**SARAVANAN**

[**SARAVANAN.367336@2freemail.com**](mailto:SARAVANAN.367336@2freemail.com)



**CAREER OBJECTIVE**

* Seeking experienced/junior level engineering position in an aircraft manufacturing industry or faculty position in an institution with high repute.

**PROFILE SUMMARY**

* M.Tech in Manufacturing Technology from PRIST University, Tanjore.
* B.E in Aeronautical Engineering from VSB Engineering College, Karur (affiliated with Anna University, Chennai.)
* Proficient in finding and resolving malfunctions, using exceptional technical and communication skills.
* Ability to express technical concepts clearly to people with no technical background.
* Worked on academic project “Design & Analysis of Micro Aerial Vehicle” and “Optimization and Analysis of crack resistance of composite materials for aircraft applications”.
* Adept in CAD Design, Structural Analysis and familiar with Engineering Materials.
* An effective communicator with excellent interpersonal, logical thinking & analytical abilities.
* Professionally worked as technical instructor for Aeronautical Engineering subjects.
* Serving to inability people through SCOUT.

**WORKING EXPERIENCE**

**@Institutions**

* Worked as **Lecturer** in the Department of **Aeronautical Engineering** at **VSB Engineering College**, Karur (April 2010 – Dec 2012)
* Worked as **Asst. Professor** in the Department of Aeronautical Engineering at **RVS Educational Trust’s Group of Institutions**, Dindigul (Jan 2013 – Aug 2016).

**@Industry**

* Presently working as **Production Supervisor** at **Infinite Switchgear** Manufacturing Company, Dindigul, Tamilnadu (Since Nov 2016)

**Roles and Responsibilities:** Monitoring overall factory activities, factory maintenance, managing accounts & auditing report generation, monitoring material purchase, daily work done report and inventory control

**ACADEMIC PROJECTS**

**UG PROJECT DETAILS**

**Title** : Design and Analysiation of Micro Aerial Vehicle (MAV)

**Key Role** : Contribution in Propulsion and Aerodynamic part

**Platform Used:** CATIA v5, NASTRAN

**Description** : Model is designed by using CATIA software and analysis has been done by NASTRAN. The main purpose of this cost effective project is surveillance and spy vehicle in defense.

**PG PROJECT DETAILS**

**Title :** Optimization and of Analysis Crack Resistance of Composite Materials for Aircraft Applications

**Platform Used:** Pro-E Wildfire 2 and Ansys 10

**Description :** Optimizing the strength of aircraft winglet by changing order, angle and number of plies of different composites to bring down the Tsai-Wu Failure Index less than 1 (TSAW <1) so that minimum stress condition will be achieved in the winglet area.

**CORE COMPETENCIES**

* High Temperature Materials
* Strength of Materials
* Aerodynamics
* Structural Analysis

**SCHOLASTIC**

2014 M.Tech (Manufacturing Technology) from PRIST University, Tanjore with 7.86 (CGPA)

2009 B.E in Aeronautical Engineering from VSB Engineering College, Karur with 81% marks

2005 HSC from L.F.H.S. School Tamilnadu State Board with 90.7% marks

2003 SSLC from L.F.H.S. School, Tamilnadu State Board with 94.8% marks

2012 Appeared on GATE 2012, scored 216 (28/100)

**CO CURRICULAM**

* Rewarded by CHANDRAYAN Director Mr. Mayilsamy Annadurai for performing water rocketry.
* Received management scholarship for securing 2nd rank in 3rd semester
* Received Merit certificate and Memorial prize for scoring top marks in schools
* Presented research papers in National Conferences
* UG Project Guide for “Fabrication of Helicopter” project
* Attended Workshop on “Fluid Dynamics” conducted by IIT Bombay in 2015
* **Subjects Handled**: High Temperature Materials, Aerodynamics, Aircraft Structures, Propulsion, Aircraft Systems and Instruments, Composite Materials, Fatigue and Fracture, Experimental Stress Analysis, Aircraft Materials and Processes and Computer Aided Manufacturing.

**RESEARCH WORK**

**Membership:**

* Life Time Membership in ISTE
* Associate Membership(UAMAE) in IRED(Membership

**Presentations:**

Presented paper in National Conference on

* Electric Propulsion
* Nano Composite materials and its applications
* Optimization and Analysis of crack resistance of composite materials for aircraft applications
* Mechanical Behavior of High Temperature Materials

**Publications:**

* Published paper on “A detailed study of mechanical behavior of combustor materials” published on International Engineering Research Journal (IERJ) Volume 1 Issue10 Page 1360-1366, 2015, ISSN 2395-1621.
* Published paper on “A Detailed Analysis of Mechanical Behavior of Aircraft Gas Turbine Materials” International Journal of Innovations in Engineering and Technology (IJIET) volume 6 Issue 2, Page 223 – 233, 2015, ISSN: 2319-1058.
* Published paper on “A Detailed Analysis of Mechanical Behavior of High Temperature Materials” RESEARCH REVIEW International Journal of Multidisciplinaryvolume 1 Issue 5, 2015, ISSN: 2455-3085 (Online)

**EXTRA CURRICULAM**

**SCOUT:**

* Rajya Pruskar Certificate

**SPORTS:**

* Athlete
* Football Player

**ACHIEVEMENTS:**

* Won Bronze medal in TIES Zonal football Competition.
* Participated in TIES Zonal Athletic Competition.

**INDUSTRIAL VISIT:**

* TANEJA AEROSPACE & AVIATION LIMITED(TAAL) at Hosur
* ISRO-VSSC at Trivandrum
* Air force Station, Sulur, Coimbatore

**SUMMARY OF SKILLS**

**Key Skills:**

* Auto CAD 2017
* Pro- E wildfire 2 (Sketch, Part Design, Assembly)
* Ansys10 ( Structural & Thermal Analysis)
* CFD (Gambit, Fluent)
* CATIA V5 and
* Microsoft Office

**Soft Skills**

* Optimistic
* Interpersonal
* Know-how attitude
* Linguistic
* Logical

**PERSONAL SNIPPETS**

Date of Birth : 9th April 1988

Languages Known : English & Tamil

Marital Status : Married

Reference : Available on request