



CITY COLLEGE OF EL SALVADOR
El Salvador City, Misamis Oriental



Certificate of Participation
is awarded to

ALLAN N. CANO, MS

for attending the City College El Salvador Series 2 Faculty Development Program on
Classroom Management in the 21st Century Learning System
held via Google Meet.

Given this 13th day of March 2024.

JORHEN KRIS A. BALABAT, RSW
Faculty Association President

ADRIANNE M. CLEMEN, DPhil. Ed. ELT
Vice President for Academic Affairs

LYLLAN GAY D. MAGDALE, PhD, LPT
OIC - College President

50

ANNUAL
CONVENTION

THE MATHEMATICAL SOCIETY OF THE PHILIPPINES

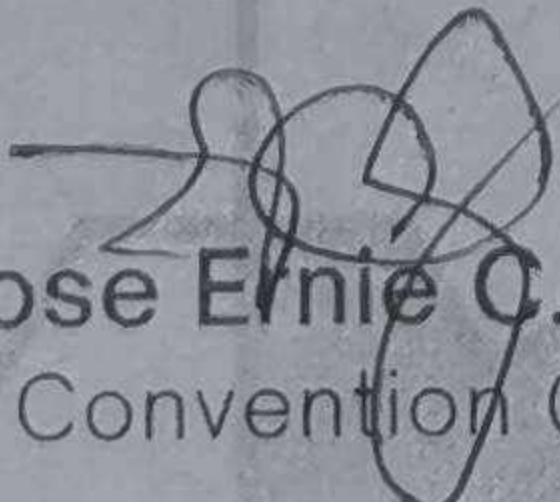
awards this

CERTIFICATE OF APPEARANCE

to

Allan N. Cano

for having attended the 2023 MSP Annual Convention
held on June 1-4, 2023 at Ateneo de Manila University.


Jose Ernie C. Lope
Convention Chair



ANNUAL
CONVENTION

THE MATHEMATICAL SOCIETY OF THE PHILIPPINES

awards this

CERTIFICATE OF APPRECIATION

to

Allan N. Cano

for giving an oral presentation
SVNS set in Hyper UP-algebra

during the 2023 MSP Annual Convention held on June 1-4, 2023
at Ateneo de Manila University.

Jose Ernie C. Lope
Convention Chair

Carlene P. Arceo
Convention Co-Chair



ANNUAL
CONVENTION

THE MATHEMATICAL SOCIETY OF THE PHILIPPINES

awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for participating in the 2023 MSP Annual Convention
held on June 1-4, 2023 at Ateneo de Manila University.

A handwritten signature in black ink, appearing to read 'J. Lope'.

Jose Ernie C. Lope
Convention Chair



MATHEMATICAL SOCIETY OF THE PHILIPPINES
REGION VII

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO:

ALLAN CANO

for participating in the 2022 MSP REGION VII Research Congress and Convention with the theme "Engaging in a More Relevant and Trending Mathematics Research" held on December 2 and 9, 2022 via Zoom.

Given this 9th day of December, 2022.

DR. CRIS L. ARMADA
CONVENTION CHAIR

DR. ROBERTO B. CORCINO
PRESIDENT, MSP REGION VII



MATHEMATICAL SOCIETY OF THE PHILIPPINES
REGION VII

Certificate of Attendance

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ALLAN CANO

for attending the 2022 MSP REGION VII Research Congress and Convention with the theme
"Engaging in a More Relevant and Trending Mathematics Research" held on December 2 and 9,
2022 via Zoom.

Given this 9th day of December, 2022.

DR. CRIS L. ARMADA
CONVENTION CHAIR

DR. ROBERTO B. CORCINO
PRESIDENT, MSP REGION VII



**MATHEMATICAL SOCIETY OF THE PHILIPPINES
REGION VII**

CERTIFICATE OF RECOGNITION

This certificate is proudly presented to

Allan Cano

for presenting his/her research entitled

Neutrosophic set in Hyper UP-Algebra

in the 2022 MSP REGION VII Research Congress and Convention with
the theme "Engaging in a More Relevant and Trending Mathematics
Research" held on December 2 and 9, 2022 via Zoom.

