

## FACULTY PROFILE

Name : S.Benjamin Franklin  
Designation : Assistant Professor (Sr.Gr)  
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Area of Specialization : Thermal Engineering

Total Experience : Academic : 7 Y, 8 M

Industry : 11 Y, 2 M

### Educational Qualification:

Degree	Branch / Specialization	College	University
M.E	Thermal Engineering	Government College of Technology, Coimbatore.	Anna University, Chennai
B.E	Mechanical Engineering	Coimbatore Institute of Technology, Coimbatore	Anna University, Chennai

### Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Sri Ramakrishna Institute of Technology	Assistant Professor(Sr.Gr)	01.10.2014	29.02.2016	1Y,4M,28D
2	Sri Ramakrishna Institute of Technology	Assistant Professor	01.08.2010	30.09.2014	4 Y,1 M,29D
3	Sri Ramakrishna Institute of Technology	Lecturer	09.06.2008	31.07.2010	2 Y,1 M,22D
4	V.L.B.Janakiammal College of Engineering and Technology	Lab Assistant	21.08.2000	19.08.2006	5Y,11M,29D
5	S.A.Ivy Pumps Ltd	Quality Control	01.08.1998	30.09.1999	1Y,1M,29D
6	Shanthi Gears Ltd,Coimbatore.	Production/Inspection	02.02.1995	07.03.1998	3Y.1M,5D

7	Brakes India Ltd, Chennai	Trainee	25.11.1993	14.10.1994	10 M,19D
8	Pallavan Transport Corpn Ltd, Chennai	Trainee	30.04.1991	29.04.1992	11M,30D
<b>Total (as on Feb 2016)</b>					

Publications :

Journals :

1. **S.Benjamin Franklin**, Dr.K.Ramesh, Experimental Investigation on Heat Recovery from Diesel Engine Exhaust Using Pebble Bed Heat Exchanger and Thermal Energy Storage System International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 16 (2015) pp 37090-37098 .
2. **S.Benjamin Franklin**, Dr.K.Ramesh , Dr.R.Mohankumar, Experimental Investigation on the Heat Transfer in fluid flow through Porous media in Pebble Bed Heat Exchanger. International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.50 (2015)pp905-916.

#### International Conferences:

1. **S.Benjamin Franklin**, K.Ramesh, International Conference on Advances in Mechanical and Mechatronics Engineering ICAMME-14, has presented in the paper Heat Transfer studies in Pebble Bed Heat Exchanger, organized by Department of Mechanical Sciences, Sri Krishna College of Engineering and Technology, Coimbatore on 26<sup>th</sup>-28<sup>th</sup> December 2014.
2. **S.Benjamin Franklin**, K.Ramesh, R.Mohankumar, International Conference on Environment and Energy ICEE-2014, has presented in the paper Energy storage studies in Pebble Bed Heat Exchanger, organized by Institute of Science and Technology and JNTUH College of Engineering Hyderabad, on 15<sup>th</sup>-17<sup>th</sup> December 2014.
3. **S.Benjamin Franklin** 1<sup>st</sup> International Conference on South Asia On Global Manufacturing Systems & Management ICGMSM – 2011, has presented in the paper Experimental Investigation on the performance evaluation of diesel engine using diesel blend cotton seed oil as renewable fuel with EGR, organized by Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore, on 1<sup>st</sup> to 3<sup>rd</sup> August 2011.

#### National Conferences:

1. **S.Benjamin Franklin**, K.Ramesh, National level conference on “**Intelligent Automation in Manufacturing and Automation Technologies**” IAMAT-2015, has presented in the paper “Experimental Investigation on heat recovery from diesel engine exhaust using pebble bed heat exchanger and thermal storage system” organized by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Coimbatore on 27 March 2015.
2. B.Amirth, Arun Ashokan, S.Dinesh, V.Dony John, **S.Benjamin Franklin**, National level Conference on “**Advances In Mechanical Engineering**”- has presented in the Paper

“Design,Fabrication and Analysis pebble bed heat exchanger” organized by Department of Mechanical Engineering ,Sri Ramakrishna Institute of Technology,Coimbatore on 26<sup>th</sup> 2014.

- 3. S.Benjamin Franklin National Conference on “Intelligent Automation in Manufacturing and Automotive Technologies-(IAMAT 15)** has Presented in the Paper “Experimental Investigation of cotton seed oil on single cylinder four stroke diesel engine with water cooled exhaust gas recirculation.” Organized by Department of Mechanical Engineering, **Sri Ramakrishna Institute of Technology Coimbatore on 2<sup>7th</sup> March 2015.**

**Workshop Organized:**

S.No.	Title	Duration	Level (Intern./ National)
1	Entrepreneurship	18 October 2013	-

