

R. ANANTHAN

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Result-oriented professional with **over 16 years** of experience; Targeting Mid level assignments in **Operations & Maintenance, Supporting of New Project, and Erection & Commissioning** with an organization of high repute in Automobile industry.

Location Preference: Tamil Nadu, Pondicherry

CORE COMPETENCIES

Operations & Maintenance

Modification & Troubleshooting

PLC/CNC (VMC, HMC, CLG) .

Spares Management

Process Improvement

New

Project

Erection&commissioning

CO2 Reduction activity

Support to Production/ Qc /safety improvement

Electrical C Licence Holder (TN Government) C 46964

Electrical C Licence Holder (AP Government) 2-9224

EDUCATION

- DEEE from SSP College, Puttur, Location in 2009

PERSONAL DETAILS

Date of Birth: 18th May 1990

Languages Known: English, Tamil

Permanent Address:

No.15, Main Road, Chinnevalayam, Jayankondam, Ariyalur – 621802, Tamil Nadu

Present Address:

No,36, Karunanidhi Street, Pudur, Ambattur, Chennai-53

Current CTC:10.2lac

Notic period: 2 Month

EarlierReleiving

To work: Minimum 1month

Current Position:

Assistant –Manager Maintenance

PROFILE SUMMARY

- Planned & implemented predictive, breakdown & preventive maintenance schedules** for CNC (VMC, HMC) & **PLC and** Heat Treatment Machines, Forging press machines, Substations, Robots, TPM, TBM & CBM in Utility Equipment as well as conducted regular shutdown inspections, repairs & replacements of spare parts to control operations.
- Implemented Kaizen, 5S and Poke Yoke** to improve efficiency of machines / utilities / equipment.
- New project erection & commissioning of utilities & machines** to reduce downtime & enhance operational efficiency; ensured completion of the project within minimum turnaround time to maximize output.
- Highlighted troubleshooting expertise in Mitsubishi, Messung, Allen Bradley, **Siemens, Omron**, Keyence, and Fuji with knowledge of Pneumatic.
- Prepared & to maintain the **maintenance related IATF & EMS records, MTTR & MTBF** for bottleneck machine reports and so on.

ORGANISATIONAL EXPERIENCE

From March'2020 with Nittan India Tech Pvt, Ltd, Sri city & Tada as AM- Manager (Maintenance)

Aug'2019- Mar'2020 with Rico India Pvt, Ltd, Oragadam as AM- Manager (Maintenance)

Aug'2017-Aug'2019 with Sundaram Clayton Ltd., Padi & Chennai as Senior Engineer (Maintenance)

Aug'2015-July'2017 with Comstar Automotive India Pvt Ltd.Maraimalai Nagar & Chennai as Team Member Technical (Maintenance)

Dec'2011-Aug'2015 with Delphi-TVS Diesel Systems Ltd., Sriperumbudur & Chennai as Technical Assistant (Maintenance)

July'2010-Dec'2011 with JKM Automotive Ltd., Irungattukottai & Chennai as Trainee (Maintenance)

July'2009-July'2010 with Wheela India Pvt Ltd, Irungattukottai & Chennai as Trainee (Maintenance)

Key Result Areas:

- Monitoring project progress & outstanding issues and ensuring the quality & timeliness of the deliverables; extending support to team members by defining standard practices.
- Planning & implementing effective TPM activity of self mainrenance improve through Simple inspection techniques, preventive, predictive, corrective, breakdown and shutdown maintenance schedules for various equipment such as control panels, motors and so on to increase machine uptime & equipment reliability

- Conducting periodic checks on equipment and managing technical documentation for the same
- cost estimates for erection & commissioning and maintenance operations
- Identifying areas of bottlenecks & breakdown; taking steps to achieve zero accident & customer complaints through the application of troubleshooting tools like root cause analysis
- Implementing operational techniques for reduction in cycle time & identification of improvement opportunities and cost reduction measures to achieve substantial reduction in project expenditure
- Analysing operational practices, identifying areas of obstruction / failures, and working on changes for qualitative improvement
- OEE improvement supporting to production, Quality team required Poka-yoke, Kaizen Activity

Highlights:

- Solar system installation at 350KVA, with monthly 60000INR Saving
- Recipient of Long Service Award (5 years) at Nittan India Tech, sri city, Tada,AP
- Led many Energy Saving Projects such as Street Light and Factory highpay lamp conversion MHL to LED with monthly saving of 6000INR and introduction of die per-heating furnace on/off weekly timer based on work plan, which saved 2000 INR per month.
- Improved productivity by introducing washing machine heater early on/off weekly timer and upgraded machine.
- Increased absolute PLC & Servo conversion to new model, resulting in increasing m/c up time .
- AMS VMC, HMC Type CNC Controlled Machines, NTC, AMS, Widma with Fanuc 0I-MC, 0I-MD, 16i & 31i and Controlled CNC based Machines.
- Power factor improvement (AP Govt kvah billing to maintain the unity power factor) save the money 25000/month.
- Power quality improvement installs the Active Harmonic filter.
- CN activity coordinator creates the road map excuting the project.
- CO2 Reduction activity planned and implementation.