Given this 2nd day of December, 2022.


DR. CRIS L. ARMADA
CONVENTION CHAIR


DR. ROBERTO B. CORCINO
PRESIDENT, MSP REGION VII


REV. FR. EDUARDO S. CELIZ, JR. OAR
PRESIDENT, UNIVERSITY OF SAN JOSE-RECOLETOS

MSU-Iligan Institute of Technology

Department of Mathematics and Statistics

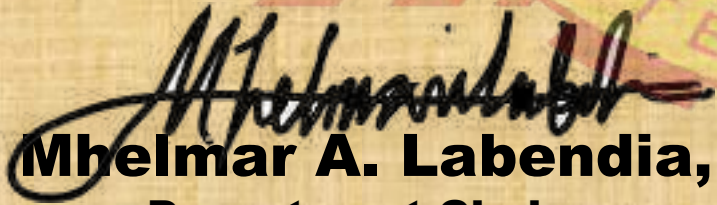
awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic
“Monoids Generated by Idempotents and One-sided Units”
held online. Given this 25th day of January, 2023.


Mhelmar A. Labendia, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



CERTIFICATE OF PARTICIPATION

This certificate is presented to

Allan N. Cano

for participating in the

2022 MSP Annual Convention

an event held online on May 21, 28, and June 4, 2022.


Editha Jose
Convention Co-Chair


Angelyn Lao
Convention Chair

MSU-Iligan Institute of Technology

Department of Mathematics and Statistics

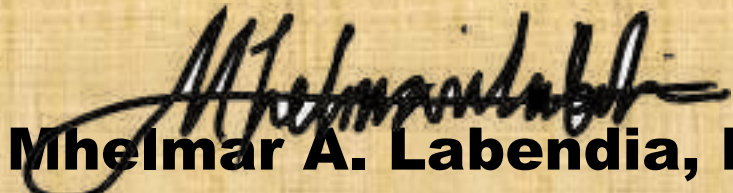
awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic
“An Introduction to p-modular Langlands Correspondences”
held online. Given this 9th day of November, 2022.


Mhelmar A. Labendia, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

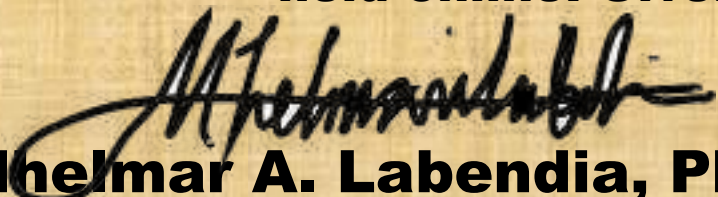
CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic
“Mass Formula and Classification of Self-Orthogonal Codes
over a Finite Ring”

held online. Given this 3rd day of October, 2022.


Mhelmar A. Labendia, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

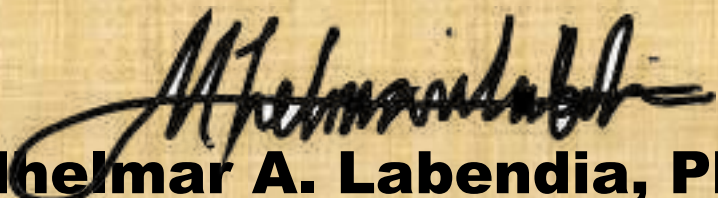
to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

“Certain Classes of Injective Rings”

held online. Given this 31st day of August, 2022.


Mhelmar A. Labendia, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



The MATHEMATICAL SOCIETY *of the* PHILIPPINES

Regions 10, 12 and BARMM

in cooperation with

Mindanao State University-Iligan Institute of Technology
and Premier Research Institute of Science and Mathematics

presents this

CERTIFICATE OF PARTICIPATION

to


ALLAN N. CANO
MSU - Iligan Institute of Technology

for actively participating in the

16th Annual Convention
in honor of Prof. Dr. Julius V. Benitez

held on 27-28 October 2022 at PRISM, MSU-IIT, Iligan City and via ZOOM.

