

IMRUL KHYS

Mechanical Engineer

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CAREER OBJECTIVE:

To work in a challenging and dynamic environment, which gives an opportunity to add value to the company resulting in continuous development of skills and knowledge by execution of vested responsibilities with loyalty and integrity

WORK EXPERIENCE:

LIFE PHARMA FZE (JEBEL ALI, DUBAI)

GRADUATE ENGINEER TRAINEE: (May 2020 – December 2020)

- Troubleshoot problems on manufacturing machines and packing machines as needed
- Responsible for alerting Chief Engineer of any unusual occurrence and/or damage to equipment or property
- Machine maintenance schedules to be done and keep records of all the maintenance and service works
- Assist Chief Engineer on Preventive Maintenance of machines and equipment
- Preventive Maintenance documentation is done in SAP software
- Calibration of temperature control equipment, gas refilling, compressor replacement, control board, filter drier and vacuum pump
- Generator maintenance for change oil, fuel filter, oil filter, radiator, air filter and diagnose electrical malfunctions
- Disassemble malfunctioning equipment when necessary to locate broken parts, and complete repairs using specialized tools
- Made Recommendations to Chief Engineer concerning system upgrades, troubleshooting, and preventive maintenance.
- Maintain a professional and courteous manner with all employees, vendors, and outside Contractors

AVACS AIR CONDITIONING (COCHIN, INDIA)

MECHANICAL ENGINEER: (May 2018 - December 2019)

- Preparation of Heat Load Calculation using HAP in accordance with ASHRAE and applicable authority regulations
- Design and examining HVAC, Fire Fighting and Plumbing Projects
- Procuring the equipment/materials in the best rates meeting the specifications and quality

- Regulation/control of manpower in the site
- Understanding the drawing, specifications, contract documents & scope of projects
- Raise necessary queries to fulfil the system to review with Sr. Estimator
- Coordinating with consultant for material inspection, site inspection and processing the approvals

ACADEMIC PROFILE:

- **B. Tech – Bachelor of Technology in Mechanical Engineering** from Rajiv Gandhi College **Pondicherry University** during the year 2013-2017
- **Higher Secondary Education** under **Kerala State Public Examination Board in Computer Science** from St. Theresa's Higher Secondary School, Chalakkara, Kerala, India during the year 2011-2013
- **SSLC – Senior Secondary Leaving Certificate Examination Kerala State Board** from St. Theresa's Higher Secondary School, Chalakkara, Kerala, India during the year 2010

TECHNICAL SKILLS:

- **HVAC Designing & Drafting:**
 - Estimation of heating/cooling load, CFM calculations, infiltration, and ventilation
Using ASHRAE standards
 - Designing and revising piping, ducts and other HVAC drawings
- **Chilled Water System:**
 - Study of Water Pumps, Cooling Tower, Heat Exchangers and Hydronics
- **Air Handling Unit:**
 - Understanding of the components such as dampers, filters, fans etc.
- Heat load calculation
- Design and load calculation MEP Revit
- Hourly Analysis Program (HAP)
- Basics of planning software AUTOCAD
- Operating Systems: Windows XP/ Vista/ Windows 7/ Linux/ MAC
- Basic knowledge in HVAC equipment such as **FCU, VAV, FAHU, AHU** and fans such as **SPF, Car Park Fans** and other extract fans
- Basic understanding in Fire Fighting systems such as:
 - **Sprinkler**
 - **Fire Pumps**
 - **Fire Hose Cabinet**
 - **FM – 200 System**
- Knowledge in types of Actuators and Dampers used in HVAC equipment
Types of dampers such as:
 - **Modulating dampers/actuators**
 - **Motorized fire and smoke dampers**

ACADEMIC PROJECT:

Performance Test on Single Cylinder Diesel Engine Using Neem Oil (Bio-Diesel)

Purpose: The aim of the project was to conduct the various Performance tests, using blends of Neem oil and compare the Performance Test between Diesel and the Bio-Diesel

Description: The experimental investigation was carried out in a single cylinder 4-Stroke water cooled Diesel engine (developing 3.5kW at 1500 RPM) was used. An electrical Dynamometer was used for loading the engine. The blends of B10, B20 and B30 of methyl ester of Neem oil – diesel was prepared by volume basis and used for experimental purpose

ADDITIONAL QUALIFICATION:

- Certification in **HVAC Design and Drafting**
- Certification in **Post Graduate Diploma in MEP** (Mechanical, Electrical, Plumbing, and Fire Fighting) from CAPS Academy, Cochin, India during May 2018

INDUSTRIAL EXPOSURE:

Undergone Internship at:

- Ashok Leyland, Chennai
- Mysore Sandal Production Plant, Mysore

PERSONAL STRENGTH:

- Ability to work in a multi-cultural environment and establish harmonious and effective working relationship within and outside the organization
- Adaptable, diligent, perseverance, ambitious and can acquire new skills quickly
- Good interpersonal communication skills and problem solving skills
- Ability to take initiative and to cope up with the changing environment
- Willingness to learn and hardworking
- High degree of self-motivation

EXTRA-CURRICULAR ACTIVITIES:

- Coordinator for college's Mechanical Symposium (2017)
- National Level Science Project Participant at the secondary level (2010)
- Actively participated in football tournaments

AREA OF INTERSTS:

- HVAC Engineering
- MEP (Mechanical and Electrical Plumbing)
- Manufacturing
- Maintenance
- Automobile

PERSONAL DETAILS:

Nationality	:	Indian
Marital	:	Single
Language Known	:	English, Hindi, Malayalam, Tamil.
Hobbies	:	Travelling & Exploring, Listening music, Playing Football