




Sriram Engineering College

Department of Mechanical Engineering

Name & Photo :		Dr.V.Krishnamoorthy 
Designation:		Professor
Qualification :	UG(Specialization)	AMIE (Mechanical)
	PG(Specialization)	M.E.(Thermal engineering)
	Ph.D	Enhancement of SI Engine Performance through Extended Expansion & Lean burn Techniques
Area of Specialization :		Mechanical Engineering
Experience :	Teaching	28Yrs.
Paper Presentation in Seminar/Conference /Workshop (Specify only numbers)	National/International	4/6
Participation in (Specify only numbers)	Seminar/Conference /Workshop	25
	SDPs/FDPs	5
	Training Programs	5

Subjects Handled	Thermodynamics Fluid Mechanics Heat & Mass Transfer Refrigeration & Air conditioning Engineering Mechanics Process planning and cost estimation Basic civil & mechanical Engineering Engineering Metrology & Measurements Advanced I.C. Engines Pollution and control Production planning & control Hydraulics & Pneumatics Engineering graphics Principle of Management Thermal Laboratory Heat transfer Lab. Fluid Mechanics Lab. Strength Of materials Lab. Work Shop Practicals Machine Shop(Lathe, Shaper ,Planner Milling, grinding)
------------------	--

Experience Details: (Teaching & Industrial)

<i>Name of the Institution</i>	<i>Designation</i>	<i>Total No. of Yrs. / Mons.</i>
Sathyabama University	Senior Lecturer	12 years
SRR Engineering College	Principal	4 Years
Jeppiaar Maamallan Engineering college	Professor	7.5 years
Saveetha Engineering College	Professor	6 Months
SRM University	Associate Professor	2 years
Sriram Engineering College, Perumalpattu, Thiruvallur. (At present Working)	Professor	From 24/11/2023

Paper Presentation / Conferences/FDP/Workshop/Seminar/Guest Lecture:

S. no	Date	Venue	Event	Title
1	7/3/2016	RMK College of Engineering & Technology	Fifth National Conference on Fascinating Advancements in Mechanical Engineering	Enhancement of SI Engine performance
2	31/5/2013	VIT University Chennai Campus	National Level One day Workshop	Advances & Analysis of Composites
3	11/11/2013	RMK College of Engineering & Technology	One day Workshop	Research Opportunities in Material Joining
4	27 & 28 th Feb'2015	Chennai Institute of Technology	Two day workshop	Recent Trends in Renewable energy generation, conservation & Utilization
5	10/12/2012 to 17/12/2012	Centre For Faculty Development ANNA University, Chennai	FDP	Advanced IC Engines
6	1/12/2016 to 10/12/2016	Centre For Faculty Development ANNA University, Chennai	FDP	Finite Element Analysis
7	7 th & 8 th of Feb, 2019	SRM University, Kattankulathur, Chennai	Two Day Workshop	Design of Experiments
8	28/9/2018	SRM University, Kattankulathur, Chennai	One Day Certificate Course	Energy Conservation
9	29/5/2019	SRM University, Kattankulathur, Chennai	International Seminar	Advanced Engine & Fuel Technology

10	26/11/2018 to 30/11/2018	SRM University, Kattankulathur, Chennai	FDP (Certificate of Appreciation)	Recent Advances In Renewable Energy Technologies For Sustainable Development
11	9/9/2019 to 13/9/2019	SRM University, Kattankulathur, Chennai	Five Day Workshop	Optimization Techniques In Engineering Design & Applications
12	26/11/2018 to 30/11/2018	SRM University, Kattankulathur, Chennai	FDP	Recent Advances In Renewable Energy Technologies For Sustainable Development
13	10/10/2018	SRM University, Kattankulathur, Chennai	One Day National Workshop	Current Trends In Material Joining Processes