Given this 28th day of October 2022.


CHERRY MAE R. BALANGIT, Ph.D.
President, MSP-10, 12, & BARMM


FELIPE R. SUMALPONG, JR., Ph.D.
Convention Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

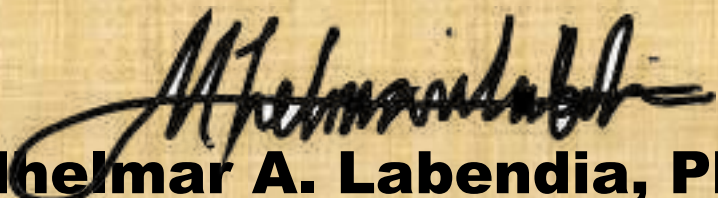
to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

“Non-Commutative Categorical Resolutions of Singularities”

held online. Given this 20th day of July, 2022.


Mhelmar A. Labendia, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

“Fermat Primes and the Lemniscate Curve”

held online. Given this 22nd day of June, 2022.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

“Poisson and Lie Algebraic Aspects of Dynamical Systems”

held online. Given this 25th day of May, 2022.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic
“Leavitt Path Algebras and their Generalizations: Where Dynamics, Algebra,
Analysis and Combinatorics Meet”

held online. Given this 20th day of April, 2022.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

“Digit Systems over Formal Laurent Series”

held online. Given this 23rd day of March, 2022.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

“Invariant Ideals in Leavitt Path Algebras”

held online. Given this 23rd day of February, 2022.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

"From Yangians to XXX Spin Chains"

held online. Given this 19th day of January, 2022.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

for his/her participation in the MSU-IIT Seminar in Algebra with the topic

"Galois Points and Related Topics"

held online. Given this 30th day of November, 2021.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

For his/her participation in the MSU-IIT Seminar in Algebra with the topic

"Groupoids Rings and Algebras"

held online. Given this 27th day of October, 2021.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

For his/her participation in the MSU-IIT Seminar in Algebra with the topic

"Graph algebras, their grading, and the Graded Classification Conjecture"

held online. Given this 22nd day of September, 2021.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

For his/her participation in the MSU-IIT Seminar in Algebra with the topic

"Introduction to Leavitt Path Algebras"

**held online on September 20-21, 2021. Given this 21st
day of September, 2021.**


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MSU-Iligan Institute of Technology

Department of Mathematics and Statistics



awards this

CERTIFICATE OF PARTICIPATION

to

Allan N. Cano

For his/her participation in the MSU-IIT Seminar in Algebra with the topic
"Invariant Differential Operators and Noether's Theorem"
held online. Given this 25th day of August, 2021.


Randy L. Caga-anan, PhD
Department Chairperson


Jocelyn P. Vilela, PhD
Organizing Committee Chair



MATHEMATICAL SOCIETY of the PHILIPPINES

Regions 10, 12 and BARMM

in cooperation with

CENTRAL MINDANAO UNIVERSITY

presents this

CERTIFICATE OF PARTICIPATION


to

Allan N. Cano

for having actively participated in its

***15th Annual Convention
and 1st Virtual Conference***

held online. Given this 30th day of October 2021.


JULIUS V. BENITEZ, Ph.D.
President, MSP-10, 12 & BARMM


CHERRY MAE R. BALINGIT, Ph.D.
Convention Chair



Mindanao State University-
Iligan Institute of Technology
College of Science and Mathematics



awards this

CERTIFICATE OF APPRECIATION

to

Allan N. Cano

for his/her participation in the

College of Science and Mathematics Research and
Extension Moments (CREM)
Webinar Series

with the topic

**“Making Use of Differential Equations: COVID-19
Simulations from Vaccination to School Opening”**

held online. Given this 5th day of August 2021.


Ephrime B. Metillo, Ph.D.

Dean

College of Science and Mathematics



award this

CERTIFICATE of PARTICIPATION

to

Allan N. Cano

for his/her active participation in the

2021 Research WebCon in MATHEMATICS and STATISTICS

on July 09 via Zoom and Facebook Live.

