

CURRICULUM VITAE

Dr. MARLON D. MATA, PME, RMP, ACPE

- Ph.D. in Technology Management,
- Master of Engineering major in
- Mechanical Engineering (M.Eng'g-ME.),
- Professional Mechanical Engineer (PME),
- Registered Master Plumber (RMP),
- Plumbing Engineer (PE-PSPE),
- ASEAN Chartered Professional Engineer
(Fire Protection, Plumbing, and HVAC/R Engineering)



Residential Address:	Pulang Yuta, Looc, Danao City, Cebu
Mobile:	09451276282
Email Address:	marlonmata01@gmail.com
Date of Birth:	April 2, 1993
Age:	33 yrs old
Nationality:	Filipino
Civil Status:	Married

CAREER OBJECTIVE

Licensed Professional Mechanical Engineer, Plumbing Engineer, and ASEAN Chartered Professional Engineer with extensive experience in academe, engineering consultancy, research, and mechanical systems design. Seeking to contribute technical expertise, leadership, and innovative problem-solving skills in an organization committed to excellence, sustainable engineering, and technological advancement, while continuously pursuing professional growth and impactful engineering solutions in HVAC/R, plumbing, fire protection, and multidisciplinary engineering projects.

EDUCATION HISTORY

2024-2026	University of the Philippines (UP) Open University, Los Banos, Laguna <i>Ongoing, Graduate Diploma in Science Teaching major in Physics</i>
2020-2022	Cebu Technological University-Danao City Campus, Danao City, Cebu <i>Graduated, Doctor of Philosophy in Technology Management (Ph.D.TM.), 1.0 GWA. with 1.0 as Highest</i>
2017-2020	Cebu Institute of Technology-University, N.Bacalso St., Cebu City, Cebu <i>Graduated, Master of Engineering major in Mechanical Engineering (M.Eng'g-ME.), 4.44 GWA. with 5.0 as Highest</i>
2014-2016	Cebu Technological University-Danao City Campus, Danao City, Cebu

*Graduated, Bachelor of Science in Mechanical Engineering
(BSME)-Student Regent
-"Outstanding Leadership Awardee"
-"Systemwide Excellence in Leadership Awardee"
-"University Presidential Leadership Awardee"*

2011-2014	Cebu Technological University-Danao City Campus, <i>Danao City, Cebu Graduated, Associate in Mechanical Engineering with specialization in Automotive, Machine Shop, Power Plant, and Refrigeration and Air-Conditioning (AME) -"Proficient Student"</i>
2005-2009	Maslog National High School, Maslog, Danao City, Cebu <i>High School Certificate- "with Honors"</i>
1999-2005	Danao City Central School, F.Ralota St., Danao City, Cebu <i>Elementary Certificate</i>

COMMUNITY INVOLVEMENT & RECOGNIZED ACHIEVEMENTS

2025	PSIM National AWARD for RESEARCH AND INNOVATION, Pambansang Samahan ng Inhenyero Mekanikal (PSIM)
2025	Professional Member, American Society of Mechanical Engineers
2025	Associate Member, National Research Council of the Philippines
2024	Registered ASEAN Chartered Professional Engineer with Specialization of HVAC/R and Fire Protection Engineering
2024	PSIM National AWARD for EDUCATION, Pambansang Samahan ng Inhenyero Mekanikal (PSIM)
2024	Auditor/BOD, Pambansang Samahan ng Inhenyero Mekanikal (PSIM)-Cebu Chapter
2023	Passed, December 2023 PME Technical Upgrading Licensure Exam
2023	North Cebu Unit Head, Pambansang Samahan ng Inhenyero Mekanikal (PSIM)-Cebu Chapter
2022	Member, Pambansang Samahan ng Inhenyero Mekanikal (PSIM)-Cebu
2021	Member, Pambansang Samahan ng Inhenyero Mekanikal (PSIM)-Cebu
2020-2026	BOD, Philippine Society of United Master Plumbers-Cebu Chapter
2020	BOD, CTU-Danao Alumni Association Inc.
2019	Member, International Association of Engineers (IAENG)
2019	Member, Philippine Integrated Fire Protection Organization (PIFPO)
2019	Member, Philippine Society of United Master Plumbers-Cebu Chapter
2019	Member, Philippine Society of Plumbing Engineers (PSPE)