Journals

S.No	Paper title	Journal (International & National)	Year
1	Combined effect of copper coating & extended expansion engine	Journal of Current Sciences	2006
2	Effect of copper coating on Extended expansion SI Engine	JSAE	October' 2007
3	Emission characteristics of cu coated EE SI Engine	IIPE	April' 2007
4	Emission Characteristics of Copper coated Extended Expansion SI Engine	MT &M	April–June 2007
5	Effect of copper coating on Extended expansion Engine	Journal of Applied Sciences	2007
6	Direct Injection Diesel Engine Rate of heat release prediction using universal load correction factor in double wiebe function for performance simulation	SAE	2011
7	A Comparative evaluation and optimization performance and emission characteristics of a DI Diesel engine fueled withn – propanal, n- pentanol, n-butanol diesel blends using responsive surface methodology	Royal Society of Chemistry (RSC) Elsevier publication	2016
8	A Sustainable and Eco friendly fueling approach for Direct injection Diesel Engine using Restaurant Yellow grease and n-pentanol in blends with diesel Engine	FUEL Elsevier publication	2016
9	Analysis of Coolant Temperature and Swirl Motion Effects on Cycle to Cycle Combustion Variations in SI Engine using Regression and Correlation Techniques	IJMPERD	2018
10	Transient Numerical Analysis of Thermophoresis and Particle Dynamics in a Nano fluid-Pool Boiling conditions	Journal of Molecular Liquids Elsevier publication	2020

Conferences

1. International conference on Small Engine Technology 2007 at Japan organized by SAE & JSAE. (Effect of copper coating on Extended Expansion SI Engine.)
2. Institution of Engineers (India) - National conference -2006 (Combined effect of Copper coating & extended expansion engine)

Awards and Achievements:

1. Won the **Best Teacher award twice** in Mechanical Dept., SATHYABAMA University
2. Question paper setting for SRM University / Pondicherry University
3. Approved Research Guide for Sathyabama University & SRM University

Research Projects obtained:

AICTE TAPTEC Project in the Year 1996 – 5 Lakhs

Any other worth mentioning:

- ❖ Cleared the GATE 1993 and 1994 & got UGC SCHOLARSHIP Rs 1800 per month for doing Master of Engineering.
- ❖ Won the **Best Teacher award twice** in Mechanical Dept., SATHYABAMA UNIVERSITY.
- ❖ Institution of Engineers' India Accreditation for Sathyabama University: Entire work for University including compilation of records of all the engineering departments.
- ❖ Part of the working team of Sathyabama University for NBA' Accreditation: Complete work including compilation of records of Mechanical Engineering departments been done.
- ❖ ISO 9001 Implementation in Sathyabama University in Dept.of Mechanical Engineering.
- ❖ Principal In- charge of S R R Engineering college (Affiliated to Anna University Chennai)right from the inception and developing the college from scratch.
- ❖ Principal of S R R Engineering College from June '2008 till June 2010.
- ❖ Implementation of ISO in S R R Engineering College.

- ❖ Complete Lab equipment maintenance of all Mechanical labs for JEPPIAAR Maamallan Engineering College (Affiliated to Anna University Chennai)
- ❖ Placement and campus interview for batches of mechanical engineering students in various core companies and also technical aptitude training in various colleges and universities.
- ❖ Arranged many symposium, guest lectures and industrial visits for mechanical students in all the colleges worked and still continue to do.
- ❖ Life time ISTE Member
- ❖ Actively participated and given guest lectures in inter disciplinary departments
- ❖ Visited many industries and R&D Centers and had Technical Discussion with heads both private & public funded
- ❖ Actively participated in the MOU Signing of SATHYABAMA UNIVERSITY with ISRO, DRDO, IGCAR, C – WET Taramani Chennai, University of Arkansas USA and SMALL SCALE INDUSTRIES ASSOCIATION at Guindy and Ambattur.
- ❖ Prepared many citations for many leading personalities and legends of International repute.
- ❖ Guided 3 Ph.Ds from Sathyabama University

.