PLEASE POST PLEASE POST

NATIONAL INSTITUTE OF PHYSICS

College of Science

University of the Philippines

Diliman, Quezon City

ANNOUNCEMENT OF THE UNDERGRADUATE THESIS SEMINAR

of

**CLARENCE IOAKIM T. SY**

on

**CLASSROOM LEARNING DYNAMICS USING A CELLULAR AUTOMATA SPATIOTEMPORAL MODEL COMPARING PEER INSTRUCTION AND TRADITIONAL INSTRUCTION**

In partial fulfillment of the requirements for the degree of

**Bachelor of Science in Applied Physics**

On Thursday, 12 December 2024, 10:30 AM, NIP R211

THESIS ADVISER

JOHNROB Y. BANTANG, Ph.D.

Associate Professor of Physics

National Institute of Physics

C.S., U.P. Diliman, Quezon City

THESIS PANEL MEMBER THESIS PANEL MEMBER

Andrei Espencer M. Ordonio, b.Sc. Ranzivelle Marianne L. Roxas- Villanueva, Ph.D.

Instructor of Physics Professor of Physics

National Institute of Physics Institute of Physics

C.S., U.P. Diliman, Quezon City C.A.S., U.P. Los Baños, Laguna

ENDORSED BY: AUTHORIZED BY:

CRISTINE DLR. VILLAGONZALO, Dr.rer.nat. WILSON O. GARCIA, Ph.D.

Deputy Director for Academic Affairs Director

National Institute of Physics National Institute of Physics

C.S., U.P. Diliman, Quezon City C.S., U.P. Diliman, Quezon City