

## **MUTHURAMAN.R.K**

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### **Career Objective**

To work in a highly competitive & motivating environment that provides a platform to prove my abilities & to reach higher levels of professional growth.

### **Working Experience**

Worked as “LECTURER” in **Madha engineering college**, kundrathur, chennai from **28.06.2010 to 28.06.2013**

Worked as “ASSISTANT PROFESSOR” in **Periyar Maniammai Institute of Science and Technology**, Thanjavur from **15.07.2013 to 17.8.2016**.

Promoted and worked as **Assistant Professor and Head of the Department** in **Periyar Maniammai Institute of Science and Technology**, Thanjavur from **17.08.2016 to till date**

### **Subjects Handled**

- **Flight Dynamics**
- **Aero Engine Maintenance and Repair**
- **Wind Tunnel Techniques**
- **Air Traffic Control and Aerodrome design**
- **Aerodynamics-1**
- **Aerodynamics -2**
- **Space Mechanics**
- **Non Destructive Testing**
- **Air transportation and Aircraft Maintenance**

### **Laboratory Handled**

- **Aircraft Design Project-1**
- **Aircraft Design Project-2**
- **Thermodynamics Laboratory**
- **Propulsion Laboratory**
- **Project work**

## Educational Background

Qualification	Year of passing	Name of institution	% Of marks
<b>S.S.L.C</b>	2004	Govt Boys Higher Secondary School, Pattukkottai.	<b>87.6</b>
<b>H.S.C</b>	2006	Govt Boys Higher Secondary School, Pattukkottai.	<b>74.7</b>
<b>B.E</b> (AERONAUTICAL ENGG)	2010	PSN College of Engineering & Technology, Tirunelveli.	<b>73</b> (First Class)
<b>M.B.A</b> – Correspondence mode (Airline and Airport Management)	2012	Manonmaniam Sundranar University, Tirunelveli	<b>68</b> (First Class)
<b>M.E</b> (AERONAUTICAL ENGG)	2013	SATHYABAMA UNIVERSITY, CHENNAI.	<b>7.9 CGPA</b> (First Class with Distinction)

## Awards

- Awarded as “**Best Teaching Faculty**” during PMU Annual Day held on 15.03.2017.
- Awarded as “**Indian Aero Faculty Leader Award**” by Institution of Aeronautics, Astronautics and Aviation (IAAA) ON 24.01.2018 at Chennai.
- Awarded as “**Best Assistant Professor of the year**” during International Education Symposium and Awards (IESA), Organized by SMARTCIRCUITS Innovations Pvt., Ltd., on 29.09.2019 at Chandigarh.
- Awarded as “**HoD of the Year**” by Institute of Scholars on 06.03.2020

## Achievements

- Organized and worked as “**CO-CONVENOR**” in the National Level Symposium “**GRIFFIN’11**” Conducted on 26.08.11.
- Guided the students to get **R&D project “Design and Fabrication of Hexacopter Model”** funded by “**AeSI, Bangalore**”.
- Organized and worked as “**CO-CONVENOR**” in the National Level Aeromodeling Workshop “**VIMANAS’13**” Conducted on 11.10.13 & 12.10.13 at PMIST.
- Arranged **On Site CAD Software training** for the students- “**Master Diploma in Professional AeroCAD**” at PMIST.

