**RESUME**

**PERSONAL DATA**

Name: **Vamshedhar Reddy**

NRIC: S1234567F (Singapore PR)

Gender: MALE

Date of Birth: 17 March 1993

Nationality: INDIAN

Address: XXXX

Mobile: 7416390659

Email: [vamsher@gmail.com](mailto:ABC@hotmail.com)

**Career Objective**

I would like to work for an Organization where I can pursue my goal of building a good career with an intention of effectively being able to contribute my best to the Organization. I believe in growing with the Organization.

**EDUCATIONAL QUALIFICATION**

1992-1995 : **Diploma in Electrical & Electronics Engineering** with Ist class distinction

State board of Technical Education, India

2009-2011 : **Bachelor of Engineering** (Electrical)

University of South Australia

**ACHIEVEMENT**

Involved in various projects while working in Micron FAB7

* Cost-saving project for TEL tracks, scanners and metrology equipments.
* Condition monitoring of Lithography equipments.
* **EQCC/QCC Projects** in TQC platform
* Tool Relocation/move in & out.
* Liaise with vendors in all related activities.
* Preparation of RFQ for new incoming machines
* Appointed trainer for new hired.

**WORK EXPERIENCES**

Dec 2004 to till date : **Technical Specialist** (Metrology Tool Owner)

(6 years + 8months) **Photolithography , MICRON FAB7, Singapore**

**Key Responsibilities**

* Assigning the task to shift technologists.
* Coordination of preventive and corrective maintenance in Photo & Metrology tools.
* Installation, Maintenance of Photo & Metrology tools.
* Follow-up corrective maintenance with vendors.
* Equipment layout, installations and modifications with vendor.
* Good statistical analysis of Gauge Repeatability and Reproducibility (GR&R))
* Reporting to Section Manager.
* Maintaining the Tool Uptime, Utilization calculation, and equipment improvement projects.

**Job Description**

* Co ordinateall line issues.
* Ensure machine up time with commitment.
* Implemented and executed short & Long term continuous improvement projects.
* Coordination with vendors to meet the equipment key performance indices (KPI) and goals.
* Maintain the tool’s MTBF & MTTR statistics.
* Assist with process team in qualifying the machine for new devices.
* Maintain and Planning of PPH & capacity.
* Handling and maintain of Metro sampling related issues.
* Responsible for process improvement work by assisting in engineering request and evaluation.
* Troubleshooting and tool recovery of Photo & metrology equipments.
* Establishing the BKMs for equipment to allow effective troubleshooting.
* Plan and arrangement in PM / CM for Photo –Metrology equipments.
* Check the machine health conditions according to the requirements.
* Recipe setup and optimization of new device process release of Metrology tools.
* Monitoring of Metrology recipe robustness, process issues and follow ups.
* Conducting **regular meeting** (Weekly) with vendors.
* Planning of Tool move in / out (Gantt charting) and follow up.
* Usage of **Personal Protective Equipments** according to needs.
* Monitoring of **SPC Charts, Process capability (CPk), Equipment tracking.**
* Perform data collection and analysis work to support process related issues with the team.
* Generate regular reports to monitor critical parameters & trends to detect deviation or avoid excursion.
* Coordination in troubleshooting all works related to electrical and electronics issues.
* **Responsible for cycle time improvement and tool availability / utilization.**

Equipments Handled in Photolithography

* **TEL tracks** (MARK 7,8. ACT 8 / 12 & Lithius)
* **CANON ES3/ES5/ES6a** scanner machines.
* **ASML TWINSCAN** scanner machines.
* **KLA TENCOR XT / AIM+** tools
* **AMAT CD** Scanning Electron Microscope verity 2 & 3

**Technical skills:**

* Experience of wafer fabrication process in Photolithography
* Trouble shooting, servicing and maintenance of electronic equipments and assembled electronic circuit board using layout diagrams and designed own circuit boards using all standard norms.
* Knowledge on electrical (wiring) and electronic.

April 2003 to Nov 2004 : **Electrical Foreman**

O & M in Fertilizer plant**, SABIC, Saudi arabia**

May 1995 to March 2003 : **Electrical Supervisor**

O & M in Petrochemical plant**, Thirumalai chemicals Ltd India**

**Computer Skills:** Posses good proficiency in Computer operating system such as: WINDOWS XP & Vista, Microsoft excel, words and power point

**Language Skills:** English & Tamil (spoken & written)

**HOBBIES** :Reading, cricket, Jogging