



## Antony Micheal Nicholas Raj. A

Knowledgeable, hard-working & result oriented professional prepared & ready to tackle any maintenance duties, offering With a decade-long career across the **industry in Electrical & mechanical of special machinery Maintenance, Project Management, Transformers (H.T/L.T) & Generators operation & maintenance.** Currently categorize as **Assistant Manager-M1 (Maintenance - Machinery, Facility & utility)** with **Flamagas India private Limited, Chennai-127.**

### CONTACT DETAILS

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### PERSONAL PARTICULARS

Age : 39 years  
 Date of Birth : 13 July 1982  
 Gender : Male  
 Marital Status : Married

### QUALIFICATION

Qualification : Diploma (3 years)  
 Field of Study : Electrical & Electronics Engineering  
 Institute/University : NPA centenary polytechnic, Kotagiri-643 217, Tamil Nadu.  
 CGPA : 1035/1200 **FIRST CLASS With HONOURS**  
 Graduation Date : 2002

### AWARDS

🏆 ISTE & IE (I) Students Chapters Technical carnival 2002 *working model creation* **First prize.**

### CERTIFICATE OF MERITS

🏆 INTRA -MURAL Annual sports **VOLLEY BALL 1995-1996 WINNER.**  
 🏆 DISTRICT LEVEL SPORTS **VOLLEY BALL SENIOR 1997 WINNER.**  
 🏆 DISTRICT LEVEL GAMES **JAVELIN-THROW SENIOR 1998-1999 FIRST PLACE.**

### EXPERIENCE

Experience Level : Total **18 Year(s) 9 Month(s)** of Experience

## **EMPLOYMENT HISTORY**

**Company Name** : Flamagas India private Limited, Chennai-127.  
**Position Title** : Assistant Manager (M1)  
**Position Level** : Senior Executive  
**Specialization** : Maintenance & Repair (Machinery & Facilities)  
**Industry** : Manufacturing / Production (FMCG)  
**Duration** : Sep2018- Present (3 years 3 Months)  
**CTC per Annum** : INR 5 Lakhs 96 Thousand.

(as on Dec 2021)

## **DUTIES PERFORMED**

- ✓ As an **Assistant Manager**, performed preventive & corrective maintenance on all machines used in the **LIGHTER** manufacturing process Through Planning, scheduling & carry out of Daily, weekly, monthly and annual preventive maintenance for all production machines. Logically implementing planned and preventive maintenance practices to minimize downtime and losses. Developing maintenance procedures; Prioritizing the PM plan and ensuring adequate resources are available for its compliance Developing Standard work instructions & Safeguarding abnormalities related to equipment's are eliminated through best practices in all maintenance functionalities. Assigning with the responsibilities of ISO Documentation of Machinery Maintenance for best maintenance practices.
- ✓ Increased machine uptime from 96% to 98% through root causes analyses, machine reliability studies and implantation of corrective actions to minimize repeated breakdowns while ensuring application of best maintenance practices to meet company overall performance and achieve MTBF & MTTR as per targets
- ✓ Handling & utilization of manpower for maintenance work to optimize downtime of machines. Coordinating with team to ensure man power availability for 24 X 7 to maintain the plant facilities (Power & Utilities) and upkeep of Electrical/ Mechanical machinery. Handling 15 members Team and Planning shift activities and Cross training the department staffs and encouraging them for smooth department activities.
- ✓ Developing and maintaining healthy and cooperative working environment within organization by assisting and coordinating with others to ensure smooth flow of production operations.
- ✓ Initiating spare parts planning and second sourcing & Indigenous Spares development. Spare parts requirement prediction and procurement. Improving spare parts availability from 81% to 90% and improved plant efficiency average 5% (to 75%) through use of lead time studies, flexibility of parts and budget allocations. Controlling cost by effective source identification of Spares & Services (Identify critical spares and keep it ready for unplanned breakdowns) with the duty of planned resource through identification of cost effective Vendor Development with an aim to reduce cost while improving quality & reliability; Looking after Vendor Development, Managing the whole range of functions to Budgeting, Planning, Estimation, Identification of Vendor, Negotiation, Execution, Commissioning and testing, Bill approvals and payments.
- ✓ Preparing the Repair & Maintenance budget; reviewing the budget on monthly basis and Monitoring Spares consumption for controlling R & M expenses; Review of nonperforming asset spares. Revisit and review the spare inventory. Monitoring expenses and control the budget for maintenance. Reducing unexpected large expenditures and improving month-end closings, from 85% of operating parameters to 98% within budget,