A stylized black ink signature of Randy L. Caga-anan.

Randy L. Caga-anan, PhD

Chairperson

Department of Mathematics and Statistics
MSU – Iligan Institute of Technology

A stylized black ink signature of Julius V. Benitez.

Julius V. Benitez, PhD

President

Mathematical Society of the Philippines
Regions 10, 12, and ARMM

A stylized black ink signature of Daisy Lou Lim-Polestico.

Daisy Lou Lim-Polestico, PhD

Board Member

Southern Philippines Society of
Theoretical and Applied Statistics



MATHEMATICAL SOCIETY OF THE PHILIPPINES

CERTIFICATE OF PARTICIPATION

is presented to

Allan N. Cano

for participating in the

2021 MSP Annual Convention

an event held online on
May 15, 22 and 29, 2021.


Jose Maria L. Escaner IV
Chair, Organizing Committee
2021 MSP Annual Convention


Carlene P.C. Pilar-Arceo
Co-Chair, Organizing Committee
2021 MSP Annual Convention



Department of Science and Technology
Science Education Institute
and
Accelerated Science and Technology
Human Resource Development Program
- National Science Consortium

CERTIFICATE OF ATTENDANCE

is given to

Allan N. Cano

for attending the

**ASTHRDP GRADUATE
SCHOLARS CONFERENCE**

Year 9

with the theme:

***"ASTHRDP: Science, Technology and
Innovation Towards Achieving
Sustainable Development Goals"***

held on November 26-27, 2020

Glenn V. Alea

GLENN V. ALEA, Ph. D
Conference Chair
ASTHRDP-NSC Steering Council

Fabian M. Dayrit

FABIAN M. DAYRIT, Ph. D
Chairman
ASTHRDP-NSC Steering Council

Josette T. Biyo

JOSETTE T. BIYO, Ph. D
Director
Science Education Institute





CERTIFICATE of PARTICIPATION

This certificate is awarded to

ALLAN N. CANO

for his/her attendance in the

2020 MINDANAWAN MATH-STAT INTERNATIONAL WEBCON

on November 4, 11, and 18, 2020 via Zoom and Facebook Live.

Randy L. Caga-anan, PhD

Chairperson

Department of Mathematics and Statistics
MSU – Iligan Institute of Technology

Cherry Mae R. Balingit, PhD

Chairperson

Department of Mathematics
Central Mindanao University

Julius V. Benitez, PhD

President

Mathematical Society of the Philippines
Regions 10, 12, and ARMM

Daisy Lou Lim-Polestico, PhD

Board Member

Southern Philippines Society of
Theoretical and Applied Statistics




MATHEMATICAL SOCIETY OF THE PHILIPPINES

CERTIFICATE OF APPEARANCE

This is to certify that Allan N. Cano appeared and attended the 2019 Summer Upgrading Program for Mathematics Teachers (SUPMaT) held on 30 May – 01 June 2019 at Mindanao State University, General Santos City, South Cotabato.

This certification is issued on 01 June 2019 at Mindanao State University, General Santos City, South Cotabato for whatever purpose it may serve.

Respectfully yours,


Jose Maria L. Escaner IV, Ph.D.
Program Director
2019 SUPMaT

Republic of the Philippines
Mindanao State University
Office of the Vice President for Academic Affairs
Office of the Vice Chancellor for Academic Affairs
MSU - Senior High School

award this

Certificate of Participation

to

Allan Cana

for having actively participated in the ECHO-TRAINING ON SENIOR HIGH SCHOOL CURRICULUM CONTENT AND STRATEGIES FOR SHS TEACHERS with the theme *"Capacitating SHS teachers towards effective implementation of K-12 program"* held on July 26-29, 2016 at the CHARM Pavilion, MSU, Marawi City.