**Seminar, Conference, Workshop Attended:**

1. One day seminar has participated in the “Design & Simulation of heat exchanger” organized by Department of Mechanical Engineering,PSG College of Technology,Coimbatore on 04 December 2015.
2. *Two day hands on Training has participated in the “Design of Experiments for Researchers”organized by Department of Mechanical & Mechatronics Engineering Kongu Engineering College,Erode on 13.02.2015 – 14.02.2015.*
- 3.*Two week ISTE workshop has participated in the “Fluid Mechanics”organized by Indian Institute of Technology Kharagpur on 20<sup>th</sup> to 30<sup>th</sup> May,2014.*
- 4.*One day workshop has participated in the “Modern Trends in Optimization Techniques”organized by Department of Mechanical Engineering,Sri Ramakrishna Institute of Technology,Coimbatore on 5 December 2014.*
5. One day seminar has participated in the “open FOAM CFD” organized by PSG College of Technology, Coimbatore on 22<sup>nd</sup> Feb 2014.
- 6.*Continuing Education programme has completed in the “Computational Fluid Dynamics”organized by School of Energy,PSG College of Technology,Coimbatore on 18<sup>th</sup> March2014 to 17<sup>th</sup> April 2014.*
- 7.*Two day workshop has participated in the “ How to write effective research papers for conferences and journals”organized by Kongu Engineering College,Erode on 25<sup>th</sup>& 26<sup>th</sup>September 2014.*
8. *Two week ISTE workshop has participated in the “Control Systems”organized by Indian Institute of Technology Kharagpur on 2<sup>nd</sup> to 12<sup>th</sup> December,2014.*
- 9.*Two days workshop has participated in the “Graphical system Design Using LabVIEW” organized by Departments of ECE,EEE and Mechanical Engineering in association with National Instruments Bengaluru on 19<sup>th</sup>Feb2013 &20<sup>th</sup> 2013.*
10. One day seminar has participated in the “Advanced Modelling Techniques for Heat Transfer Equipments and its Applications” organized by KPR Institute of Engineering&Technology,Coimbatore on 2<sup>nd</sup> Feb 2013.

**11.** Faculty Development Programme has participated in the “Recent Design concepts of heat transfer equipments in refineries, fertilizers and allied industries” organized by Department of Chemical Engineering, Coimbatore Institute of Technology, Coimbatore on 17<sup>th</sup> August 2013.

**12.** Faculty Development Programme has participated in the “Entrepreneurship” organized by PSG-Step, Coimbatore on 13<sup>th</sup> May to 24<sup>th</sup> 2013.

**13.** Two week ISTE workshop has participated in the “Engineering Mechanics” organized by Indian Institute of Technology, Bombay on 26<sup>th</sup> Nov to 06<sup>th</sup> December, 2013.

**14.** Two week ISTE workshop has participated in the “Computational Fluid Dynamics” organized by Indian Institute of Technology, Bombay on 12<sup>th</sup> to 22<sup>nd</sup> June, 2012.

**15.** Two day ISTE workshop has participated in the “Akash for Education” organized by Indian Institute of Technology, Bombay on 10<sup>th</sup> & 12<sup>th</sup> November, 2012.

**16.** Two week ISTE workshop has participated in the “Engineering Thermodynamics” organized by Indian Institute of Technology, Bombay on 11<sup>th</sup> to 21<sup>st</sup> December, 2012.

**17.** Short –term training programme has participated in the “Advanced Energy Technologies” organized by Indian Institute of Technology, Madras on 20<sup>th</sup> to 24<sup>th</sup> February, 2012.

**18.** One day workshop has participated in the “ Non-Conventional Energy Sources” organized by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Coimbatore on 01 March 2012.

**19.** One day workshop has participated in the “Need based approach for effective teaching” organized by Sri Ramakrishna Institute of Technology, Coimbatore on 21 June 2011

**20.** National conference has participated in the “Intelligent automation in manufacturing and automotive technologies” organized by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Coimbatore on 30<sup>th</sup> April 2010.

**21.** International interdisciplinary research seminar has participated in the “International conference in south Asia on global manufacturing systems & managements” organized by Department of Mechanical Engineering, Coimbatore Institute of Technology, Coimbatore on 3<sup>rd</sup> August 2011.

**22.** Two day workshop has participated in the “ Research Methodologies” organized by Kumaraguru College of Technology, Coimbatore on 15<sup>th</sup> & 16<sup>th</sup> April 2011.

**23.** Short –term training programme has participated in the “Mechatronics: Integrated Technologies for Intelligent Machines” organized by Indian Institute of Technology, Madras on 18<sup>th</sup> to 23<sup>rd</sup> January, 2010.

**24.** One day workshop has participated in the “Technical Communication” organized by SSK College of Engineering & Technology, Coimbatore on 13<sup>th</sup> June 2009.

**25.** National conference has participated in the “Innovative practices for sustainable energy and waste management” organized by Department of Civil and Mechanical Engineering, Sri Ramakrishna Institute of Technology, Coimbatore on 24<sup>th</sup> & 25<sup>th</sup> April 2009

**26.** Two day workshop has participated in the “ High impact teaching skills” organized by WIPRO mission 10X, on 8<sup>th</sup> & 9<sup>th</sup> June 2009.

**27.** Short –term training has participated in the “Practical industrial energy conservation” organized by Department of Mechanical Engineering, Government College of Technology, Coimbatore on 23<sup>rd</sup> to 25<sup>th</sup> February, 2007.

28. Two days workshop has participated in the “Promoting Entrepreneurial Motivation” organized by Department of Mechanical Engineering, Department of Mechanical Engineering, Coimbatore on 27.02.2007 – 28.02.2007.

**Guest Lectures Delivered:**

Topic	Institution	Date(s)
Hydraulic and Pneumatic circuits	Sri Ramakrishna Institute of Technology	13 February 2016

**Membership in Professional Bodies:**

1. The Indian Society for Technical Education, New Delhi – Life member- LM 75238
2. The Indian Institute of Welding, Kolkatta. – Annual member- CHN/AM/R - 10678

**Contributions to the Institution, Department and Society:**

**Institution**

1. Tamil Mandram coordinator
2. Water doctor maintenance in-charge
3. Stock verification committee member
4. Ant ragging committee member
5. Annual day, Graduation day & Sports day function organizing committee member (2011, 2012, 2013, 2014 & 2015)

**Department**

1. Thermal Engineering Laboratory in charge (IC Engines & Heat Transfer)
2. Department library in charge
3. SAE Club coordinator
4. Senior Tutor - 2011-2015 batch
5. NBA - Self Assessment Report (SAR), Part-B, Criterion – 8 preparation work