by developing / implementing strategy that monitored Maintenance, Repair and Operations (MRO) purchases, receivables and service invoices.

- ✓ Regular analyzing of organizations Electrical Load Consumption with Ratios and analysis. Implementing lighting solutions throughout the facility and Compressed air system VFD upgrade saving the company *INR* 14,000 a month in energy, maintenance, and disposal costs.
- ✓ Planning & scheduling assignments to achieve pre-set goals within time parameters. Formulating long term/short term strategic plans to enhance operations.
- ✓ Ensuring Energy Management activities & **Cost Reduction plans** for EB/DG, ISO-BUTANE GAS & Building Maintenance.
- ✓ Legal & Regulatory requirements - 100% compliances - Periodically submission of reports to Govt. agencies (CEIG & TANGEDCO) & inspection Coordination and execution of audit compliances. Guidance experience of **statutory requirements related to utility** is also done.
- ✓ Issuing the work permits to the external agency & adherence of safety requirements.
- ✓ Planning of fuels like Diesel, oil, Lubricants and Iso-butane etc.
- ✓ Responsible for entire Earthing systems across the site.

### **EXPERIENCE GAINED**

- ✓ Hands on exposure in Multi-unit maintenance management.
- ✓ Experience gained in plastic welding. (**Ultrasonic and spin**), **Thermoforming with vacuum technologies**.
- ✓ Attending review meeting with Top management for the performance of Plant Engineering. Training & development of Sub ordinates & Business communication.
- ✓ Problem Solving through **4M Analysis with Related Departments**.

### **KEY ACHEIVEMENTS**

- ✓ Line **Productivity Improvement by Effective Process Control & Process Optimization**.
- ✓ Overall equipment efficiency (OEE) **enhanced from 59% to an average of 71%**
- ✓ Ensuring **Best 5S practices & Safe working Environment** in the Shop Floor by Self Auditing.
- ✓ Started **Poke-Yoke** to achieve the PPM level.
- ✓ Adding **Vision systems and programming the plc** in machines to avoid Aesthetic rejection in Final QC.
- ✓ Motivating & Facilitating the Team members towards **QCC & Suggestion Schemes**.
- ✓ Improving **visual displays to provide awareness on abnormal work practices**.
- ✓ Implemented a water reduction program (**dripping water system**) to plants and Trees and save nearly 6,000 liters per week.

### **REASON FOR LEAVING:**

**Seek for better career, advancement opportunities and exposure.**

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**Company Name** : Venture Power Systems India Pvt. Ltd, MEPZ, Chennai-45.  
**Position Title** : Supervisor (Grade S3 )  
**Position Level** : Senior Executive  
**Specialization** : Maintenance & Repair (Machinery & Facilities)  
**Industry** : Manufacturing / Production  
**Duration** : Dec 2008 - Sep2018 (9 years 9 Months)