2019	Member, Mechanical, Electrical, Plumbing, Fire Protection (MEPF) Engineer Organization of the Philippines
2017	Member, Philippine Society of Mechanical Engineers-Mandaue Chapter
December 2018	Passed, Competency Assessment on SMAW NC I and SMAW NC II
September 2018	Passed, Competency Assessment on Pipefitting NC II
July 2018	Passed, Licensure Exam for Master Plumbers
September 2016	Passed, Licensure Exam for Mechanical Engineers
March 2016	Graduated, BSME with Outstanding Leadership Award, Excellence in Leadership Award, and Presidential Leadership Award.
June 2015	Completed 400hrs OJT with a grade of (1.1) at Coca-Cola FEMSA Phils., Inc.-Cebu Plant
2015-2016	Student Regent of CTU Board of Regents
2015-2016	Elected as President of Federation of Student Councils and Leaders- CTU system Inc.
2014-2016	Elected as President of Supreme Student Government of CTU-Danao
2015-2016	Board Member, Student Accident Funds System
October 2015	Champion, PSME-Mandaue Chapter Eng'g Design Contest
October 2015	3 rd Place, PSME-Mandaue Chapter Eng'g Quizbowl Contest
2014-2015	Gold Medallist-Champion,-Oregon-Oxford Debate
2013-2014	Graduated, Assoc. In Mechanical Engineering as a Proficient Student
2013-2014	Chairman, Research and Development of Mechanical, Civil, Electrical, Engineering Society
2013-2014	1 st Placer, Engineering Quiz Bowl
2013-2014	2 nd runner-up, CTU Engineering Investigatory Project "Proposals for Improvements of Electric Hybrid Cars"
2013-2014	Finalist, Mathematician of the Year
2012-2013	Vice President of CTU Engineering Society
2012-2013	1 st Runner-up, CTU engineering Investigatory Project "Geo-Natural Electric Generator"
2012-2013	1 st Placer, Engineering Quiz Bowl
2012-2013	Finalist, Mathematician of the Year

2008-2009

President Gloria Macapagal Arroyo Awardee; Outstanding achievement in Science and Technology

WORK EXPERIENCES, LICENSES, CERTIFICATIONS, AND OTHER SKILLS

Work Experiences:

- Maintenance Engineering OJT, Coca-Cola Beverages Philippines, Inc. (March 2015-June 2015)
- Operations Supervisor, FoodBev International Co. (November 2, 2016 - March 21, 2017)
- Sales Executive, HR&F Equipment International (April 17, 2017 – June 15, 2017)
- Mechanical Engineering Professor and Department Chairman, Cebu Technological University-Danao (Nov 2017-Present)
- Owner and Principal Mechanical Design Engineer, MDMATA Eng'g Consultancy and Designing Services for Commercial HVAC with DUCTING, Residential MVAC, Mechanical Fire Protection Plans (Automatic Fire Sprinkler Systems, Dry Standpipe System, Auto-Wet Standpipe Systems, Fire Smoke Control, Stairwell Pressurization), Plumbing, Passenger Lifts and Escalators, and Sewage Treatment Plant Design (Apr. 2018 - Present)

CORE COMPETENCIES:

- HVAC/R System Design
- Fire Protection Engineering
- Plumbing & Sanitary Design
- Mechanical System Design
- Sewage Treatment Plant Design
- Pump & Piping System Design
- Cooling Load Calculations
- Stairwell Pressurization
- Building Information Modeling (BIM)
- Engineering Research & Publication
- Project Supervision & Technical Leadership
- AutoCAD & Revit MEP
- CFD & FEA Simulation
- Engineering Education & Training
- Technical Documentation & Consultancy

Certifications and Licenses:

- ASEAN Chartered Professional Engineer Lic no. ACPE-08127/PH
- PRC Professional Mechanical Engineer Lic no. 0006026
- PRC Mechanical Engineer Lic no. 0094764
- PRC Master Plumber Lic no. 0012273
- PSPE-Plumbing Engineer PE no. 0674
- TESDA Pipefitting NCII
- TESDA SMAW NC I and SMAW NC II
- LTO Driver's License

Language Skills:

- Visayan-(Native Tongue)
- Filipino
- English-(Fluent)

