

# 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.**
- Fee : Participation fee will be partially subsidized by Japanese government. Please refer to “Program Outline” for details.
- Deadline : **3 September 2024 (Tue.)**

## Contact Information

**Overseas Cooperation Group I, AOTS**

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# 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

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