

PORTFOLIO.

Hello Everyone.

I'M MUHAMMAD RAFLY

BACHELOR OF
ENGINEERING PHYSICS →



PORTFOLIO.



Professional Summary

Highly motivated and technically skilled Facilities Technician with a Bachelor's degree in Engineering Physics (GPA 3.67). Strong expertise in machine maintenance, troubleshooting, and utility management, including electrical systems, WWTP (Wastewater Treatment Plant) operations, fire protection systems, and PLC maintenance. Proficient in preventive maintenance, equipment installation, and process optimization to ensure smooth operational efficiency. Passionate about problem solving, continuous improvement, and contributing to operational excellence. In addition, have skills in programming, robotic system design, and technology-based industrial system optimization.

Technical & Soft Skills

- Electrical Systems Maintenance & Troubleshooting
- Mechanical Systems & Equipment Repair
- Wastewater Treatment Plant (WWTP) Operations
- Fire Protection & Building Maintenance
- PLC (Programmable Logic Controller) Maintenance
- Non-Destructive Testing (NDT)
- Chemical Process Maintenance (Paint, Plating, Anodizing)
- Preventive Maintenance & Process Optimization
- **Soft Skills :** Strong Problem-Solving & Analytical Thinking, Team Collaboration & Leadership, Attention to Detail & Troubleshooting, Adaptability & Continuous Improvement Mindset, Technical Documentation & Reporting

PT. SONY INDONESIA
ENGINEER (ON JOB TRAINING)
September 2017 - December 2017



PT. NT.PISTON RING INDONESIA
(MFG) MAINTENANCE
October 2018 - October 2019



PENGALAMAN KERJA

BADAN RISET INOVASI NASIONAL (BRIN)
FIELD WORK PRACTICE RESEARCHER-ASSISTANT
June 2023 - August 2023



PT. HONKY'S MINIATUR JAYA
MECHANICAL-ELECTRICAL
February 2018- August 2018

PROJECT.

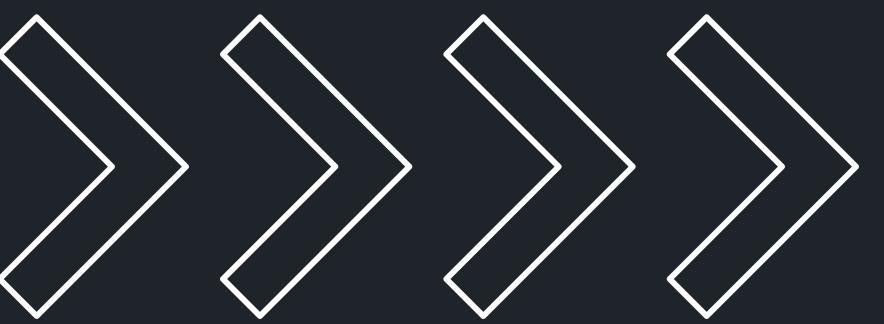
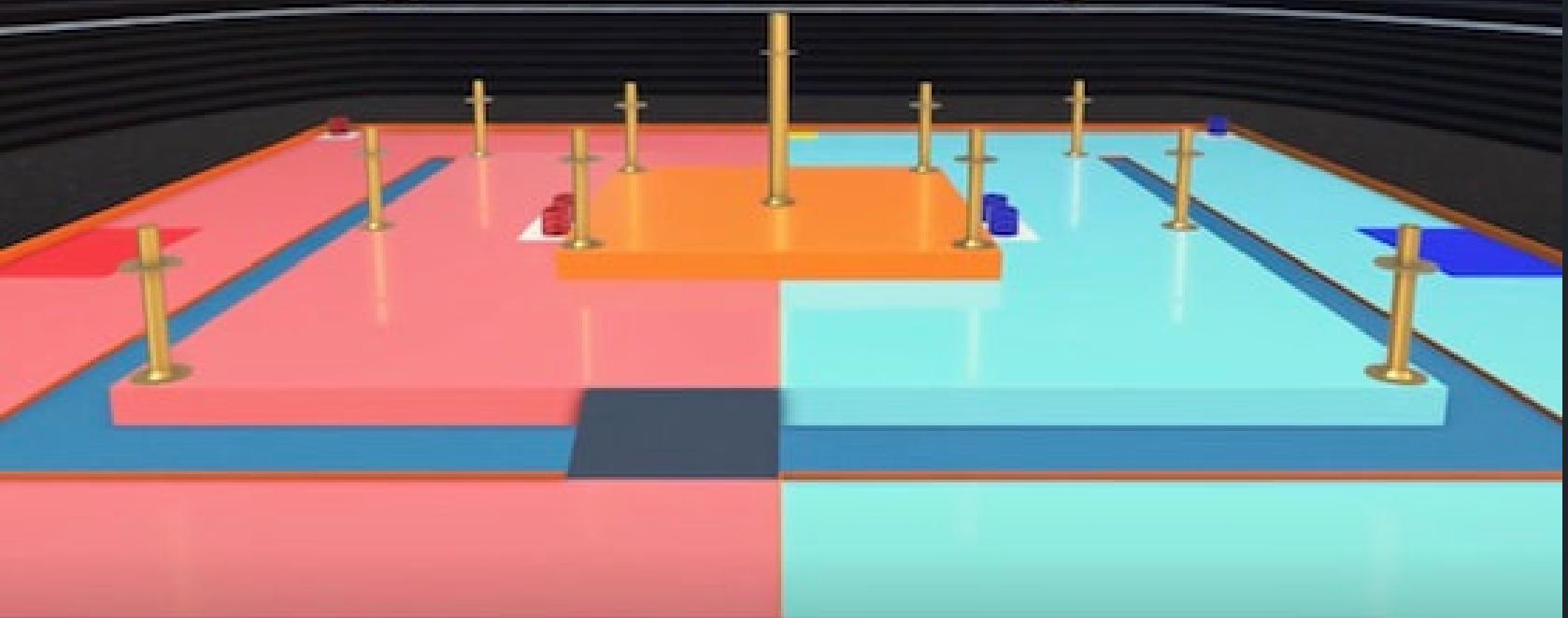


