

SYAM S.

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syam007sasidharan@yahoo.com



QUALIFICATION & SKILLS

ACADEMIC CREDENTIALS:

Courses	Specialization	Educational Body	Grade	Percentage
PhD (Pursuing)	Droplet Combustion	Indian Institute of Technology Kharagpur, Kharagpur, India.	NA	NA
M.Tech	Turbomachines	S.V.National Institute of Technology, Surat, India.	First class	8.98/10
B.E.	Aeronautical Engineering (Aeromechanical Stream)	Aeronautical Society of India.	Second class	58.35
10+2	Civil Engineering And Maintenance	Kerala State Board	First Class	71.5
10th		Kerala State Board	Second class	59.16

PROJECT (CURRICULUM)

- **PhD Topic:** Single Droplet Combustion
- **M.Tech Dissertation:** Design and Optimization of High pressure ratio airfoils for Axial Flow Compressors.
- **M.Tech Seminar:** Study on Optimization of Transonic Airfoils Using Genetic Algorithm.
- **B.E. Project:** Study on Shock Wave Boundary Layer Interaction.

AREA OF INTEREST:

- Droplet Combustion, Alternative/Renewable Fuels.
- Gas Turbine Engines and Propulsion.

- Flow through Turbomachines, Design of Axial Flow Compressor and Axial Flow Turbine.
- Fluid Mechanics, Aerodynamics and Computational Fluid Dynamics.
- Thermodynamics, Heat and Mass Transfer.

SOFT SKILLS:

- **Working environment:** Windows 7 and XP.
- **Application** : MS OFFICE
- **Software** : CFD software's GAMBIT&FLUENT, AX-Stream Software
- **Languages** : C, Fortran and MATLAB

KEY ACADEMIC ACHIEVEMENT:

- **Graduate Aptitude Test in Engineering (GATE)** : GATE 2011 (AE-Aerospace Engineering)
- **Rank** : 58
- **Score** : 555
- **Percentile** : 98.02

TRAINING COURSES:

- A course in workshop training in the trade of fitter, Welder and Sheet metal for a period of 6 weeks in Mohanmull Chordia Jain Industrial Training Centre, Chennai.
- A course of 6 weeks laboratory training at Tagore Engineering College in Aerodynamics, Propulsion and Structures.
- A course of 3 days at "Sardar Vallabhbhai National Institute of Technology" in Ax-Stream software in the following modules "Axial Flow Compressor", "Axial Flow Turbine", "Radial Turbine" and "Centrifugal Flow Compressors".

Conference Paper Presented:

- Syam S., Srinibas Karmakar and Ratan Joarder, "An experimental study on droplet combustion of different fuels and biofuel blends in open atmosphere", ICTACEM 2014, December 29-31, 2014, IIT Kharagpur, India, No. 335.

PERSONAL VITAE

Father's Name : Sasidharan
Date of Birth : 25.05.1988
Gender : Male
Marital Status : Single
Nationality : Indian
Cast : Hindu (OBC)
Languages Known : To write : Malayalam (Mother tongue), Hindi, English
To speak : Malayalam, English, Hindi and Tamil

Permanent Address : Nambarayyath Sapthagiri,
S.W.Thazhava,
Thazhava P.O.,
Karunagappally,
Kollam (District),
Kerala (state),
India—690523

REFERENCES:

Prof. Srinibas Karmakar Assistant Professor, Department of Aerospace Engineering, Indian Institute of Technology Kharagpur. +91-3222-283012 (Office)/260349 (Residence) skarmakar@aero.iitkgp.ernet.in	Prof. Ratan Joarder Assistant Professor, Department of Aerospace Engineering, Indian Institute of Technology Kharagpur. +91-3222-283000 (Office)/283001 (Residence) jratan@aero.iitkgp.ernet.in
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DECLARATION

I declare that the information provided above is correct & true to the best of my knowledge. If I am given a chance to work with your esteemed concern, I assure you that I shall discharge my duties to the utmost satisfaction of my superiors for the growth of the company.

Date : 28/10/2015
Place : Kharagpur

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