

SAHITHI REDDY NAGILLA

402 kerby street Apt 113, Arlington, Tx-76013

Phn: (773)766-9299

Email: sahithi.nagilla@gmail.com

EDUCATION

Master of Science in Mechanical Engineering

University of Texas at Arlington, Arlington, TX

GPA:3.00/4.00

(Graduation December 2015)

Coursework : Production and Inventory Control, Finite Element Method, Control System Components, , Fundamentals of Sustainable Energy, Fundamentals In Electronic Packaging , Application Of Computational Techniques To Electronic Packaging, Convective Heat Transfer, Radiative Heat Transfer.

Bachelor of Engineering in Mechanical Engineering

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India

GPA:3.27/4.00

August 2009 to May 2013

ACADEMIC THESIS/PROJECTS:

Thesis Title: "Thermal Degradation of Electrolytic and Polymer Capacitors and Electronic Resistors for Use in Mineral Oil Immersion Applications" (Graduate Thesis)

Description: Analyzing the **material properties of Capacitors and Resistors** in mineral oil immersion cooling system for reliability evaluation.

Project Title: " Design of Frictionless Train System Using Magnetic Levitation " (Final year Undergraduate project)

Description: Design was build using permanent magnets and electromagnets. The levitation is done by supplying controlled voltage and amperage to the electromagnets. The movement of the train by angular deflection of the electromagnets.

Project Title: " Design of Scissors Type Load Lifter with Index Table "(Undergraduate project)

Description: A multi level car parking system (Prototype) .Main objective is space reduction in the metropolitans .Helpful in an area that has fewer parking spaces with allocation of mare vehicles. Lifter which has scissor mechanism to lift the loads. Geneva mechanism for indexing the vehicle to fill in vacant slots.

Seminar Title: " Design of Automatic Glass Cleaners for Elevated Buildings "(Undergraduate Seminar)

Description: The climbing constructive variant of robot is designated in cleaning-washing services of frontage buildings with glass walls. The system is composed from mechanical system with light structure, power system formed by pneumatic-vacuum system, and command moving in conformity with predictable software.

"In-plant Orientation Training" at Central Institute Of Tool Design (CITD) established by the Government of India

SKILLS: Certificate Course in "Auto-Cad, Catia V5, CNC" at Central Institute of Tool Design, Andhra Pradesh. Also proficient with Solid Works, FANUC Controller, Unigraphics.

EXPERIENCE: OM VENSATIM TECHNOLOGIES

Work Title: CNC Programmer/ Designer.

Description: Development of Endoscopic Coupler by Reverse Engineering with the Application of CATIA V5 and VMC (Vertical Machining Center) with FANUC CNC Controller.

ACTIVITIES:

GRADUATE

- Author for the Paper on "**Thermal Degradation of Electrolytic and Polymer Capacitors and Electronic Resistors for Use in Mineral Oil Immersion Applications "** for the IOTHERM 2016 (The Intersociety Conference on Thermal and Thermo-mechanical Phenomena in Electronic Systems).
- Co-Author for the **paper on " Accelerated Thermal Degradation Testing Of Printed Circuit Boards and Packages in Mineral Oil Immersion Cooling Systems "** and submitted for IOTHERM 2016.
- Worked on the experiments done on IT equipment immersed in mineral oil using immersion cooling method and exploring the methodology for oil immersion cooling which is different to air cooling as a member of the EMNSPC team at **The University of Texas at Arlington (May 2015- Nov 2015).**
- Presented a **Poster on "An In-Depth Understanding of Oil Immersion Cooling Strategies for Data Centers"** at ES2(Center for Energy-Smart Electronic Systems), an Industrial Advisory Board Meeting at Georgia Tech University, Atlanta.
- Submitted a **paper on " Oil Immersion Cooling Strategies for Data Centers"** for the SEMI-THERM 2016.

UNDERGRADUATE

- Presented paper on "Automation in Mass Production" 2011.
- 'Robotronix' conducted by 'Technophilia' in association with "Techkriti-Indian Institute of Technology (IIT), Kanpur India" 2010.
- 'Auto-Tech Fest' organized by SAE-JBIT in association with "Mercedes Benz and Skoda" 2011.
- Volunteer at "International Conference on Metal Processing and Characterization 2012".
- Services to the "HelpAge India" and "Sivananda Rehabilitation Home" .