



**PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS**  
INTEGRATED ASSOCIATION OF MECHANICAL ENGINEERS  
PRC Certificate of Accreditation No. AIPO n 004

presents this

## **CERTIFICATE OF COMPLETION**

**NATCON-2018-0372**

to

**JAKE ERNEST BINUEZA**

for actively participating in the following seminar/s:

1. Plant Tour (1 point)
2. Comparative Study of Pressure Drops on a Micro Expansion Device for the Development of a Mini Vaccine Carrier Kit(1 point)
3. Biogas Production Utilizing Vegetable Wastes Prevalent in Cagayan De Oro City Public Markets(1 point)
4. Project Information Management System (1 point)
5. Engineering Design Optimization: Integrating Microalgal Plant to an Industrial Process for Carbon Reduction(1 point)
6. Process Thermal Reduction Gasification to Hydrogen and Electricity from Solid Waste (1 point)
7. PRC Implementation of RA 10912 (1 point)
8. Recycling High-Density Polyethylene (HDPE) and Polyethylene Terephthalate(PET) Plastics of Alubijid, Misamis Oriental into Plastic Slab using Solar Furnace(1 point)
9. The Digital Mechanical Engineers – Next-Gen Engineers(1 point)
10. DOLE and DOE (1 point)
11. HVAC Design Method using Psychrometric Calculation Leading to A / C Equipment Selection(1 point)
12. Boiler Sizing (1 point)
13. Energy Efficiency Improvement for Boiler Systems - Possibilities for the Improvement of Energy Efficiency in Terms of Steam Generation(1 point)
14. Maintenance Concepts & Current Trends (1 point)
15. Adapting M V A C Best Practices (1 point) for Philippine Air Conditioning Systems
16. The Ecological Solid Waste Management Act of 2000, RA 9003 IRR (1 point)
17. Calculation Methods for Egress Prediction (1 point)
18. Means of Egress of Life Safety Code (1 point)
19. BFP Programs and Updates (1 point)
20. Professional Practice Workshop (1 point)
21. Motivational talk (1 point)
22. Innovation and Entrepreneurship (1 point)
23. Report on Workshop Proceedings Plenary Hall (CPD Subject Matter Meeting) (1 point)
24. General Membership Meeting (CPD Subject Matter Meeting) (1 point)

Total CPD Credit Units: 24

held on October 17 -20, 2018 during the 66th PSME National Convention  
at SMX Convention Center, Mall of Asia, Pasay City, Philippines.  
Given this 20th day of October 2018 in the City of Pasay, Philippines.

  
NARDITO M. CORNELIO, JR.

National VP - Technical

  
LEONARDO M. COMETA  
66th National Convention Chairman

  
ROGELIO G. REYES  
2018 PSME National President



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ENGINEERS**

INTEGRATED ASSOCIATION OF MECHANICAL ENGINEERS

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**CERTIFICATE OF COMPLETION**

**NATCON-2017-1495**

to

**JAKE ERNEST P. BINUEZA**

for actively participating on the following seminar/s:

1. Absorption Refrigeration (2 Hours)
2. The Mechanical Engineer and the Technology Leap, Innovations, Convergent Business Models and Disruptions (1 Hour)
3. Introduction to Digital Transformation - Smart Manufacturing (1 Hour)
4. Design and Operational review of CO2 fire fighting protection system of ICCPP gas turbine enclosure (1 Hour)
5. The design innovation of pyrolyzer and thermal gasification on the recycle waste plastic, rubber and styrofoam to fuel conversion and landfill remediation (1 Hour)
6. POWERCON (3 Hours)
7. Introduction to Energy Management System (1 Hour)
8. The Mechanical Engineer As A Safety Engineer (1 Hour)
9. Development Of Vibrating Membrane Non-Bladed Turbine For Micro-Power Generation (1 Hour)
10. Fire Code of the Philippines (1 Hour)
11. FIRECON (2 Hours)
12. Report on Workshop Proceedings Plenary Hall (CPD Subject Matter Meeting) (1 Hour)
13. General Membership Meeting (CPD Subject Matter Meeting ) (1 Hour)

Total CPD Credit Units: 17

held on October 18-21, 2017 during the 65th PSME National Convention  
at SMX Convention Center, Mall of Asia, Pasay City, Philippines.

Given this 21st day of October 2017 in the City of Pasay, Philippines.

  
**NARDITO M. CORNELIO, JR.**  
National VP - Technical

  
**REYMUNDO V. CRUZ**  
65th Convention Chairman

  
**ROGELIO G. REYES**  
2017 National President



**PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS**

**Ormoc – Kananga Chapter**

Accredited PRC No. AIPO-004  
Professional Regulation Commission  
P.O.Box 151 Ormoc City 6541  
[psme.ormockanangachapter@gmail.com](mailto:psme.ormockanangachapter@gmail.com)



## **CERTIFICATE OF APPEARANCE**

This is to certify that

JAKE ERNEST P. BINUEZA

has attended the

**2018 PSME-OKC GENERAL MEMBERSHIP MEETING AND the 1<sup>st</sup> PSME-OKC  
TECHNICAL CONFERENCE**

conducted by the Philippine Society of Mechanical Engineers – Ormoc Kananga  
Chapter

on July 28 – 29, 2018 at Sutuwaki Restaurant, Ormoc City.

This program is accredited by the CPD Council for Mechanical Engineers with a  
program accreditation number 2012-001-288.

  
**Engr. Jestoni G. Basmayor**

1<sup>st</sup> PSME-OKC Technical Conference Chairman

  
**Engr. Adrian Rey U. Apas**

2018 PSME-OKC President





Republic of the Philippines  
Office of the President  
**COMMISSION ON HIGHER EDUCATION**

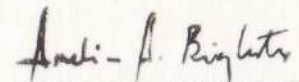


## **CERTIFICATE OF PARTICIPATION**

*is hereby given to*

JAKE ERNEST P. BINUEZA

for participating in the  
“Zonal Public Orientation on the Policies, Standards and Guidelines  
for BS Civil Engineering, BS Geodetic Engineering, BS Mechanical  
Engineering and BS Sanitary Engineering Programs” held at the  
Grand Regal Hotel, Lanang, Davao City on December 6, 2017.

  
**AMELIA A. BIGLETE**

Director IV, OPSD