

## **DHEERAJ VALKYA GADICHERLA**

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### **OBJECTIVE**

To pursue a research oriented challenging career in Bio-Medical Engineering which subtly exploits my Mechanical Background.

### **EDUCATION**

Graduated in the 95<sup>th</sup> Percentile of the class from ANNA UNIVERSITY (SA Engineering College), Chennai

### **COMPUTER SKILLS**

- Auto CAD, VBasic, FEMAP, ANSYS, ABAQUS, MS Office, MS Project, MS Visio, Adobe Photoshop
- Operating Systems: Windows 95/98/2000/XP, Windows NT 4.0, MS-DOS.

### **ENGINEERING MACHINERY SKILLS**

- Experienced with Lathe, Milling machine, Shaper and Drilling machine

### **PROFESSIONAL EXPERIENCE**

- **INTEGRAL COACH FACTORY, Chennai - PROCESS CAPABILITY ANALYSIS OF SPOT WELDING** Using SEQUENTIAL PROCESS CONTROL approach, I have lead a tem of three in recommending and implementing processes to improve the quality of weld and increase production.
- **SAIL – VIZAG STEEL PLANT, Visakhapatnam** – Undergone in-plant training in Merchant and Material Management Department. Training includes effective management of materials and distribution of labor in the production of Steel Bars.

### **OTHER EXPERIENCE**

- **Organized the first National level symposium for Mechanical Engineering (DYNAMIX-2002) at S.A.ENGG COLLEGE, Chennai;** Instrumental in obtaining a Rs. 150,000 donation to fund the event. Tasks included inviting the 10,000 participants, arranging travel and accommodation and hosting the three day event.

- **July 2002 - August 2003: Marketing and sales of fast moving consumer goods:** Worked as a promoter of a brand new product of healthcare products; met and exceeded the daily/weekly goals.
- **Jan 2002- April 2004: Physics and Math Tutor;** Coached high school students in advanced mathematics and physics.
- **April 2004-july 2004: AUTO CAD teacher,** PRS Institute of Computer Sciences, Guntur, India.

#### **PUBLICATIONS / PRESENTATIONS**

- **“Product Design - A Gestalt Psychology Approach”** - Presented at the Information Technology Department, Jaya College of Engineering, Chennai. Deals with the psychological approach to the design of a product.
- **“Analysis of vibrations for objects subjected to hydraulic pressure”** - Deals with analysis of vibrations of a submarine submerged under the sea.
- **“TRIZ-Theory of inventive reasoning”** - Deals with a systematic invention concept called TRIZ, to solve problems by ordinary people without any specialized form of knowledge.
- **“COMPUTER AIDED HUMAN MACHINE INTERFACE DESIGN”** - Deals with application of the AUTO CAD software in the automobile industry, emphasizing the human and machine interactions to improve quality and production.
- **“UNCONVENTIONAL ELECTRIFICATION OF STREETS”** - Dealing with using the Piezo electric crystals for generation of electricity to light the streets and save electricity.

#### **HONORS / AWARDS:**

- Won **Mr. ICON** title, at ICON, national level computer technical symposium held at the Pondicherry Engineering College, Pondicherry.
- Won three first places in the **Marketing Contests** at National Level at: Jaya engineering college, Veltech institute of technology and Pondicherry Engineering College.

#### **REFERENCES**

Available upon request.