



Republic of the Philippines
SURIGAO DEL NORTE STATE UNIVERSITY
Narciso Street, Surigao City 8400, Philippines



October 6, 2022

MAURICIO S. ADLAON, PhD

Vice President, Research, Innovation and Extension
This University

Sir:

Greetings!

I am writing this request letter to humbly allow me utilize the fund for research presentation of our institutionally-funded research project called "Pagkamadiskartehon nan Maestra...". Our collaborative research output, which now bears the title, "A Measure of Strategic Teacher Behaviors in Modular Learning: Initial Validation", has been accepted for onsite presentation to the 3rd International Research and Education Summit (3rd IRES) on November 26-28, 2022 in Palawan City. I have attached in this letter the certification of paper acceptance for your reference.

I am hoping for your kind and positive regard on this matter. Thank you so much.

Respectfully,


RAYMON P. ESPANOLA

Project leader, Research Project on "Pagkamadiskartehon..."
CAS Faculty

Noted:


MATT B. SINACA, MA, RGC

CAS Research Coordinator

Recommending approval:


LOUIDA P. PATAC, PhD

Dean, CAS

Concurred:

RUEL T. BUBA, MA

Director, Research

Approved

MAURICIO S. ADLAON, PhD

Vice President, Research Innovation and Extension

CERTIFICATION of PAPER ACCEPTANCE
3rd IRES

Author/s	Raymon P. Española*; Lucille G. Tanguihan; Princes Grace A. Retita; Matt B. Sinaca; Jonas Robert L. Miranda; and, Marivel C. Catacutan
Title of Paper	A Measure of Strategic Teacher Behaviors in Modular Learning: Initial Validation
Agency/Institution	Surigao del Norte State University
Date	October 03, 2022
Email Address	respanola1@ssct.edu.ph
Comments	Accepted for presentation and publication (optional)

Dear Prof. Raymon P. Española:

Greetings and Congratulations! Global Researchers Association and Convergence for Excellence (GRACE) Inc. is happy to inform you that your paper is accepted for paper presentation to the 3rd International Research and Education Summit (3rd IRES) which will be held on November 26-28, 2022 in Palawan City, Philippines. The summit has the theme, *“Research and Education: Converging for Technology Innovation and Discoveries”*.

The event shall provide an opportunity for researchers, educators, students, managers, and administrators from different countries to come online together and learn from each other. The conference objectives are: to discover contemporary and updated approaches in education and technology; to explore innovative and practical fields in research and development for the improvement of quality of life through education; to prepare educators to become more capable and equipped to meet the challenges and demands of the global market as a major end of promoting education for life; and, to gain a broader viewpoint and wider outlook through paper presentations in various fields.

As paper presenter, you will be given fifteen minutes to present your research and to answer questions. A power point of not more than 15 slides should be prepared and timed to last for the duration of 10 minutes and be ready to answer questions for 5 minutes.

Registration fees shall be as follows:

	MEMBERS	Non-MEMBERS
Online Participant	P 900	P1250
Online Presenter	P2000	P2500
2 nd or 3 rd Paper	P1200	P1500
On-site Participant (Live-out)	P4500	P4900
On-site Presenter (Live -out)	P5500	P5900
Accommodation (2 days, double to triple-sharing)	P3500	P3500
2 nd or 3 rd Paper	P2500	P3000

Onsite registration fee is inclusive of: certificates; book of abstracts; conference kit; conference ID; original official receipt; CA; and, meals. To complete the registration process - vaccination card, travel order, registration form, full paper, and proof of travel are to be emailed to us not later than November 15, 2022.

Presented papers will have a chance to be published to the Global Researchers Journal Volume 9, January 2023 issue which is an ISSN, national-refereed journal which will be circulated in the Philippines, but E-copies will be uploaded on our website. The journal is not ISIindexed and not CHED-accredited. Publication fee is P3500 but optional.

For more inquiries, confirmation of attendance, reservation of slots, and publication queries, please reach us at +639199322672 or at graceinc55@gmail.com. Thank you so much and we hope to see you soon online. More power.

Truly yours,


Janela C. Ferrer
 Head, Secretariat

A Measure of Strategic Teacher Behaviors in Modular Learning: Initial Validation

Raymon P. Española*, Lucille G. Tanguihan, Princes Grace A. Retita,
Matt B. Sinaca, Jonas Robert L. Miranda, and Marivel C. Catacutan

*respanola1@ssct.edu.ph / +63 956 295 3159

Surigao del Norte State University, Surigao City, Philippines

Abstract

Teacher education institutions aim to produce highly qualified teachers consistent with the Agenda 2030. Learning lessons from strategic teachers during the COVID-19 pandemic, this study was designed to construct and validate a measure of behaviors that characterize “strategic teachers” in pandemic-era modular learning. Phase 1 made use of qualitative data from four separate focus groups, involving regular teachers ($N = 9$) and educators holding administrative positions ($N = 11$) to generate the initial item pool. Phase 2 involved pilot testing of the 48 items that had 1.00 item content validity indices. The pilot sample consisted of 429 basic education teachers ($\text{Mean}_{\text{age}} = 31.024$; $\text{SD}_{\text{age}} = 7.466$; 80% females). Exploratory factor analysis (EFA) revealed that 16 items loaded strongly, from 0.606 to 0.779, onto three factors: 1) motivating students ($\alpha = 0.911$), 2) using alternative delivery modalities ($\alpha = 0.832$), and 3) adaptive problem solving ($\alpha = 0.752$). Phase 3, the validation phase, the 16 items, together with an additional measure of teacher self-efficacy, were administered to a sample of 416 junior and senior high school teachers ($\text{Mean}_{\text{age}} = 37.57$; $\text{SD}_{\text{age}} = 9.469$; 71% females). Confirmatory factor analysis in AMOS showed acceptable fit for the three-factor model, confirming the earlier EFA solution. Lastly, structural equation modeling found that teacher self-efficacy was positively related to all dimensions of strategic teacher behaviors, providing nomological validity evidence. The findings of this study can boost tracer studies and curriculum development efforts for the improvement of teacher education programs in the post-pandemic world.

Keywords: strategic teacher behaviors, pandemic-era modular learning, teacher self-efficacy, scale validation, COVID