

SUSAN.K.THOMAS

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Career Goal:

To work with a reputed institution as Assistant Professor in Aeronautical Department, that will provide me a good platform to utilize my knowledge and skills and will help to grow my career.

Summary:

- Excellent communication and written skills.
- Profound knowledge of the subject areas.
- Good interpersonal and organizational skills.
- Ability to communicate with students, staff and parents.
- Ability to advise the students and problem solving attitude.
- Self-motivated and adaptable to changing work environments.

Educational Qualification:

- Master of Engineering in Mechanical Engineering (2013-15)
(CAD/CAM) from Immanuel Arasar JJ College (Marthandam, TN), affiliated to Anna University, Chennai with 78%
- Bachelor of engineering in Aeronautical Engineering (2008-12)
Lord Jagganath College of Engineering and Technology (tirunthelveli, TN), affiliated to Anna university with 70%
- Higher secondary education (2006-08)
IHRD Kalanjoor, Kerala with 70%
- High School Education (2005-06)
Mount Tabor girl's high school Pathanapuram, Kerala with 70%

Work Experience:

- Currently working at Mount Zion College of Engineering, Kadamanitta (03/2019 – Present)
- Six months experience as a Assistant Professor in SHM engineering college from 14 July 2017 to 30 Nov 2017
- Three years experience as Assistant Professor (B.E.Aeronautical Engineering) in Tamizhan College of engineering and technology (Chenbagaramanputhooor, TN) affiliated to Anna University.
- One year experience as a Lecturer (B.E.Aeronautical Engineering) in Satyam College of engineering and technology (Aralvayimozhi, TN) from 26 Jun 2012 to 16 May 2013

Academic Project:

- Detail analysis of flap track bracket for a Light Transport Aircraft (LTA) in **NAL** – 2012.
- Design analysis and comparison of aluminum alloy leaf spring with conventional steel in **ISRO** – 2015.

Paper publication

- Paper published in IJSRD' Design Analysis and Comparison of Aluminum Alloy Based Leaf Springs With Conventional Leaf Springs

Conferences:

- Paper presented in ICTETSHAM' 15 titled "Design Analysis and Comparison of Aluminum Alloy Based Leaf Springs with Conventional Steel Springs" held at Tamizhan College of Engineering and Technology.
- Paper presented in ICMACE' 14 titled "Design and Fluid Flow Analysis of Mini Heat Exchanger For Cooling of Thyristor" held at Tamizhan College of Engineering and Technology.
- Paper presented in ETET2014 titled "Fabrication and Testing of Nature Fiber Reinforced Hybrid Composites Banana/Coir" held at Travancore Engineering College.
- Paper presented in ETET2014' 14 titled "Design Analysis and Comparison of Aluminum Alloy Based Leaf Springs with Conventional Steel Springs" held at Tamizhan College of Engineering and Technology.

Faculty Development Program:

- Participated in the Five days faculty development Program on "Computer Programming in C" held at Mount Zion College of Engineering from 16/12/2019 to 20/12/2019

Webinar:

- Participated Webinar on "Numerical Simulation of Granular Propellant Combustion" held at Mount Zion College of Engineering on 30/7/2020
- Participated Webinar on "Learn Six Sigma" held at Mount Zion College of Engineering on 8/7/2020

Technical Symposium:

- Participated in the International Technical Symposium AZTRONZ' 13 held on 21/02/2013
- First position in the National Level Technical Symposium paper presentation in SHIROSHI' 12 held on 06/04/2012
- Participated in the National Level Symposium AZTRONZ' 11 held on 30/09/2011

Area of interest:

- Finite Element Method
- Aerodynamics
- Structures
- Vibrations
- Experimental Stress Analysis (ESA)

Soft Skills:

- Basics of C, C++, HTML, SQL
- M.S Office-2007
- Design Software: AutoCAD, Pro E, Ansys

Achievements:

- 100% result during the academic year 2013-14 in Tamizhan College of Engineering and Technology.
- 100% result during the academic year 2018-19 in Mount Zion College of Engineering.

Personal Profile:

Nationality: Indian

Residential Address: Kadamarathum Vila, Thazhethil, Koodal P.O Inchapara, Pathanamthitta, Kerala