

# INTERNATIONAL VIRTUAL COURSE SMART SYSTEMS for HEALTHY BUILDINGS and ENVIRONMENTS

School of Electrical Engineering & Informatics  
School of Architecture, Planning, and Policy Development  
Faculty of Arts and Design  
**INSTITUT TEKNOLOGI BANDUNG**

With Lecturers and Collaboration from:

1-15 August  
16-20 August

Online Lectures  
Onsite Workshop/Lectures  
ITB Ganesha Campus  
Bandung, Indonesia

## KEY TOPICS

- Smart Healthcare Systems
- The interaction between smart health systems and the built environment
- Health, Sustainability, and the Built Environment
- Digital Placemaking
- Design, Technology, and Health

# Learning Objectives

## Introduction to:

- Smart Systems for Health
- Placemaking
- Healthy Building and Space standards
- Implementasi smart systems in public places

## Hands on experience:

- Interdisciplinary, international Collaboration
- Smart Systems for Health in Buildings and Environments



Allya & Yoke (ITB & IEEE)  
Biomedical Engineering



Widiyani & Gantini (ITB)  
Architecture & Placemaking



Prof. Suhono (ITB)  
Smart Cities



Etika (ITB)  
Design & Health



Prof. Egawa (Tohoku)  
Health & Tech in  
Disasters



Hossai Gul (UTS)  
Implementation  
Science

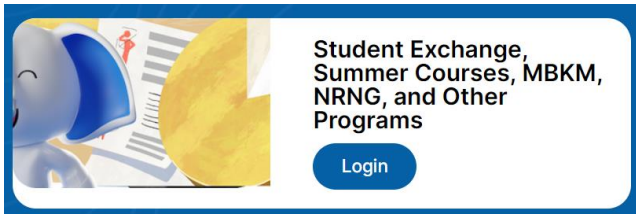


Ilham (BITA)  
FitWel & Healthy  
buildings

# Thank you for Following our Summer School!

## Please Register to ITB System by 31<sup>st</sup> of July

- Register in the ITB Official Page to get access to ITB facilities, certificate and course credit!
- Go to:  
<https://admission.itb.ac.id/info/login/>
- Choose



- Choose International Virtual Course and fill in your data (see right)
- Wait for selection number email (sometimes in spam!) – and login in the login page again
- If you encounter any trouble, contact Allya at +628122045840

### Please read carefully before register

1. Participant must have a valid email address to register for the ITB Student Admission account
2. Your selection number and password will be sent to your email address
3. Notification about the selection process will be sent to your email address
4. One email address can only be used once per registration period
5. To create your admission account, **please choose one of the following programs**

International Virtual Courses

AUN-ITB Summer Camp

Non Regular Non Gelar

Student Exchange

### Account

Participant Full Name

Participant Name as in Passport

Name as mentioned in your National Identity Card (KTP/KK/Passport)

Email

yourname@youremail.com

Please use your personal email.

Country of origin

Asing (Foreigner)

Registration Period

2024 Semester 1 (2024-04-01 until 2024-08-24)

Register

Back

# For Required Documents, please upload:

- Identity page of Passport
- Health Insurance (can be travel insurance)
- Student ID Card
- Statement of Purpose: Short signed paragraph stating that you will follow completely to the best of your ability all the International Virtual Course Activities
- Motivation Letter: Short paragraph on why you would like to participate in this program

# For Choose Your Courses/Program Choose the following:

25	IVC24-117	Smart Systems for Healthy Buildings and Environments	STEI	Biomedic Engineering	Allya Paramita Koesoema	2024-08-01 until 2024-08-31	2024-06-17 until 2024-07-31	already register	info
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# Course Schedule

## **Online Courses:**

1-15 August, 2-3 days a week

## **Offline Activities:**

16-20 August

# Week 1: Introduction

**ZOOM:** <https://bit.ly/zoom-ivcsmarthealth>  
**All times Malaysian time**

Date		Time	Topic	Format	Coordinator	Lecturer
Thursday	1-Aug	10.00-12.30	Introduction: SmartHealth for Building and Environments Foundations 1: Health, Technologies and Spaces Foundations 2: Intro to Smart Systems	Online	STEI	Allya, Suhono, Yoke
Friday	2 August	9.00-11.00	Principles in Placemaking & Healthy Placemaking	Online	SAPPK	Widiyani
		11.00-12.50	Digital Placemaking	Online	SAPPK	Widiyani

# Week 2-3 Online: Applications

**ZOOM:** <https://bit.ly/zoom-ivcsmarthealth>  
**All times Malaysian time**

Date		Time (Malaysia Time)	Topic	Format	Lecturer
Monday	5 August	09:00-11.00	Site introduction	Online	Christina Gantini
Wednesday	7 August	9.00-11.00	Application 1: Creating Buildings and Environments for Health and Wellbeing	Online	Ilham
		11.00-13.00	Application 2: Smart Health for Smart Cities	Online	Prof. Suhono
Thursday	8 August	15.00-17.00	Application 3: Role of smart sensors for health in disaster preparedness	Online	Prof. EGAWA
Wednesday	14 August	10.00-12.00	The design perspective - impact of design for health	Online	Etika Vidyarini
Thursday	15 August	11.00-13.00	Implementation Science - towards a participative and sustainable intervention	Online	Hossai Gul (UTS)

# Offline Event

All times West Indonesian time

Date		Time	Topic	Format	Lecturer
Friday	16-Aug	15:30-19:00	Trip with Bandros Site visit: Braga + team discussion	Offline - BDG	Facilitators
Saturday	17 August*	15:00-21:00	Trip Hallway space, Pasar Festival Jabar dan Kasepuhan Bunisari	Offline - BDG	Facilitators
Monday	19 August	08:00-12:00	Independent Team-Work + Tutor	Offline - BDG	Facilitators
		13:00-21:00	Simulation of the social experiment		Facilitators
Tuesday	20 August	08:00-13:00	Social Experiment Preparation	Offline - BDG	Facilitators
		13:00-17:00	A 2-hours of Social Experiment		Facilitators



**For any Questions, please contact  
Allya  
+628122045840 (Whatsapp)  
or  
allya.koesoema@itb.ac.id**