



Made Arbi Parameswara

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EDUCATION

S.T. in Mechanical Engineering

Jul 2017 - May 2021 / Udayana University

- Graduated with Cumlaude
- GPA: 3.93/4.00

M.T. in Informatics, Data Science & Artificial Intelligent

Aug 2022 – Present / Bandung Institute of Technology

WORK EXPERIENCE

Research Assistant

May 2020 – May 2021 / Udayana University, Bali

- Set timelines and coordinated deliverables for research projects.
- Planned, modified and executed research techniques, procedures and tests.
- Performed validation and testing of mechanical (Autodesk Inventor) and electrical engineering (Proteus) models to support the adequacy and reformulated models.
- Operated computational analysis with MATLAB & Simulink and established mechanical simulations to analyse Bionic Leg designs and biomechanical sequences to predict performance metrics.
- Provide design and development of control systems for research prototype to achieve the performance metrics
- Performed data collecting from simulations and experimental.
- Validated data to check data accuracy and integrity while independently locating and correcting concerns.
- Gathered arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Prepared materials for reports, presentations and submission to peer-reviewed journal publications.

Secretary – Mechanical Engineering Student Association Seminar (Event)

June 2019 – Oct 2019 / Udayana University, Bali

- Led and coordinated secretariat division in preparing, distributing, and ensuring all of the legal requirements to ensure smooth committee's activities
- Responsibility to ensure the smooth function of the chair as event management by:
 - Scheduling with chair calendar and prepared meeting agenda and materials.
 - Receiving agenda items from committee members
 - Circulating agendas and reports
 - Checking quorum is present at meetings
 - Keeping a record of the committee's activities
 - Keeping a diary of future activities
 - Ensuring committee's activities are in line with its objects
 - Assisting in the management of committee documents

Mechanical Engineering Intern

Jan 2020 / Indonesia Power, West Nusa Tenggara

- Attend daily meetings to maintain machine performance and operating safety.
- Assisted routine preventive maintenance on turbine systems, seawater pumps, coal feeders, and boilers.
- Communicating turbine technical concepts at unit 3
- Collect data from turbine daily data catalogue
- Analyse turbine efficiency at unit 3 using the isentropic efficiency method
- Analyse information and provide solutions to improve turbine efficiency.

- Analyse and organize research data to create representative graphs and charts that highlight results for presentation.
- Research results presented to maintenance, engineer, and control units

Head of IT Division - District Leadership Training 2021 District D3420 (Event)

Aug 2021 – Sep 2021 / Rotaract, East Indonesia

- Led a division in compiling and executing all the contents of a technical event with confirmed 50+ participants from East Indonesia.
 - Coordinate with events and publications division in planning and executing content of District Leadership Training 2021
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VOLUNTEER

Rotaract Member

Aug 2021 – Present / International

- Active in humanity act, leadership and soft-skills training, and Rotaract International Services
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ACCOMPLISHMENT

The Best Mechanical Engineer, Undergraduate Student, on Udayana 142th Graduation

Awarded as the best mechanical engineer on Udayana 142th Graduation with GPA 3.93 of 4.00 and time study time of 3 years ten months.

The Best Speaker at Hotel Engineering National Conference 2021

Awarded as 5 top best speakers from 100+ speakers: Hotel Engineering National Conference 2021 is a national engineering conference held by Udayana University. Aim to improve hotel engineering system in Indonesia with various topics such as automated engineering, energy conservation, etc.

ADDITIONAL

Publication:

International Publication: Journal Southwest Jiaotong University indexed Q2 by Scopus with title Hybrid Control System in Bionic Leg Using Myoware Sensor.

Languages: English (Full Professional proficiency), Indonesian (Native speaker)

Technical Skills: Autodesk Inventor (Full Professional proficiency), Matlab & Simulink Python, MySQL, C/C++, and Microsoft Office (Working Proficiency)

Certifications & Courses:

Autodesk Inventor / Mechanical Engineering Department - Udayana University

Credential: <https://bit.ly/3jl70XY>

Elite Executive Program – Lifetime Programs (Level 1 –5) / John Robert Powers

Credential: <https://bit.ly/3By0wMj>

MySQL / Progate

Credential ID: 913891dfqxio8u

Phyton / Progate,

Credential ID: 47e30b1aqxr6vv