## **DUTIES PERFORMED**

- ✓ As a **SENIOR ENGINEER**, performed preventive and corrective maintenance on all machines used in the **BALLAST** manufacturing process. These machineries have PLC, flow meters, pressure switches, temperature controllers, variable frequency drives, conveyor controllers, stepper motors, pneumatic and hydraulic systems & hoists controllers.
- ✓ Handling entire variety of functions related to operations and maintenance of electrical equipment of plant, operation and maintenance of Transformer & Generator of plants. Supervising maintenance of Transformer (11Kv/1000KVA) & Diesel Generator (500KVA) to ensure smooth production operations within defined time and cost parameters. Correctly carrying the responsibilities of Operation and Maintenance of compressors, UPS, Inverters, Capacitor Bank (400 KVAR), HVAC, Air Handling Units, Pumps, Gas lines (LPG & Argon), Solar Water Heater system, Fire Hydrant System.
- ✓ Overseeing safe, secure & environmentally-sound operations and maintenance of company's assets in a cost-effective manner.
- ✓ Exposure in Taking Corrective Actions of Increasing Mean Time Between Failure & Decreasing Mean Time to Repair, **(MTBF & MTTR)**.
- ✓ Recognized as a positive individual to rapidly identify the problems, formulate considered plans, initiate and re-design effective solutions and preventive measures; energetic Scheduling and cost control activities.
- ✓ Experienced in Break down analysis through WHY-WHY Analysis. Preparing the breakdown analysis report after thorough analysis and suggest corrective and preventive action plans to minimize recurrence
- ✓ Responsible for Daily Assurance of Quality in Manufacturing & Exposure in problem solving of the Process issues. (Related to Machines).
- ✓ Knowledge of instrumentation field devices like thermostats, RTDs, thermocouples, analog & discrete transducers, flow, level, pressure, temperature, proximity switches etc.
- ✓ Working on different kind of sensors like metallic, non-metallic, capacitive, level, Photo, laser, light barrier, temperature, pressure etc.
- ✓ Working on different VFD's AB, Danfoss, Siemens, Delta and Mitsubishi. Wiring, fault & safety protections, remote and local operation, communication with PLC, installation & commissioning of drives.
- ✓ Having hands on experience on HMI & Text Panels. Panel designing for new Applications with knowledge of Control and power circuit Diagram.
- ✓ Networking and Data Acquisition of PLC and used various Protocol like Rs232, Rs485, In AB DH+, DH485, Profibus, Modbus etc.
- ✓ I did many of plc programs for new machines and modify the programs in the existing machines. I enjoy doing projects.

- ✓ I frequently had to program plc systems; (Allen-Bradley, ABB, MITSUBISHI, OMRON, DELTA, DirectKoyo and TELEMECHANIQUE) correct the logic errors, change, add or remove logics as equipment's operations changed.
- ✓ Strong knowledge in **Pneumatic Systems & Hydraulic Press.**
- ✓ **Strong Knowledge in Mechanical Press (SIMPAC C-frame single crank press, ISGEC gap & ring frame press) 35 ton to 150 ton in assembly process.**
- ✓ skill in maintaining highest standards of project management strategy in electrical engineering projects; expert in quickly ramping up electrical Design and maintenance of projects with knowledgeable cross-functional skills ensuring time deliverables within pre-set parameters.
- ✓ Carrying out inspections of the facilities to identify and resolve issues. Review and evaluate maintenance operations. Improvise maintenance operations to save on costs and work time.
- ✓ **Co-participation and Achieved the CFT Team for Energy Saving.**
- ✓ Coordinating with other function to achieve production target.
- ✓ Daily meeting with team members
- ✓ Daily walkthrough of premises and identified abnormalities closed on the day itself.
- ✓ Maintaining safety equipment 100% uptime
- ✓ Maintain power factor and Energy saving consumption
- ✓ Implementing permit to work, Lockout Tag out (LOTO) system in plant
- ✓ Planning for resources and manpower for planned shutdown of the plant and execution including start up.
- ✓ Knowledge in Root cause analysis and Counter action in Machine Maintenance.
- ✓ Experience in assembly related machines, in house machine building. Operated and maintained various assembly tools, hand tools and other equipment.
- ✓ To execute and implement the **PM & BDM** activities as per module in MES.
- ✓ **Implement & Participated in the Poke-Yoke, Kaizen & QCC activities.**
- ✓ Managing relationships with contractors and service providers
- ✓ Working knowledge of MS office and Minerva ERP

## **ACHIEVEMENTS**

- ✓ Energy Cost Reductions
- ✓ Machine up time improved activities with minimal spares.