**Owner & Principal Mechanical Design Engineer
MDMATA Engineering Consultancy & Designing Services
2018–Present****Specializations:**

- Commercial HVAC with ducting systems
- Residential MVAC systems
- Mechanical fire protection systems
- Plumbing and sanitary systems
- Passenger elevator and escalator systems
- Sewage treatment plant design
- Technical Documentation & Consultancy

Intellectual Property Office of the Philippines (IPOPhil)- Bureau of Patents:

Type/Role : Industrial Design/Main Designer
Published on : 08 August 2022, VOL 25 NO 091
Patent no. : 3/2021/050373
Title : Automatic Temperature Sensor and Alarm System

Type/Role : Industrial Design/Main Designer
Published on : 03 September 2021, VOL 24 NO 100
Patent no. : 3/2021/050376
Title : AMPHIBIOUS CAR

Type/Role : Industrial Design/Main Designer
Published on : 10 November 2021, VOL 24NO 128
Patent no. : 3/2021/050375
Title : MECHANICAL SPEED HUMP ENERGY HARVESTER

Type/Role : Industrial Design/Co-Designer
Published on : 10 November 2021, VOL 24NO 128
Patent no. : 3/2021/050359
Title : CHEMISTRY TEACHING AID KIT ON ATOMIC STRUCTURE OF REPRESENTATIVE ELEMENTS

Type/Role : Utility Model/Co-Author
Published on : 2 October 2019, VOL 22 NO 105
Patent no. : 2/2019/001069
Title : COMPOSITION OF WOOD PUTTY

Type/Role : Industrial Design/Main Designer
Published on : 07 August 2024, VOL 27 NO 087
Patent no. : 3/2024/050313
Title : Sola-Powered Piston-Driven Nebulizer

Type/Role : Industrial Design/Main Designer
Published on : 07 August 2024, VOL 27 NO 087
Patent no. : 3/2024/050314
Title : Solar-Powered Cassava Dryer

Type/Role : Industrial Design/Main Designer
Published on : 17 July 2024, VOL 27 NO 079
Patent no. : 3/2024/050309
Title : Nutrient Film Technique Hydroponics (Slope of 5%)

Type/Role : Industrial Design/Main Designer
Published on : 17 July 2024, VOL 27 NO 079
Patent no. : 3/2024/050308
Title : Nutrient Film Technique Hydroponics (Slope of 1%)

Type/Role : Industrial Design/Main Designer
Published on : 07 August 2024, VOL 27 NO 087
Patent no. : 3/2024/050310
Title : Nutrient Film Technique Hydroponics (10-Channel Pyramidal Structure)

Type/Role : Industrial Design/Main Designer
Published on : 04 October 2024, VOL 27 NO 111
Patent no. : 3/2024/050312
Title : Banana Peduncle Shredder and Bunch Separator

Type/Role : Utility Model/ Co-Author
Published on : 18 October 2024, VOL 27 NO 117
Patent no. : 2/2024/050234
Title : Composition of Pollution-Absorbing Ceramic Wall Brick with Oyster Shell

Type/Role : Utility Model/ Co-Author
Published on : 18 October 2024, VOL 27 NO 117
Patent no. : 2/2024/050235
Title : Composition of Thermal Wall Insulating Brick with Silt Clay and Saw Dust

Type/Role : Utility Model/ Co-Author
Published on : 18 October 2024, VOL 27 NO 117
Patent no. : 2/2024/050237
Title : Composition of Pollution-Absorbing Ceramic Wall Brick with Egg Shell

Type/Role : Utility Model/ Co-Author
Published on : 18 October 2024, VOL 27 NO 131
Patent no. : 2/2024/050243
Title : COMPOSITION OF MAKING PAVEMENT CLAY BRICK WITH CORN HUSK

Research Publication(s):

Type/Role : Research Publication/Co-author
Published on : Volume 14 Issue 19

ISSN no. : MDPI-Sustainability (ISSN 2071-1050),
<https://doi.org/10.3390/su141912499>
Title : Complex Cause-Effect Relationships of Social Capital, Leader-Member Exchange, and Safety Behavior of Workers in Small-Medium Construction Firms and the Moderating Role of Age

