

**KARTHIC SUBRAMANIYAN . I**

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## **OBJECTIVE :**

To pursue a challenging career with commitment and dedication where I can explore my skills of experience to grow professionally in the challenging and creative environment.

## **EDUCATIONAL BACKGROUND**

- **M.Tech** - Advanced Manufacturing in Shanmugha Arts Science Technology and Research Academy (SASTRA University) with CGPA of 7.34 (2009 – 2011)
- **B.E - Aeronautical** in Hindustan college of Engineering (Anna University) in Chennai by April 2009 with overall percentage of 65% (2006 – 2009)
- **Diploma in Mechanical Engineering** in Shanmugha Polytechnic College by April 2006 and secured overall percentage of 64.75% (2004 – 2006)

## **WORKING EXPERIENCE**

From 22.06.2011 to till date working as Assistant Professor (Head of the Department Aerospace from 05.05.2014 to 16.08.2016) in the department of Aeronautical, Aerospace and Mechanical Engineering in Periyar Maniammai Institute of Science and Technology (PMIST), Vallam, having teaching experience in handling Basic Mechanical Engineering, Thermodynamics, Propulsion, Engineering Materials and Advanced Manufacturing Technology , Aerodynamics, Flight dynamics, Rockets and Missiles.

## **OTHER CONTRIBUTIONS IN PMIST**

- CUII (Centre of University and Industry Interaction) coordinator for Aerospace department.
- Department Coordinator for Workshop, Seminar, Open House and Symposium
- Convener for the National Summer Internship Program in Design and Building of Quadcopter. (Organizer for students to Make a live model of Quadcopter)
- Industry Sponsorship Committee member in the Aerospace Festival 2013.

- Participated in Aerospace Festival 2013 regarding “FUTURISTIC MISSION OF AEROSPACE RESEARCH FOR DEVELOPING INDIA”.

### **JOB RESPONSIBILITIES IN PMIST**

- **Head of the Department (05.05.2014 to 16.08.2016)**
- **Convener of Aerospace department for National Assessment Accreditation Council (NAAC), cycle 2 in PMU 2015.**
- **Additional Chief Superintendent for University exams**
- **Academic Council Member for Aerospace Engineering**
- **Incharge of Aerodynamics lab (Lab erection, Commissioning)**
- **Incharge of Aircraft structures and Repair Lab**
- **Avionics laboratory (Lab erection, Commissioning)**
- **Computational Fluid Dynamics Lab (Lab erection, Commissioning)**
- **Propulsion lab (Lab erection, Commissioning)**
- **Examination Representative.**
- **Member of Board of Studies (Framing the syllabus) for Aerospace Engineering department.**

### **PUBLICATION DETAILS**

Karthic Subramaniyan, D. Jeyasimman, J. Kesavan, A. Manivannan “**Optimization of Surface Roughness Parameters for EN 8 Steel by Tungsten Carbide Tool in Turning Operation**” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, IJERTV4IS060815 ,Vol. 4 Issue 06, June-2015 .

### **SEMINARS AND WORKSHOPS**

- Participated in a Two-Week **ISTE WORKSHOP on Engineering Mechanics** conducted by **Indian Institute of Technology Bombay** from 26<sup>th</sup> Nov to 06<sup>th</sup> Dec, 2013.
- Participated in the “**International Conference on Computational Intelligence and Advance Manufacturing Research**” – **ICCIAMR 2013** and presented a paper on “**Investigation of tool wear on Aluminium Alloy 6351 and pure Aluminium in End Milling**” on 5<sup>th</sup> and 6<sup>th</sup> April 2013 conducted by Vel’s University, Chennai.
- Participated in **Faculty Development Training Programme** on “**ME2032 Computation Fluid Dynamics**” conducted by Anna University, Chennai from 10<sup>th</sup> to

16<sup>th</sup> June 2013.

- Participated in **National Seminar on “Carbon Reduction by Sustained use of Renewable Energy Sources”** organized by Department of Mechanical Engineering, Periyar Maniammai University, Vallam on 22<sup>nd</sup> and 23<sup>rd</sup> February 2013.
- Attended the **Workshop on “Non Destructive Testing”** organized by Department of Physics, Periyar Maniammai University, Vallam on 23<sup>rd</sup> and 24<sup>th</sup> October 2013.
- Attended the **Workshop on “Scanning Electron Microscopy”** organized by Department of Electronics and Communication Engineering, Periyar Maniammai University, Vallam on 24<sup>th</sup> April 2013.
- Participated in the **“Special training programme for the Academic Councillors”** organized by IGNOU, New Delhi through teleconference mode on 19<sup>th</sup> October 2013.
- Participated in **Two-week “ISTE Workshop on Fluid Mechanics”** conducted by **Indian Institute of Technology Kharagpur** from 20<sup>th</sup> to 30<sup>th</sup> May, 2014.

#### **TECHNICAL KNOWLEDGE:**

Operating Systems : Windows XP, MS Office  
Mechanical Design Softwares : Auto CAD, CATIA.

#### **IN PLANT TRAINING:**

- I I T , Kanpur - Introduction to Flight Experiments - 10 days
- DECCAN DIE CASTINGS, Bangalore - 15 days
- PRECITECH Manufacturing Pvt. Ltd., Trichy - 15 days

#### **CERTIFICATIONS:**

- Completed CADIAN & CATIA in CADD CENTRE, Thanjavur – May 2006
- Completed – CADD CENTRE, Thanjavur – May 2010

#### **PROJECT:**

##### **M.Tech Project:**

“Investigation of tool wear on aluminium 6351 alloy and pure aluminium in the end milling operation”

##### **B.E. Project:**

“Performance Evaluation of Solid Propellant Rocket Motor”

##### **Diplomo Project :**

“Anti collision device in Railways”

### **PERSONAL DETAILS:**

- Father's Name : S.Ilavarasan
- Date of birth : 27.11.1985
- Nationality : Indian
- Religion : Hindu
- Cast : Other Backward Class
- Status : Married
- Language : Tamil and English  
(Speak & Write)

### **CO-CURRICULAR ACTIVITIES:**

- **N. C. C. Certificates : (Unit : 1 (TN) AIR SQN NCC)**

Passed "B" Certificate in 2008 – Rank : F C

Passed "C" Certificate in 2009 – Rank : C / CPL

### **DECLARATION:**

I hereby declare that all the details provided by me are true to my knowledge and I promise you that if I am placed at your esteemed organization, I will do my jobs to the best satisfaction of my superiors.

**I.Karthic Subramaniyan**