## **REWARDS**

- ✓ “EXCELLENT” Performance during the Year 2012-2013.
- ✓ “OUTSTANDING” Performance during the Year 2013-2014.
- ✓ “EXCELLENT” Performance during the Year 2014-2015.
- ✓ “EXCELLENT” Performance during the Year 2015-2016.
- ✓ “EXCELLENT” Performance during the Year 2016-2017.

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**Company Name** : **MSPVL POLYTECHNIC COLLEGE, Pavoorchatram- 627 808.**  
**Position Title** : Technical Assistant (T2)  
**Position Level** : Junior Executive  
**Industry** : **Education**  
**Duration** : July 2006 - May 2008 (1 Year 10 Months)

### **RESPONSIBILITIES:**

- ✓ Check circuits in lab experiments and took master readings.
- ✓ Calibration all meters used for labs and give that report.

### **EXPERIENCES GAINED:**

- ✓ Proven initiative and ability to work with minimal supervision.
- ✓ Excellent organizational and motivational skills.
- ✓ Knowledge of all Electronics Components and devices.

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**Company Name** : *Startime Apparels. Tirupur-4*  
**Position Title** : Technician (T2)  
**Position Level** : Junior Executive  
**Specialization** : Maintenance & Repair (Machinery & Facilities)  
**Industry** : **Apparel**  
**Duration** : June 2003 - June 2006 (3 Years)

### **RESPONSIBILITIES:**

- ✓ Day to day maintenance activities.
- ✓ Preventive as well as breakdown maintenance documentation.

### **EXPERIENCES GAINED:**

- ✓ Knowledge in Pneumatic Controls, Steam Oriented Machines, Drives of Ac Motors, Plumbing Works & Installation of Pumps & Motors.
- ✓ Maintenance of different types of Pumps, Blowers, Compressors & Air driers.
- ✓ Electrical works in a construction site such as UG Cable preparations i.e. glanding & terminations, dressing of panel Boards & Wiring works.
- ✓ Machinery works on Garments Processing Machines Like Compacting M/C (TUBE-TEX USA, FERRARO ITALY), Heat Setting M/C (ASK-ME TAIWAN), Raising M/C (I-KUAUNG TAIWAN), Thermic Fluid Heater Non-IBR (THERMAX pune), Wood Fired Steam IBR Boiler (JAYA), Diesel Fired Steam Boiler (maxtherm Chennai), Industrial washing M/C& Drier (RAMSONS BANGALORE), Gen sets 160KVA& 63KVA (ELGI, KIRLOSKER).

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**Company Name** : *Kyungshin Industrial Motherson Ltd. Chennai*  
**Position Title** : Maintenance Trainee  
**Position Level** : Fresh  
**Specialization** : Maintenance & Repair (Machinery & Facilities)  
**Industry** : **Automotive Ancillary**  
**Duration** : June 2002 - May 2003 (11 Months )

### **EXPERIENCES GAINED:**

- ✓ Electrical works, Machinery works like Wire Crimping CNC M/C (J A M, Singapore & MEGOMAT AS 200 Netherlands), Middle Splicing M/C. KODERA Japan& Manual Crimping M/C.
- ✓ Knowledge in APPLICATORS Servicing.

## **CAREER OBJECTIVE**

To gain further exposure and experience to become a valuable contributor of an Organization, that is having faith in System Approach for its improvements, Providing Environment for practicing & Acquiring Skills and Offering good career prospects.

## **PERSONAL & MANAGEMENT SKILLS**

- ✓ Willingness to learn new tools.
- ✓ Dynamic team Leader, Having very **Excellent Leadership Quality to Lead and Guide the Team.**
- ✓ Special Interest in **Low Cost Automation Projects** in the Shopping Process & Improve the Cycle time.
- ✓ Ability to **understand requirements quickly** & able to communicate technical information clearly and concisely to build trusting partnership with business clients and work for long time with high efficiency
- ✓ Good skill in hand sketches / sketching initial design ideas
- ✓ Ability to plan projects, identify resource requirements and assigns work to team members and that to ensure on-time delivery.
- ✓ Ability to set improvement direction, train and develop employees and facilitates improvement activities to ensure progress and sustainment.
- ✓ Positive Attitude, Motivational, Punctuality, Achieving Target, Honest, being Truth & Bold.