PROJECTS UNDERTAKEN

- Upgradation of Old Absolute **PLC to New PLC** (Omron)-C200H and c200HG, Change to CJ2M, CS1G-10 Machines Completed
- CLG, keeper groove grinding machine Update **PLC(CJ2M)** Conversation done with Mitsubishi servo.
- Proface, Moni touch, and Mitsubishi HMI Program done.
- Converted Mitsubishi Servo Absolute MR-j2s to Mr-J4 Servo Amp with Motor-10 Machine
- Installed the convayar setp in NC lathe for Job dent reduction (Quality Improvement).
- Avoid scrap elimination Installed the Lifter and covayar in final inspection lin with PLC control.
- Retrofitting the Existing Relay Logic Machine to PLC
- Poke-Yoke Equipment with **PLC Ba**sed Machine for Customer Complaint
- Retrofitted Manual Drilling Machine to Automatic Peg Drill with AC Drive and PLC
- Maintenance of support to ETP & STP and Heat Treatment Plant

Please find the attached Annexure

ANNEXURE

TECHNICAL SKILLS

- Modifications and Troubleshooting of PLC Program in Mitsubishi FX & Q Series PLCs using GX Developer works2.
- Troubleshooting, Editing & Modification of PLC Program in Allen Bradley SLC 5/03 and Micrologix 1100, 1200 & 1500 using RS Logix 500 Software
- Troubleshooting and Modification of PLC Program in Omron PLC using CX-Programmer Software
- Troubleshooting & Modifications in Keyence PLC using KV Studio Software

- Modification of HMI Programs in Mitsubishi GOT1000, 2000, Keyence, Fuji and Proface HMI
- Troubleshooting & modification of Fanuc CNC and Mitsubishi CNC system.
- Installation and Commissioning of AB, Mitsubishi and Danfoss make VFD'S (HVAC Model, VLT2800 Series), Schneider Make-Altivar Drive 312, Mitsubishi-Melsec E720 Drives, Omron Make Drives and Allen-Bradley Power Flex 40 Drives
- AMS VMC, HMC Type CNC Controlled Machines, NTC, AMS, Widma with Fanuc Oi-MC, Oi-MD, 16i & 31i and Controlled CNC based Machines.
- Troubleshooting and Installation of several types of Sophisticated Field Instruments like o2 Analyser, Proximity Sensors, IFM Make Pressure Switches, Flow Switches, Level Switches, Limit Switches, Solenoid Valves, RTDs and Thermocouples
- Denso Robots
- Troubleshooting in Pneumatic Controlled Systems
- Development of Localization of Spare Parts

MACHINES:

- Taking PLC Program Backups, Drive Backups, CNC Machine, Backups, (Parameter, SRAM), Backups, (Parameter, SRAM), System Ghost Backups for overall machines in plant
- Troubleshooting of Breakdowns in CNC and PLC based Machines.
- Troubleshooting of Breakdowns all CLG Grinding machines
- Maintenance & troubleshooting of breakdowns in Heat Treatment Plant Machines and Filter Assembly Benches
- Gas Nitrating Furnace (GNF), Brazing Furnace, Subzero Machine, Acid Pickling, Blackening & Phosphating Automation Plant, Tempering, Oven, Pressing and Assembling Machines
- Calibration of Temperature Controllers and Indicators like Eurotherm, TempSEN, Masibus, Autonics, Omron & Fuji
- Designing, Modification and Troubleshooting in Control Circuits

UTILITIES:

- Operations & Maintenance of:
 - Air Circuit Breakers (ABB Make), Vacuum Circuit Breakers (Siemens Make), HT Panel Relays (Areva Make), CTs and PTs
 - Alteration Work like Installation & Shifting of PDBs and Re-laying of Cables Meet with CEIG Standards
 - Power Generation System (Diesel Generator) up to 1000 and 750 KVA
 - Oil Type Transformers, Testing of Transformer Oil (BDV Test) and its Filtration Works to re-purify oil
- Electrical Distribution System for Plant Expansion
- Rule-46 and Rule-63 inspection along with CEIG
- Periodical Backups of Machining Equipment Programs & Parameters
- Energy Conservation Activities and Energy Audits with External Agency
- Periodic Infrared Thermography Study for All Power Panels
- Periodical Checking of Earth Resistance and Total Harmonic Distortion by Power Quality Analyser

EQUIPMENT PURVIEW

- Fanuc Controlled Oi-MB, Oi-MC, 18i, 21i, 31i & 310i CNC Machines .
- Siemens with 802-D, 840-D and 810-D Systems
- Friction Welding, Upset Forging in Amada Press, Enamoto Press and Extrude Forging CNC Machine
- Process Machinery such as Heat Treatment Furnaces, Nitrating Pressure Furnace-ECM, Fluid Bed Furnace, Vacuum Hardening Furnace, Tempering, Blackening, Phosphating and Brazing Furnace
- Auto Inspection Machin with PC Based Controller
- Brother Machining Centre from Brother, Japan-Brother System
- Nakamura Lathe from Nakamura Tome, Japan-Fanuc 21T
- Takisawa Machining Centre from Takisawa, Japan-Fanuc
- Drilling Machine from Fanuc, India-Fanuc 18i
- AMS Machining Centre from AMS, Bangalore-Fanuc
- Widia Drilling Centre from Widia, Bangalore-Fanuc
- Studer Grinding Machine from Studer, Switzerland-Fanuc

TRAININGS

- CNC Maintenance & Trouble Shooting at AMS Bangalore
- Statutory Requirement in Electrical Safety conducted by Chola Risk Service Mitsubishi
- Mitsubishi Q Series PLC Training, HMI Got Training in Chennai Mitsubishi Training Centre
- TPM System Training
- Fanuc In-house Training DO's and Don't's conducted by Fanuc India
- Maintenance Training Program Electrical Concept in CNC Machine with Fanuc-Oi System conducted by Hornbill System Pvt. Ltd.
- Electrical Safety Training at ABB, Chennai
- Maintenance Training Program on ACE CNC Lathe at Micromatic Machines Tool Pvt. Ltd., Chennai
- Electrical System for Workmen, Chennai

TECHNICAL SKILLS

- MS Office, Windows .