

Subrat Prajapati
Mysore, India, M: 91-9886038402
E-mail – prajapatis@myw.ltindia.com
subratprajapati@gmail.com

Executive Profile

- **Electronics Manufacturing Process, semiconductor process**
- **PCB Assembly Process, Quality Control**
- **Six Sigma Black Belt & Project Guide**

Career Highlights

1. Working as Asst. Manager, Larsen & Toubro Ltd in Medical Equipment and Systems.

From: 2005 To: Present

Company Profile: L&T Medical division is in Design development & manufacturing of Medical Equipments Patient Monitoring System, Ultrasound, Electro surgical units with accreditations of IEC 60601-1, ISO 13485:2003, CE, UL having exports to USA.

Key Responsibilities

- » Production line planning, setup, layout using value stream mapping, TIMWOOD, Lean manufacturing principles.
- » New Product launch- Test Jig/fixtures planning, designing & manufacturing, Pilot lot FMEA execution, technologies transfer to production.
- » Six Sigma project Guide: Project selection, planning, review, monitoring progress to improve Z-value of Patient Monitoring System that includes from PCB assembly to Final Unit.
Projects taken for 09-10: 24 GB; 12 BB
- » Validation of 4M –Process in PCB Assembly, Testing.
- » Working on Contract Manufacturing comprises of electrical and electronics assembly. Role includes project planning, production setup, Testing & Installation.
- » PCB Assembly Vendor Development through Cpk, Yield Analysis.
- » Statistical analysis of product reliability and improvements initiative.
- » Knowledge on standards ISO, IPC, JEDEC for manufacturing process.

Major Projects Handled

1. Improving VAR (value added ratio) from 0.3 to 0.98 in PMS production line using value Stream mapping.
2. Yield improvement of fine pitch IC's in PCB (Six sigma project): 2.6σ to 3.7σ
3. Yield improvement of Ball Grid Array IC in PCB (Six sigma project): 2.9σ to 3.5σ
4. PCA Assembly Vendor development: Yield from 78% to 92%
5. Initiate for modification on IPC 7525A standard for stencil design guidelines.
6. Medical product Burn-in validation using Weibull probability plot analysis.

2. Worked as a Sr. Process Engineer DVD-R manufacturing in Moser Baer India Ltd, Noida.

From: 2003-2005

Company Profile: Moser Baer is world's 3rd largest manufacturer in Optical Storage Media having annual turnover of INR 3800 Cr.

Key Responsibilities

- » Worked for DVD Manufacturing Process in aspect of: -
 - Improving in Process Capability, Yield improvement in DVD-R Manufacturing
 - Cycle Time Reduction
- » Six Sigma Project Planning, Organizing, Controlling and Completion.

3. Worked as a Production Engineer in Dixon Utility & Export Ltd, Noida.

From: 2001 – 2003

Company Profile: Dixon Utl & Exp (ISO 9001-Q Plus) is an original equipment manufacturer of LG, Philips, TCL under a extensive quality control manufacturing of CTV, PCA, DVD Player.

Key Responsibilities

- » Handling Production planning & control (PPC) for LG PCB assembly Line.
- » Responsible for Process Control of C.T.V PCB's Assembly line.
- » Worked for improving overall shop floor performance through training & implementing Six-Sigma, TQM, Poka-Yoke, PDCA, 5S methodologies.

Major Projects Handled:

1. To reduce Dry (Defect) PCB from Wave Soldering Machine
Result: 14000 ppm from 788000 ppm using Full Factorial DOE (3^3)
Total of 73% improvement and saving of 2.4 lakh/Annum achieved at the end.
2. Increased Production from 1.1 Ch/M.Hr to 1.3 Ch/M.Hr using Lean Six Sigma Methodology.
3. RTY Improvement – 88% from 76% by eliminating operator variability.

Professional Achievements

1. Certified Six-Sigma Black Belt Achiever from Larsen & Toubro Ltd.
2. Certification courses on 'Intellectual Property Management-General' from WIPO-'A' grade.
3. Copyright applied for Stencil Design using Regression Analysis, published white paper in leading global site (www.circuitnet.com).
4. Certified Internal Auditor in ISO-9001: 2000 from ETDC, Mohali.

Academic Credentials

1. Bachelor of Engineering (Electronics), Pune University.
(August 1996–July 2000)
2. Postgraduate Diploma in Computers s/f (PGDASDD) conducted by Electronics
Research & development centre of India, Run by Govt. of India
(August 2000-january 2001)

Proficiencies

Package	:	MS-OFFICE (Excel, PowerPoint, MS Project)
Professional Tool	:	MiniTab-15.0, PCPRO-PCB Design, Orcad schematic design.
DMAIC Tools	:	QFD, FMEA, Gauge R&R, Cp/Cpk, ANOVA, Hypothesis Test /ChiSqr, Correlation/Regression, DOE, Control charts.

Personal Vitae

Date of Birth	:	29 th October 1978
Father's Name	:	Shr. Ram Nath Prajapati (AGM - AAI)
Passport Status	:	Ready – Canada official visit
Marital Status	:	Married