

# The Program on Productivity Improvement Utilizing Digital Technology [PIDT]

## Course Benefits

1. To understand various manufacturing methods practiced in the Japanese manufacturing industry that increase productivity and quality.
2. To understand how to apply digital technology to implement the methods efficiently and effectively at a higher level, and how to introduce production systems using the IoT.
3. To acquire the ability to introduce management methods suited to their company and continuously promote Kaizen.

- Date : **19 November – 2 December 2024 (2 weeks)**
- Venue : **AOTS Kansai Kenshu Center**
- Target Participants : **Managers of manufacturing sites, Persons responsible for promoting DX and IoT, Senior managers, etc. who are responsible for improving on-site productivity in the manufacturing industry in developing countries.**
- Deadline : **3 September 2024 (Tue.)**

**Application to : Name of AOTS Alumni Society**

**Name of Coordinator**

**TEL : +XX-X-XXXX-XXXX Email : XXXXXXXX@XXXXX.com**

**Inquiry: AOTS Overseas Cooperation Group I Email: shouhei-au@aots.jp**

# Program Director

**Dr. Kentaro Minagawa**  
**Professor, Department of Data Science, Faculty of Information Science and Technology, Osaka Institute of Technology**

Ph.D. in Engineering, Osaka Institute of Technology, Japan  
Over the past 10 years, he has lectured at AOTS extensively, mainly in production management training courses.  
His practical lectures through exercises and company case studies are highly regarded.

Schedule(Tentative)

\*All lectures/visits will be conducted in English.

Date	Morning		Afternoon
18-Nov (Mon)	(Arrival in Japan)		
19-Nov (Tue)	Orientation Opening Ceremony		[Lecture] Know-how to Continue 5S Activities at Production Sites
20-Nov (Wed)	[Lecture] Productivity Improvement Utilizing Digital Technology		
21-Nov (Thu)	[Lecture] Productivity Improvement through Elimination of Muda and Gemba Kaizen (1)		[Visit] Case of Kaizen
22-Nov (Fri)	[Exercise] Productivity Improvement through Elimination of Muda and Gemba Kaizen (2) (Mock Line Exercise)		
23-Nov (Sat)	Day off		
24-Nov (Sun)	Day off		
25-Nov (Mon)	[Lecture] Application of IoT in Production Site		
26-Nov (Tue)	Study Tour	[Visit] Case of 3S Activity Utilizing Digital Technology	
27-Nov (Wed)		[Visit] Case of Productivity Improvement Utilizing Digital Technology [Visit] Case of Initiatives for Smart Factory	
28-Nov (Thu)	[Lecture] Concept of Quality and Introduction to Quality Control -Application of Digital Technology in QC		
29-Nov (Fri)	Action Plan Presentation (1) (in group)		[Visit] Case of Productivity Improvement Utilizing Digital Technology
30-Nov (Sat)	Day off		
1-Dec (Sun)	Day off		
2-Dec (Mon)	Action Plan Presentation (2) (whole group)		Closing Ceremony
3-Dec (Tue)	(Departure from Japan)		

## AOTS Kansai Kenshu Center

7-5, Asaka 1-chome,  
Sumiyoshi-ku, Osaka  
558-0021, Japan

