual mapping.
- **ALM (Advanced Lean Manufacturing):** 6 modules on production planning, control, standardized work, and leadership.
- **LMP Faculty Development (Phase 1):** Certified faculty training monitored by IIMB Module Directors.
- **LMP Student Skill Development (Phase 2):** Hybrid learning, industry internships, and certification based on performance.
- **Japanese Language Program:** 2-semester program for conversational proficiency and cultural awareness.
- **LMP Consultancy Program (Phase 3):** Faculty trained to support SMEs through industry projects.

Roles & Responsibilities:

- **IIMB:**
 - Maintain Digital Learning Platform.
 - Deliver Faculty Development & JLCC programs.
 - Certify participants upon course completion.

- **JSPM's JSCOE:**

- Ensure elective courses (FLM in Semester 5, ALM in Semester 6) are undertaken by students under trained faculty.
- Facilitate industry projects for students in Semester 8.
- Nominate at least five faculty for training and provide necessary resources.
- Support faculty consultancy engagement with SMEs.

This MoU aims to create a collaborative learning ecosystem connecting industry, faculty, and students to sustain Lean/Flow transformation in engineering education and SMEs.



Figure 1 IIM Bangalore Team Visit to JSPM,s JSCOE, HADAPSAR, Pune-411028.



Figure 2: Faculty JSCOE & LMP Course participant visit to Industry at Hosur Tamilnaidu .



Figure 3: Successfully completed LMP course by JSPM's JSCOE team certificate awarded at IIM Bangalore