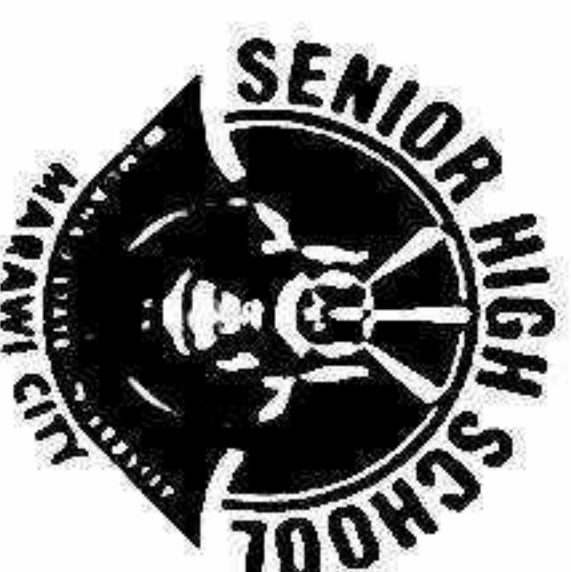
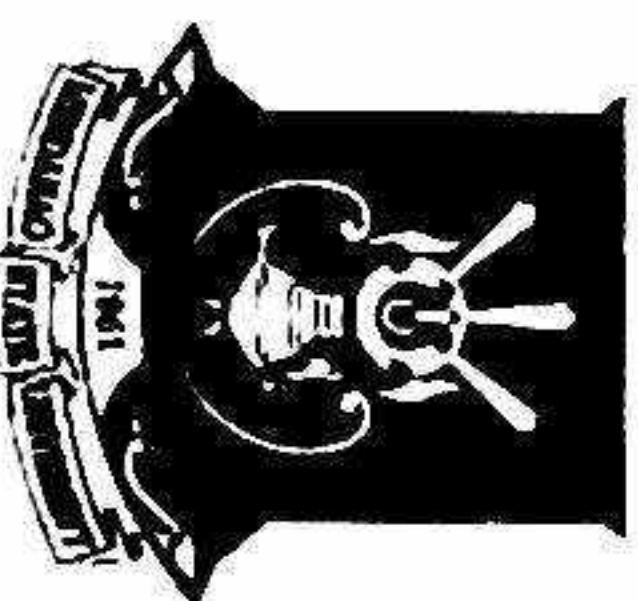
Given this 29th day of July, 2016.

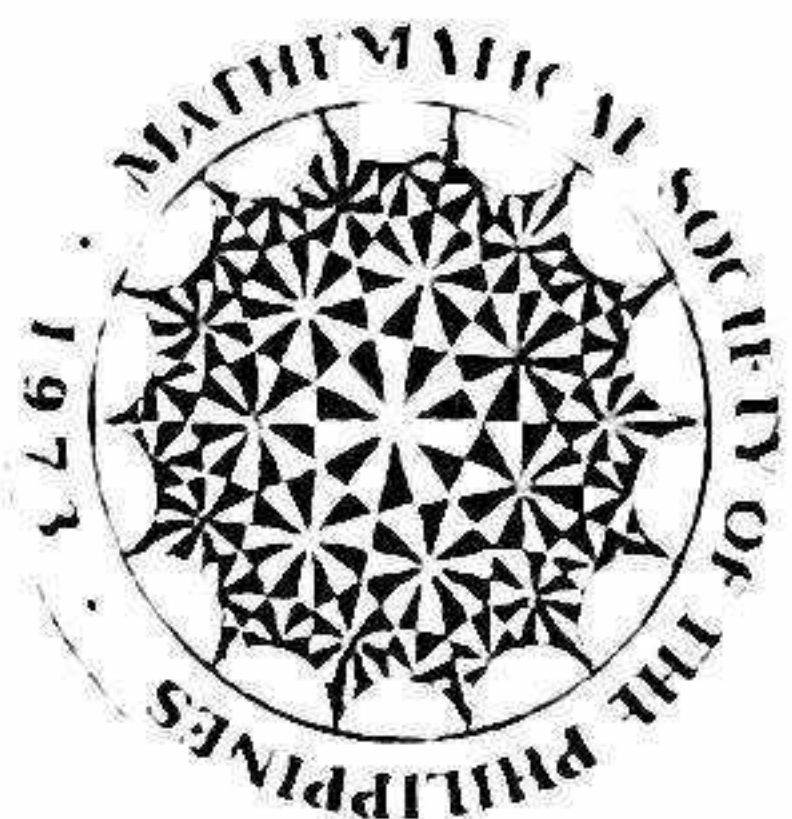
Shamseda A. Tabao
SHAMSEDA A. TABAO, Ph.D.
Director, MSU-Senior High School

