



芝浦工業大學  
SHIBaura INSTITUTE OF TECHNOLOGY



ITS  
Global  
Engagement

# GPEBL

Global Project Based Learning  
in Mathematics



Shibaura Institute of Technology (SIT), Japan  
Institut Teknologi Sepuluh Nopember (ITS), Indonesia

**2-7 August 2021**

**1 PM – 4 PM IST or 3 PM – 6 PM JST**

Indonesia Standard Time

Japan Standard Time

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# What is GPBL?

Promoting a space for young mathematicians, analysts, and researchers to connect and network, SIT and ITS collaborate to create Global Project-Based Learning (GPBL) in Mathematics, students of both universities, and the selected partners'.

Known as a high reputation university in Japan prominent in engineering and science, SIT upholds the philosophy of “learning through practice” for its education system.



As a top-rank research-based university in Indonesia, prominent in engineering, technology, science, and art and design, ITS strives to cultivate an international learning environment.

## Previous GPBL Mathematics by SIT and ITS

2019

*Solving Problems in Surabaya City using Mathematical Sciences*

2020

*Mathematical challenges towards disease outbreaks (Virtual)*

# GPBBL 2021

## Topics



This year, GPBL in Mathematics offers four (4) topics for wider audience to explore including:

- 1. Let's play with automata**  
by Prof. Tomoyuki Idogawa, SIT
- 2. Introduction to stochastic processes and applications**  
by Dr. Tomonori Nakatsu, SIT
- 3. Optimization and its applications**  
by Prof. Mardlijah, ITS
- 4. Mixed-Integer Programming Modelling**  
by Dr. Sena Safarina, ITS

## Participants



For SIT, Japan

**20** <sup>+5\*</sup> students

For ITS, Indonesia

**30** <sup>+10\*\*</sup> students

\*additional seats for SIT partners

\*\*additional seats for the partners of the ITS Department of Mathematics



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# Program Details

## Day, Date

Monday-Saturday, 2-7 August 2021

## Time

1PM – 4PM IST **or** 3PM – 6PM JST

## Platform

Zoom Meeting

## Activities

Lectures, discussion, Project Presentation,  
and Fun activities\*

*\*Visit our website to know detailed agenda*

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# Call for Participants

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## Eligibilities

1. Active ITS student from any batch and any major (preferably but not limited to students of Mathematics Department)
2. Having good English (oral and written)
3. Minimum GPA 2.75
4. Highly motivated, committed, and discipline

## Requirements

1. CV
2. Latest Academic Transcript
3. Language Certificate (English **and/or** Japanese)



# Timeline\*



## Benefits

1. Knowledge and experience
2. International exposure and network
3. Certificate

\*tentative



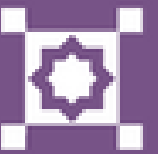
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# APPLY NOW

Registration Link:

[intip.in/RegistrationGPBLMat2021](https://intip.in/RegistrationGPBLMat2021)

Registration Deadline:

**Saturday, 26 June 2021**

**16.00 IST (Indonesia Standard Time)**

**Contact:**

✉ [international@its.ac.id](mailto:international@its.ac.id) | Subject: [GPbL Math 2021]

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☎ +62 857-0685-4749 (Vivi Ria Anggraeni (Ms.))

For further info, visit: [intip.in/InfoGPBLMat2021](https://intip.in/InfoGPBLMat2021)



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