Type/Role : Research Publication/Main-Author
Published on : Volume 10, 2024, 100967
ISSN no. : Science Direct (Elsevier)-SSHO
<https://doi.org/10.1016/j.ssaho.2024.100967>
Title : Exploring technology acceptance model with system characteristics to investigate sustainable building information modeling adoption in the architecture, engineering, and construction industry: The case of the Philippines

Type/Role : Research Publication/Co-author
Published on : Volume 5 Issue 5 (April 6, 2015)
ISSN no. : 2734-9314 (HO CHI MINH CITY OPEN UNIVERSITY JOURNAL OF SCIENCE – ECONOMICS AND BUSINESS ADMINISTRATION)
Title : Factors influencing pneumatic precision corn planter adoption in the Philippines: An empirical study using the Technology Acceptance Model (TAM) and Partial Least Squares Structural Equation Modeling (PLS-SEM)

Type/Role : Research Publication/Co-author
Published on : Sr no. 2 (April 6, 2015)
ISSN no. : 978-989-9121-63-8 (6th CEBU International Congress on Science, Engineering, Social Sciences & Education) <https://doi.org/10.17758/URUAE32>
Title : Characterization and Emission Control Potential of Shell-Based Sorbents in Internal Combustion Engine Exhaust System)

CPD, Seminars and Trainings Attended:

Title of CPD	DIFFERENT CRANE FEATURES AND ITS OPERATIONAL SAFETY
Name of accredited Provider	PAMBANSANG SAMAHAN NG INHENYERO MEKANIKAL INC.
Address of Provider	CEBU CITY
Inclusive Date/s	October 01, 2022
Credit Unit/s	4.00

Title of CPE	BASIC COOLING AND BOILER WATER TREATMENT
Name of accredited Provider	PAMBANSANG SAMAHAN NG INHENYERO MEKANIKAL INC.
Address of Provider	CEBU CITY
Inclusive Date/s	April 29, 2023
Credit Unit/s	3.00

Title of CPE	(PSIM) 2ND VISAYAS REGIONAL CONFERENCE
Name of accredited Provider	PAMBANSANG SAMAHAN NG INHENYERO MEKANIKAL INC.
Address of Provider	CEBU CITY
Inclusive Date/s	June 10, 2023
Credit Unit/s	12.00

Title of CPE	(PSIM) 3RD NATIONAL CONVENTION			
Name of accredited Provider	PAMBANSANG	SAMAHAN	NG	INHENYERO
MEKANIKAL INC.				
Address of Provider	CEBU CITY			
Inclusive Date/s	September 28-30, 2023			
Credit Unit/s	24.00			

Title of CPE	BOILER AND COOLING TOWER WATER TREATMENT BEST	PRACTICES		
Name of accredited Provider	PAMBANSANG	SAMAHAN	NG	INHENYERO
MEKANIKAL INC.				
Address of Provider	CEBU CITY			
Inclusive Date/s	September 16, 2023			
Credit Unit/s	3.00			

Title of CPE	CONDUCT OF INSPECTION AND ISSUANCE OF ORDER OF PAYMENT AND PERMITS			
Name of accredited Provider	PAMBANSANG	SAMAHAN	NG	INHENYERO
MEKANIKAL INC.				
Address of Provider	CEBU CITY			
Inclusive Date/s	December 9, 2023			
Credit Unit/s	4.00			

Title of CPE	STAIRWELL PRESSURIZATION CALCULATION FOR A 10-STOREY UNIVERSITY BUILDING			
Name of accredited Provider	PAMBANSANG	SAMAHAN	NG	INHENYERO
MEKANIKAL INC.				
Address of Provider	CEBU CITY			
Inclusive Date/s	March 16, 2024			
Credit Unit/s	3.00			

Title of CPE	Pambansang Samahan ng Inhenyero Mekanikal (PSIM) 1st Cebu Inhenyero Mekanikal Conference (CebIMCon)			
Name of accredited Provider	PAMBANSANG	SAMAHAN	NG	INHENYERO
MEKANIKAL INC.				
Address of Provider	CEBU CITY			
Inclusive Date/s	August 13-14, 2024			
Credit Unit/s	15.00			