## **TECHNICAL SKILLS**

Skill	Years	Proficiency
8051 Microcontroller Programming	7	Advanced
PLC Programming	14	Highly Experienced

## **ADDITIONAL SKILLS**

- ✚ Thorough knowledge of electronic components identification, Testing, Troubleshooting, soldering & surface-mount technology.
- ✚ Experience to handle bullets of **LPG, Iso-Butane & Argon** up-to 24Ton.
- ✚ Experience in Machinery Maintenance.
- ✚ Complete knowledge of **Pneumatic & hydraulic Systems** & sensors.
- ✚ **Ladder, SFC & ST** programming techniques.
- ✚ Knowledge in micro-controller & interfacing to real world devices using assembly language & C language.
- ✚ Able to **convert any manual operating m/c to an automatic or Semi-Automatic M/c**
- ✚ Knowledge & Experience in **VFDs & D/C drives soft starters.**
- ✚ Knowledge in **HTML, C, Visual Basic for Application (VBA), MS office, Photoshop & video Editors.**

### **Troubleshoot, analyze, repair and program these *PLC controls*:**

Allen Bradley, ABB, Mitsubishi, Omron, Delta, Telemecanique, DirectKoyo, LG, GE Fanuc and Siemens plc programming & hardware design.

### **Troubleshoot, analyze, repair and program these *HMI*:**

Mitsubishi, Omron, Delta, HiTech, Idec, Hakko & RedLion.

### **Troubleshoot, analyze and repair these *Motor Drives*:**

Transistor, Triac, & SCR based DC motor Drives, And AC drives such as Mitsubishi, AB, Telemecanique, Siemens, Baldor, SEW Euro drive, Delta, Thyfrec-vt.

### **Troubleshoot, analyze and repair these *Servo Motor Drives*:**

Mitsubishi, AB, Siemens, Baldor, Panasonic.

### **Stepper Motor Drives**

Parker, Slo-Syn

### **Troubleshoot, analyze and repair these *Welding Units*:**

Miller MAXSTAR 152, 175 & 200, Miller SNAP START II, Migatron PI 200/250 DC HP, Kemppi.

**Troubleshoot, analyze and repair these Ultrasonic Welding Units:**  
Branson

## **CERTIFICATE OF PARTICIPATION**

- ✂ Japanese Management Techniques.( 2013 )
- ✂ Operation and maintenance of Diesel generator. ( 2015 )
- ✂ ISO 17025 Awareness. ( 2016 )

## **PROJECT WORKS**

1. LED Lights aging test Rack using plc & transducers.
  2. Automatic Test & Adjust the current in Ballast using PLC, HMI, Transducers.
  3. Automatic clinches the base plate & test the current in Ballast using PLC, HMI, & Transducers.
  4. Automatic ballast cover welding M/c using Plc
  5. Night Watch Man Vigilance Using PLC.
  6. SPEED & DIRECTION controlled of dc motor using PC.
  7. AT89S52 Micro-controller based traffic light controller with auto time allocation.
  8. AT89C51 Micro-controller based remote controlled home appliance.
  9. Control The Stepper Motor Using (Gates, Counters & Timer) ICs
  10. Fishing Net Light
- And I did lots of power saving projects in machineries & in utilities also.

## **LANGUAGES**

Language	Spoken	Written
Tamil	10	10
English	8	10

## **ADDITIONAL INFO**

**Availability :** Immediately **OR** after notice period of 1 month

## **JOB PREFERENCES**

Expected Monthly Salary : Negotiable  
Willing to Travel : Yes  
Willing to Relocate : Yes  
Possess Own Transport : No

## **DECLARATION**

I hereby assure that the information furnished above is true to the best of my knowledge.

**Thanking You.**

Place : Chennai  
Date : 05/12/2021

Yours truly,

**(ANTONY MICHEAL NICHOLAS RAJ. A)**

*Remuneration would not be a limiting factor for me*