Global Project Based Learning for Driving Innovation and HR Development



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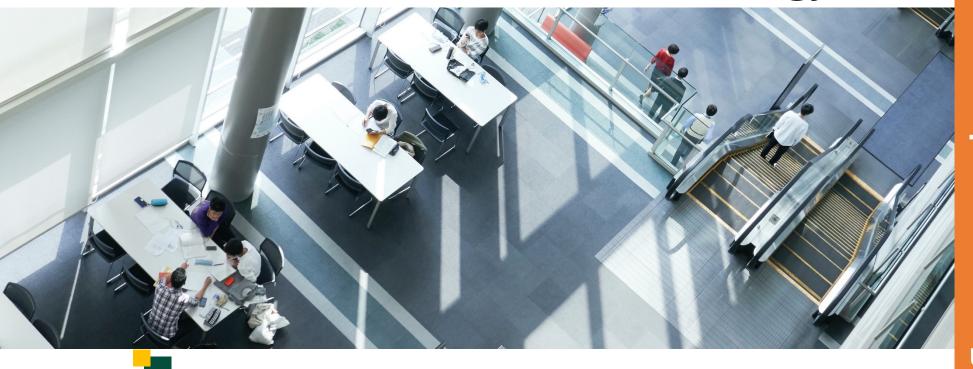
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Shibaura Institute of Technology



Shibaura Institute of Technology



Nurturing practical engineers
who learn from society and contribute
to society

Established 1927

9,499
Total Enrollment

AY2022

Undergraduates 7,962 Graduates 1,537



Global Project Based Learning

- Enhanced student engagement
- Acquisition of real-world problemsolving abilities
- Development of cross-cultural skills
- Improved global awareness and empathy
- Increased motivation







Global Technology Initiative (GTI) Consortium

Consortium

Industry 187

IHI, NTT Data, Bosch, SMBC, etc.

(Objectives)

- QA of Science & Technology Education
- Fostering Talented individuals
- Driving Innovation
- Reinforcing industry competitiveness

Governmental Organizations 9

JICA, JETRO, NEDO, etc.

Established in 2015

Academia 46

SIT, KMUTT, UTM, HUST, etc.



Global PBL with CO-WELL Co., LTD.

- Theme: PoC development of "tailgating prevention" application using Python language
- Partner Univ.: Posts and Telecommunications
 Institute of Technology, Vietnam
- Implemented in 2017-2019, 2022, and 2023(planed)
- Pre-training students in Vietnam
- Select top 10 students and invite them to the Global PBL
- Global PBL with SIT, Japan

Successful in recruiting excellent students





Global PBL with Bosch Corporation

- Theme: Kaizen (Improvement)
- Partner Univ.:Panyapiwat Institute of Management, Thailand
- Implemented in 2019
- A group of PIM students, SIT students, and Bosch employees worked together on a kaizen project at a factory in Thailand.
- Bosch's two employees joined to the program
- They took on leadership roles

Utilized as employee training



Global PBL with IHI Corporation





Japanese University



Indonesian University



Indonesian government agency



Industry

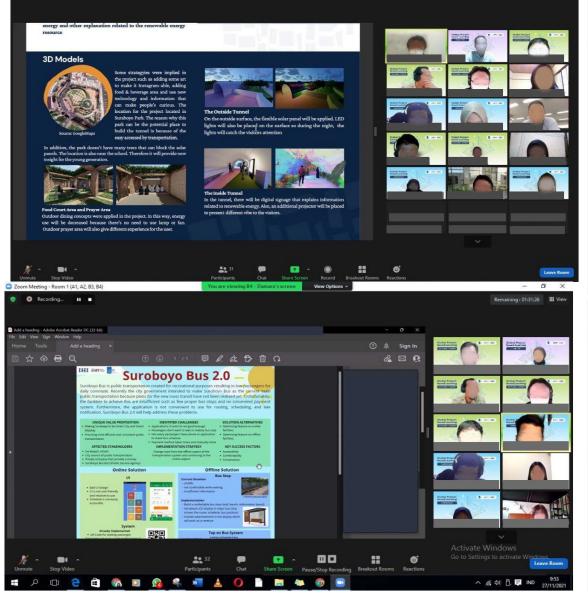
- Partner Univ.: Institut Teknologi Sepuluh Nopember (ITS), Indonesia
- Implemented in 2021, 2022, and 2023 (planed)

Industry-academiagovernment collaboration

This program aims to develop, improve & evaluate these following real case study in Surabaya City:

- A. Low Carbon Society: Dependency on Grid Electricity
- B. Smart Urban Mobility: Online Transportation System
- C. Infrastructure & City Planning: Infrastructure for People with Disability
- D. Disaster Prevention: Flood
 Threats and Water Resilience

Global PBL with IHI Corporation





Global Project Based Learning



Industry-academia-government collaborative Global PBL can meet various needs for human resource development toward innovative and sustainable growth

Thank you for listening!