Title of CPE	PSME Mandaue Chapter 2nd General Membership Meeting & Technical Seminars			
Name of accredited Provider	Philippine Society of Mechanical Engineers Inc.			
(PSME)	Address of Provider	CEBU CITY		
	Inclusive Date/s	September 14, 2024		
	Credit Unit/s	3.00		

Title of CPE	Pambansang Samahan ng Inhenyero Mekanikal (PSIM) 4th National Convention			
Name of accredited Provider	PAMBANSANG	SAMAHAN	NG	INHENYERO
MEKANIKAL INC.				
Address of Provider	CEBU CITY			
Inclusive Date/s	September 17-19, 2024			
Credit Unit/s	24.00			

Title of CPE Technical Seminar on "Bureau of Working Condition (BWC) Major Scope of Works Inspection of Establishments and Corresponding Requirements"
Name of accredited Provider PAMBANSANG SAMAHAN NG INHENYERO
MEKANIKAL INC.

Address of Provider CEBU CITY
Inclusive Date/s December 18, 2024
Credit Unit/s 4.00

Title of CPE Pambansang Samahan ng Inhenyero Mekanikal (PSIM) Cebu Chapter
3rd General Membership Meeting and Technical Seminar
Name of accredited Provider PAMBANSANG SAMAHAN NG INHENYERO
MEKANIKAL INC.

Address of Provider CEBU CITY
Inclusive Date/s October 11, 2025
Credit Unit/s 2.00

Title of CPE Pambansang Samahan ng Inhenyero Mekanikal (PSIM) Cebu Chapter
4th General Membership Meeting and Technical Seminar
Name of accredited Provider PAMBANSANG SAMAHAN NG INHENYERO
MEKANIKAL INC.

Address of Provider CEBU CITY
Inclusive Date/s December 7, 2025
Credit Unit/s 2.00

Title of CPE Pambansang Samahan ng Inhenyero Mekanikal (PSIM) 3rd Cebu
Inhenyero Mekanikal Conference (CebIMCon)
Name of accredited Provider PAMBANSANG SAMAHAN NG INHENYERO
MEKANIKAL INC.

Address of Provider CEBU CITY
Inclusive Date/s May 15-17, 2026
Credit Unit/s 10.50

Non-CPD, Seminars and Trainings Attended:

Title : Revit MEPF (BIM)
Date : May 31 - July 5, 2026
Venue : Zoom (Virtual)
Organizer : Microcadd Institute, Inc.

Title : Establishing & Operating Micro-Small Medium Enterprises (MSMEs)
Date : December 26, 2025
Venue : Zoom (Virtual)
Organizer : Technical Education and Skills Development Authority

Title : ENERGY AUDITOR CERTIFICATION COURSE
Date : December 5, 2025 to December 11, 2025. (52 HRS)
Venue : oom (Virtual)
Organizer : J3 TRAINERS AND CONSULTANTS, INC.

Title : Different Crane Features and Its Operational Safety
Date : September 25, 2022
Venue : Sacred Heart Center, D. Jakosalem St., Cebu City.

Organizer : PSIM-Cebu Engr. Nemar S. Quijano, PME
 Title : Scientific Writing and Publication Seminar-Workshop
 Date : November 16-17, 2021
 Venue : Zoom
 Speaker : Dr. Pet Roel L. Pascual

Title : 8th Mechanical Engineering Week
 Date : October 13-15, 2021
 Venue : Zoom
 Speaker : PSME-Mandaue Chapter

Title : Patent Drafting Seminar
 Date : March 8-12, 2021
 Venue : San Remigio, Cebu
 Speaker : Cebu Technological University-Danao

Title : 67th PSME National Convention
 Date : Oct. 16-19, 2019
 Venue : SMX-MOA, Pasay City
 Speaker : Varied

Title : Faculty-Industry Immersion
 Date : April 22-26, 2019
 Venue : MinebeaMitsumi
 Speaker : MinebeaMitsumi

Title : Patent Drafting Seminar
 Date : April 22-26, 2019
 Venue : Cebu Technological University, Cebu City, Cebu
 Speaker : IPOPHIL

Title : 9th International Mechanical Engineering Research Conference
 Date : Jan 24-25, 2019
 Venue : University of San Carlos – Talamban Campus
 Speaker : Nobumasa Sekishita, Ph.D.