Alma E. Berowa

ALMA E. BEROWA, Ph.D.
Vice President for Academic Affairs

Mariam M. Diron
MARIAM M. DIRON, Ph.D.
Vice Chancellor for Academic Affairs





The Mathematical Society of the Philippines

presents this

Certificate of Appreciation

to

Atan M. Cano

for the oral presentation of the paper entitled

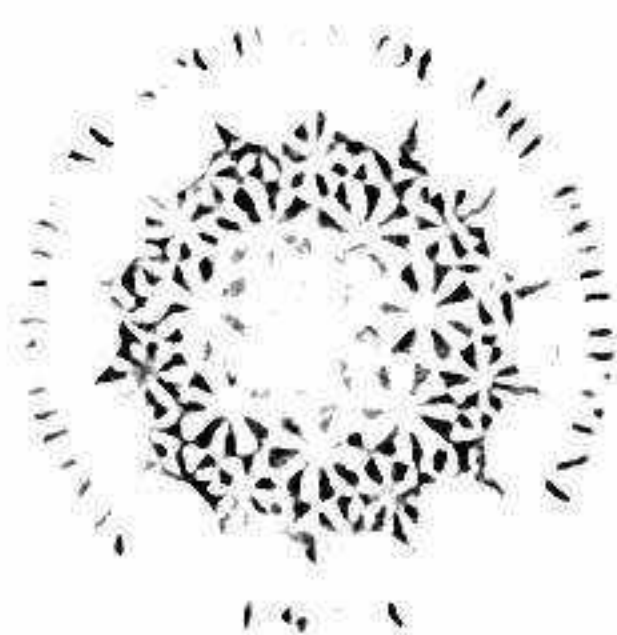
ON THE IDEAL THEORY IN QUOTIENTS OF COMMUTATIVE TERNARY SEMRINGS

*during the 2014 MSP Annual Convention held on May 26 – 27, 2014
at Sarabia Manor Hotel and Convention Center, Iloilo City.*

Junela Samant
Junela F. Sarmiento
MSP President

Kristine Joy E. Carpio
Kristine Joy E. Carpio
Convention Chair

Mylene S. Calibjo
Mylene S. Calibjo
Convention Co-Chair



*The Mathematical Society
of the Philippines*

hereby awards this

Certificate of Participation

to

Allan N. Cano

for having attended as an officially registered participant in the

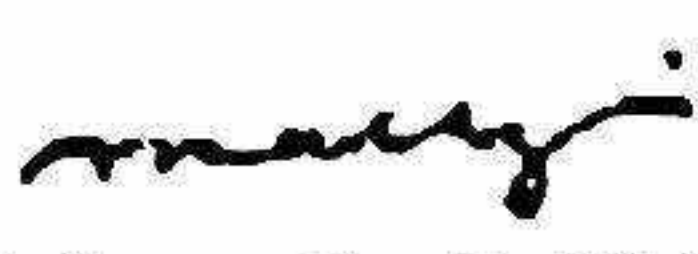
2014 MSP Annual Convention

held on May 26 - 27, 2014

at Sarabia Manor Hotel and Convention Center, Iloilo City.


Jumela F. Sarmiento
MSP President


Kristine Joy E. Carpio
Convention Chair


Mylene S. Calibjo
Convention Co-Chair



Mathematical Society of the Philippines

awards this

Certificate of Participation


to
SOCIETY OF
Allan N. Cano

for actively participating in the
2019 Summer Upgrading Program for
Mathematics Teachers (SUPMaT)

held on May 30, 31 and June 1, 2019
at Mindanao State University, General Santos City

Given this 1st day of June, 2019
at Mindanao State University, General Santos City


JOSE MARIA E. ESCANER, IV
Program Director


EMMANUEL A. CABRAL, Ph.D.
MSP President