



NAME: KAILASH KARUNAKARAN

DESIGNATION: ASSISTANT PROFESSOR

DEPARTMENT: AERONAUTICAL ENGINEERING

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## ACADEMIC BACKGROUND

1. Ph.D (pursuing)
2. M.Tech in Thermal Engineering
3. B.E in Aeronautical Engineering

## EXPERIENCE

Teaching (from 16<sup>th</sup> June 2014 to present)

## AREA OF INTEREST

Engineering Mechanics, Aircraft Propulsion, Thermodynamics, Heat Transfer, Computational Fluid Dynamics, Engine Systems.

## PROFESSIONAL INFORMATION

### PAPER PUBLICATIONS/ PATENT

1. Published paper titled “Thermal modeling of snow to water conversion device using solar energy”, in *International Journal of Mechanical and Production Engineering*, ISSN: 2320-209.
2. Published paper titled “Thermal analysis of parabolic dish snow melting device”, in *International Journal for Research in Technological Studies*, ISSN: 2348-1439.
3. Published paper titled “Numerical investigation of 16 cm<sup>2</sup> active area of PEMFC for performance analysis”, in *International Journal of Creative Research Thoughts*, ISSN: 2320-2882.
4. Published paper titled “Numerical analysis of 16 cm<sup>2</sup> active area of PEMFC for performance study”, in *Quest Journal of Research in Mechanical Engineering*, ISSN: 2321-8185.

### PROFESSIONAL BODY MEMBERSHIP

- 1.
- 2.

### **CONFERENCES/FDPs ATTENDED ( LAST TWO YEARS)**

1. Three days FDP on *RECENT DEVELOPMENTS IN AEROSPACE ENGINEERING AND AVIATION*, sponsored by A.P.J Abdul Kalam Technological University at Jawaharlal College of Engineering and Technology, Lakkidi, Palakkad.
2. Attended workshop on the title *ART OF TECHNICAL WRITING* organized by Department of Mechanical Engineering , Jyothi Engineering College, Thrissur in association with ISTE on 7<sup>th</sup> and 8<sup>th</sup> August 2020.
3. Three days FDP on *OUTCOME BASED EDUCATION AND ACCREDITATION PROCESS* by NIET Coimbatore from 17<sup>th</sup> June to 19<sup>th</sup> June 2021.
4. Attended four weeks hands-on workshop on ANSYS Fluent conducted by SAE, Government Engineering College, Thrissur.

### **AWARDS/ ACHIEVEMENTS**

1. Flight Laboratory training course INTRODUCTION TO FLIGHT EXPERIMENTS at Department of Aerospace Engineering, I.I.T Kanpur