(KRAI) 2022 refers to ABU Robot Contest Asia-Pacific 2022, New Delhi, India. The theme of KRAI 2022 is in accordance with the theme of ABU Robocon 2022, namely "LAGORI - The ABU Robocon 21st Game". Lagori is a popular traditional game in India.

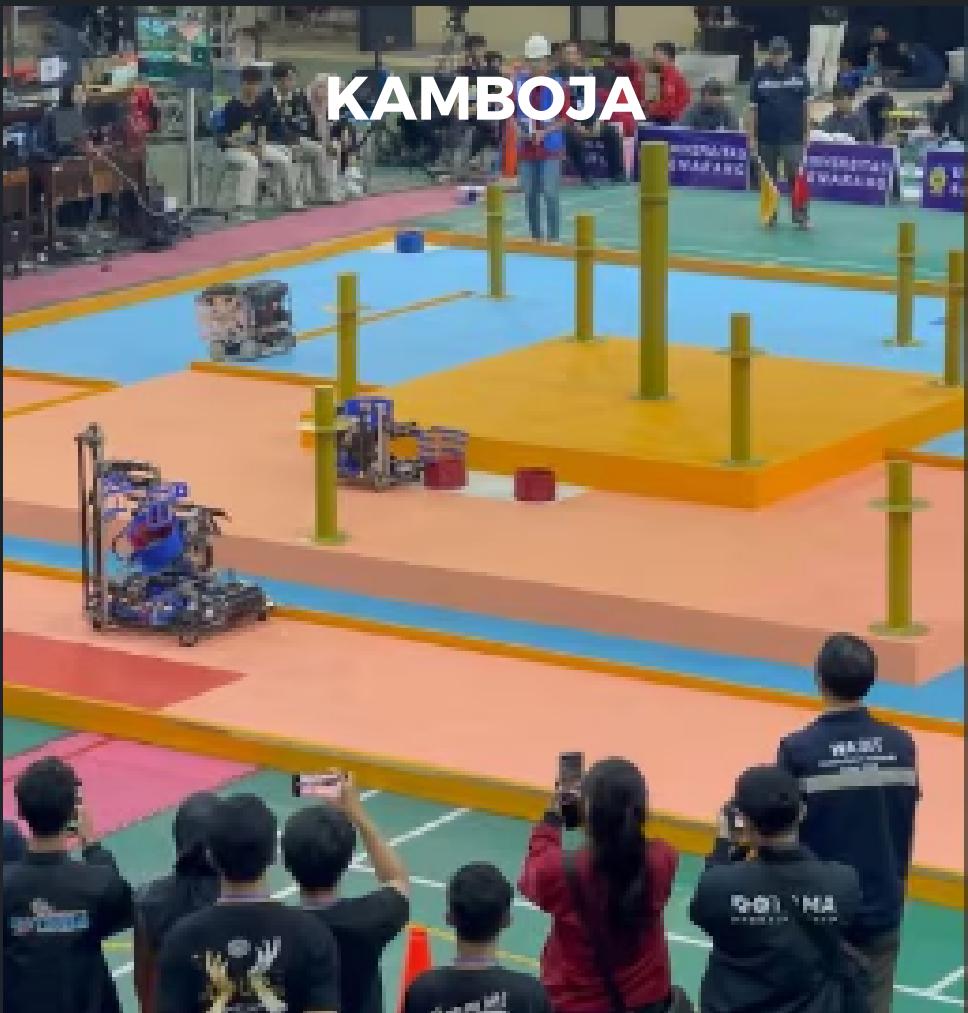


PROJECT.

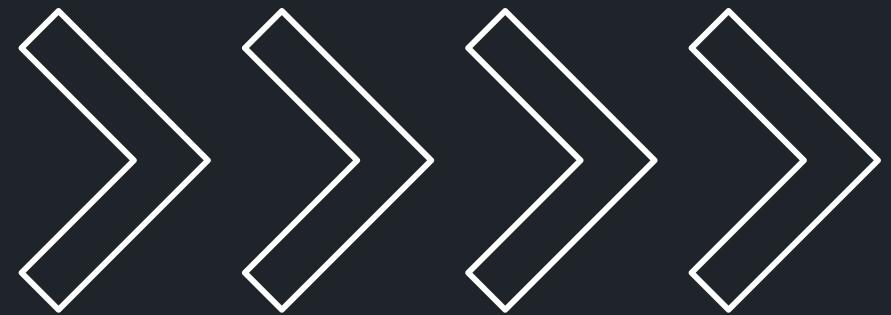
"Casting Flowers Over Angkor Wat"



ABU Indonesia Robot Contest (KRAI) 2023 refers to the ABU Asia-Pacific Robot Contest 2023, Phnom Penh, Cambodia. The theme of KRAI 2023 is in accordance with the theme of ABU Robocon 2023, namely "Spreading Flowers at Angkor Wat", Angkor Wat is a world heritage site.



PROJECT.



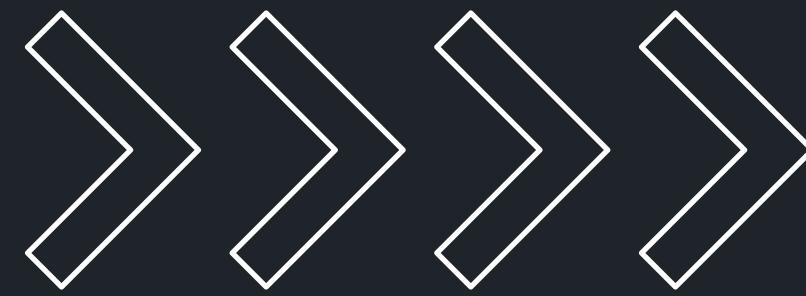
Engineering Service Community (ESC) is a community-based program at Telkom University that aims to implement creative convergence design education involving engineering services based on various majors. This project is designed for undergraduate students. This program is created to serve others through engineering by solving problems in targeted areas. Participants are Telkom University students and partner university students.



>>>>> CARP TOTHE DEATH <<<<<



PROJECT.



ESC

2024