Title : Project Management Professional Seminar
 Date : Oct. 19-23, 2018
 Venue : Cuatro Hotel, Capitol Site, Cebu City, Cebu
 Speaker : Engr. Cornellio G. Duaso, EE, PME, Ph.D., Ed.D.

Title : Shielded Metal Arc Welding (SMAW) NC II
 Date : Oct. 17-Dec. 8, 2018
 Venue : Cebu Science of Welding and Skills Technology, Inc. (CSWSTI)
 Building :
 Speaker : Cebu Science of Welding and Skills Technology, Inc. (CSWSTI)

Title : Pipefitting NC II & Shielded Metal Arc Welding (SMAW) NC I
 Date : Jul. 7-Oct. 16, 2018
 Venue : Cebu Science of Welding and Skills Technology, Inc. (CSWSTI)
 Building :

Speaker : Cebu Science of Welding and Skills Technology, Inc. (CSWSTI)
 Title : Mechanical Engineers and Logistics
 Date : April 7, 2018
 Venue : Reception Hall, SMC Complex, Highway, Tipolo, Mandaue City, Cebu
 Speaker : Engr. Siegfried Sia, PME

Title : Engineering Works, Design, Calculation, and Erection of API 620 12th Ed. Storage Tank
 Date : April 7, 2018
 Venue : Reception Hall, SMC Complex, Highway, Tipolo, Mandaue City, Cebu
 Speaker : Engr. Jerome Vallente, PME

Title : Mechanical Engineers Transportation
 Date : September 23, 2017
 Venue : Reception Hall, SMC Complex, Highway, Tipolo, Mandaue City, Cebu
 Speaker : Engr. Siegfried Sia, PME

Title : Basic Plumbing System
 Date : September 23, 2017
 Venue : Reception Hall, SMC Complex, Highway, Tipolo, Mandaue City, Cebu
 Speaker : Engr. Joemarie Arib, PME

Title : Basic Occupational Safety and Health (BOSH)/ Total Productive Maintenance (TPM) Seminar
 Date : December 17, 2014
 Venue : CTU- Students Activity Center
 Speaker : Engr. Romeo J. Patalinghug/Engr. RosalitoJuda V. Eboa

Title : 5'S And Leadership Seminar
 Date : March 29, 2014
 Venue : Engr. Gideon Ballesteros, PME
 Speaker : CTU- Facility Centrum

Title : Lean Manufacturing
 Date : February 4, 2014
 Venue : CTU- Student Facility Center
 Speaker : Engr. RodulfuDakay, Jr.

Title : Leaders of Change Forum
 Date : August 12, 2015
 Venue : CTU- Main Roco Hall
 Speaker : Maria Iris V. Andrino, Aboitiz Executive Director

Title : 2D AutoCAD Course
 Date : 45 Hrs
 Venue : CTU- Danao
 Speaker : Dr. Garry L. DelaCerna

Title : 3RD MANDAUE MECHANICAL ENGINEERING WEEK TECHNICAL SEMINARS

- Officers Bearer Course
- Rules of Parliamentary Procedures
- Guidelines of PME, ASEAN, and APEC Engineer
- Fuji Electrical Variable and Frequency Drives
- Power Generation
- Biogas Power Generation
- Automation Studio
- Pneumatic and Hydraulic Valves
- Product Presentation
- Safety Personal Protective Equipments
- Fire Protective Design and Standards

Date : October 12-16, 2015
 Venue : Parkmall, Mandaue City, Cebu, Philippines
 Speaker : Engr. Jovani O. Barazon, PME.

PERSONAL COMPETENCIES

- Ability to work in a fast-paced environment to set deadlines
- Excellent oral and written correspondence with an exceptional attention to detail
- Highly organised with a creative flair for project work
- Enthusiastic self-starter who contributes well to the team
- Good Team Leading Skills

INTERESTS AND ACTIVITIES

- Basketball, Writing, Reading, and Photography

REFERENCES

Dr. Gideon R. Ballesteros, PME
 Packaging Superintendent, San Miguel Brewery Corp.
 Cell # 09228034280

Engr. Arsenio Bayarcal, RMP.
 Structural Engineer/Master Plumber
 Cell # 09255026593

Engr. Lucio Louelle Sanchez
 Professional Electrical Engineer
 Cell # 09178464993