



BHAVANI A/P AMBROSE

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PROFESSIONAL EXPERIENCE

APPRAISAL PROPERTY MANAGEMENT (JLL)

Bayan Lepas, Penang

Facility Mechanical Engineer, HVAC & OFA System

Oct 2022 – Present

- Identify, prepare, prioritize, and implement capital projects to enhance facility efficiency and performance
- Assist in coordinating testing and commissioning activities to ensure seamless integration of new systems
- Troubleshoot operational issues with HVAC and OFA systems, providing timely resolutions
- Offer day-to-day support for operational and maintenance challenges on-site
- Maintain a comprehensive record of project statuses, scheduling necessary downtime for emergency repairs
- Provide technical and informational support to customers and internal departments regarding ongoing and upcoming projects
- Review operations and maintenance procedures with the team, for system upkeep
- Foster a collaborative environment, promoting high-performance teamwork among system owners, facilities staff, building lead, and contractors
- Liaise with contractors and outsourced partners to execute routine preventive maintenance tasks, minimizing disruptions to system operations
- Establish and maintain effective communication with customer organizations to address their needs promptly
- Implement and adhere to Fatality Prevention F5 program guidelines in workspaces and processes, prioritizing efficiency and safety
- Oversee the efficient operation of plant infrastructures, including mechanical, HVAC, chilled water, heating, oil-free air, and process cooling systems

MICRON MEMORY MALAYSIA SDN. BHD

Batu Kawan, Penang

MMP CAT Assembly Equipment Engineering, Internship

Aug 2021 – Oct 2021

- Participated in comprehensive training programs, gaining exposure to equipment engineer roles and acquiring insights into daily operations
- Enhanced troubleshooting efficiency by implementing out-of-control action plans, reducing machine downtime by 15%
- Observed and learned the process of converting die attach machines, assisting technicians during conversions, and analyzing conversion durations to identify areas for improvement
- Acquired knowledge of wire bond processes through observation and hands-on learning experiences
- Configured network settings in the wire bond area, including the activation of Micron networks and setting up static IP addresses for new machines
- Initiated request tickets to the IT department for Micron network activation and static IP configuration
- Spearheaded the update of machine network information, improving accuracy by maintaining a 100% error-free database

EDUCATION

UNIVERSITY SAINS MALAYSIA (USM)

Penang

Bachelor In Electrical and Electronic Engineering, CGPA: 3.39

2018-2022

- Major Course: Mechatronic Engineering

MATRICULATION COLLEGE

Kelantan

Module II, CGPA: 4.0

2017-2018

PROFESSIONAL PROJECTS

Improvement Project: Cooling Tower Replacement Project

- Developed a detailed project plan, including scope, schedule, budget ensuring compliance with industry standards and client specifications.
- Completed installation of new cooling tower on schedule and within budget, resulted in 10% reduction in energy consumption and improve overall system redundancy.

Proactive Troubleshooting System

- Consistently troubleshoot and resolved daily operational issue, minimizing downtime and maximizing customer satisfactions.
- Proactively identified based on alarms and parameter's trending of the system.
- Successfully resolved critical system failure by finding root cause followed by having mitigation plan and coordinating the replacement of the faulty component within the timeframe.

Shutdown Activities

- Planned and coordinated plant shutdowns, effectively delegating tasks to teams and ensuring all activities were completed on scheduled.
- Successfully executed system shutdowns and startups with timelines, ensuring stable system performance upon handover to customer.

Internship Project – Die Attach Conversion Time Study (Aug 2021 – Oct 2021)

- Conducted experimental studies to analyze the time required for each step-in die attach conversion for different recipes.
- Assisted technicians during conversions, reviewed conversion durations, and identified root causes for discrepancies in target times.

PERSONAL PROJECTS

- Proactively self-taught front-end fundamentals including HTML, CSS, JavaScript and its frameworks by online course and engaging in developer community.
- Developing MERN Stack application for employee management system, utilizing JavaScript frameworks.

ADDITIONAL INFORMATION

- **Skills:** HTML, CSS, JavaScript, NodeJS, MongoDB, React, Visual Studio, GitHub, SOLIDWORKS, Arduino, Microsoft (Word, PowerPoint, Excel, Pivot Table)
- **Languages:** English (Intermediate), Malay (Intermediate), Tamil (Native)