- Organized and worked as “COORDINATOR” on the National Summer Internship Program (NSIP) on “**DESIGN & BUILDING OF QUADCOPTER**” from 04.06.2014 to 28.06.2014 at PMIST.
- Coordinated the event “**OPEN HOUSE 2015**” titled as “Innovative, Informative and Initiative on Science and Technology” from 09.01.2015 to 11.01.2015 at PMIST.
- Organized and worked as “CO-CONVENOR” in the National Level Workshop on “**Making of CANSAT Satellite Design**” Conducted on 29.02.16 & 01.03.16 at PMIST.
- Organized and worked as “CO-CONVENOR” in the Periyar Annual Cultural Events (**PEACE '16**) conducted on 17.03.2016 at PMIST.
- Worked as Co-Convenor for “**24<sup>th</sup> Convocation**” held on 14.10.2016 at PMIST.
- **Chaired** a technical session at **30<sup>th</sup> IEI Aerospace Convention on “Aerospace Engineering: Future Trends and Developments”** on 25.11.2016 and 26.11.2016 at Aadhiyamaan College, Hosur.
- Mentored Students project for “**Making of Abdul Kalam Educational Satellite-AKEDUSAT**” Funded by We serve India and Aeolus Aerotech, Bengaluru.
- Coordinated various guest lectures during 2013 to 2018 at PMIST.
- Worked as Co-Convenor for “**Open house 2017**” held on 28.10.2017 at PMIST.
- Convened “**Support Aero and Space Modelling**” Official World Guinness attempt on 24.02.2018 at PMIST.
- Convenor of National level technical symposium “**ISOPTERONZ'18**” held on 24.03.2018 at PMIST.
- Co- Convenor of Asia Book of record event, SKI NSLV9 Maniammaiyyar SAT

### Papers Presented and Published

- “**Role of UAV in life saving**” published in Global Journal for research Analysis listed and indexed with International ISSN directory Paris 2014, ISSN No. 2277-8160.
- “**Characteristic study of Jatropha and Cardanol biodiesel blends**” published in IOP Conf. Series: Materials Science and Engineering, 2017
- “**Fluctuation assay on dirigible using indigenous material**” presented during International Conference on Emerging Trends in Engineering Research (ICETER'16)
- “**A bird impact analysis of CFRB composite fan blades**” presented during International Conference on Emerging Trends in Engineering Research (ICETER'16)
- “**Advanced experimental system for visualizing vortex pattern in jet flow**” presented in International Conference on Engineering Materials and Processes (ICEMP'17)
- “**Fabrication and testing of helicopter using raspberry PI technology**” presented in International Conference on Engineering Materials and Processes (ICEMP'17)

- **“Fabrication and implementation of black box data retrieval using TOT”** presented in International Conference on Engineering Materials and Processes (ICEMP’17)
- **“Design optimization of re-usable launch vehicle”** presented in International Conference on Recent Advances in Mechanical Engineering (ICRAME’17)
- **“Thermo-Mechanical stress analysis of leading edges pertaining to generic hypersonic vehicle”**  
presented in International Conference on Recent Advances in Mechanical Engineering (ICRAME’17)
- **“Effect of Deformation Behavior on Hypersonic Waverider on the Impact of Leading Edge radius”** published in International Journal for Research in Applied Science & Engineering Technology (IJRASET 2018), Web of Science, ISSN : 2321-9653.

### Memberships

- **Graduate member** in **Aeronautical Society of India, (AeSI)** and also Executive Committee member for AeSI , Chennai Branch.
- **Life Member** of Indian Society for Technical Education (**ISTE**)
- **Associate Member** of Institution of Engineers, India (**IEI**) – **Aerospace Division**
- **Regional Member** of Institution of Aeronautics, Astronautics and Aviation (**IAAA**)

### More about myself

<b>Name</b>	<b>: Muthuraman.R.K</b>
<b>Father’s Name</b>	<b>: Mr. R.Kannan</b>
<b>Gender</b>	<b>: Male</b>
<b>Martial Status</b>	<b>: Married</b>
<b>Date of Birth</b>	<b>: 15-10-1988</b>
<b>Nationality</b>	<b>: Indian</b>
<b>Languages Known</b>	<b>: Tamil, English</b>
<b>Hobbies</b>	<b>: Listening to music, Playing Drums.</b>

### Declaration

**I do hereby confirm that the information furnished above is true to the best of my knowledge and belief.**

**Place: Thanjavur**

**(R.K.Muthuraman)**