

# Digital Engineering basic course for Lean Manufacturing based on Japanese Monozukuri

## Entity Overview

	Company name	Location
Representative (Training provider)	Indonesia Japan Business Network (IJBNet)	Jakarta, Indonesia
	Business overview	
	<ul style="list-style-type: none"> <li>Adoption of applied technologies from Japan .</li> <li>Increase exports (food/beverage and bioenergy).</li> <li>Development of competent HRD.</li> </ul>	
Partner organization	1. Lexer Research Inc. 2. Mercubuana University	3. Gunadarma University 4. Indonesia University

## Training Overview

Training site	Mercu Buana University, Gunadarma University, and Indonesia University
Project period	8 <sup>th</sup> October 2024 – 31 <sup>st</sup> January 2025
Training period	2 days (10 hours) in total for 1 batch
Participation fee	5,000,000 IDR/person (1/2 will be subsidized)
Language	Indonesian and Japanese
Training features	<ol style="list-style-type: none"> <li>Doing Kaizen before start of production.</li> <li>Improve productivity with production simulation as cyber space.</li> <li>These improvements include inventory efficiency, lead time from production beginning to the end, labor performance, layout of production system to be optimize these elements to best effort.</li> <li>To solve complex problem, this courseware shows methodology to approach decision making to finalize production system design stage.</li> </ol>
Target trainees	<ol style="list-style-type: none"> <li>Employees engaged in the manufacturing industry.</li> <li>Engineer in production system development division</li> <li>Production Kaizen teams</li> <li>Production planning operator in production control division</li> <li>Strategical management in the manufacturing industry</li> </ol>

## Contents of Training

### 1. Understanding of over all concept of lean manufacturing.

- Overall training course explanation (Lecture).
- Learning of concept of lean manufacturing (Lecture).
- Learning of over all equipment efficiency (OEE) as KPI for cyber kaizen (Lecture).
- Learning of data analysis method for cyber kaizen with production simulation (Lecture).

### 2. Exercise of optimization toward lean with production simulation.

- Overview of production of simulation and basic operation (Lecture).
- Basic of kaizen with production simulation (Exercise).
- Production process kaizen with production simulation (Exercise).
- Investment effect optimization with production simulation (Exercise).

## Expected Training Benefits

### Benefits to Trainees

1. Mastery of Industry 4.0 and Lean Manufacturing Integration;
2. Enhanced Skills in Production System Design and Development;
3. Improved Engineering Capabilities;
4. Practical Application through Active Learning.

### Benefits to Participating Companies

1. Innovative Transformation to Industry 4.0 through IoT Integration;
2. Significant Productivity Gains;
3. Enhanced Engineering Capabilities.

## How to Apply for Training

Participants register via +62813-1434-3355 (WhatsApp) and info@ijb-net.org by completing the registration form and a letter of recommendation from the company where they work.