

SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING

Name: Dr. M. ARUL PRAKASH	
Designation:	Associate Professor
Qualification:	M.E, Ph.D.
Area of Specialization:	Thermal Engineering, CFD.
Experience:	Teaching- 25.5 Years
	Industry: 1 Year
Number of Workshops/ Conferences/ FDP Attended:	Worshop- 8 FDP- 16 National/Int. Conference- 6
Publication:	Journal: National - Nil International - 12
	Conference: National: 01 International: 02
General:	<ul style="list-style-type: none"> ✓ 3 - NPTEL short term course completed. ✓ 1 –Online course completed in NITTTR ✓ 3 - Online courses completed in UDEMY. ✓ 5 - Online courses completed in CORSERA.
Staff Achievement	<ul style="list-style-type: none"> • Successfully done Mentoring for Five batches of B. E students. • Received Distinguished Professor Award from Scientific International Publishing House (SIPH), 2024.

PROFESSIONAL EXPERIENCE:

Sl. No	College/Organization	Designation	Period		Total period	Nature of work
			From	To		
1.	Sri Sairam Engineering College.	Associate Professor	19-06-2013	Till Date	9 years & 11 months	Teaching
2.	Global Institute of Engineering and Technology.	Assistant Professor	04-07-2011	31-05-2013	1 year & 10 months	Teaching
3.	Noorul Islam University.	Assistant Professor	04-08-2010	07-06-2011	10 months	Teaching
4.	Adhiyamaan College of Engineering.	Lecturer	18-01-2006	03-08-2010	4 years & 7 Months	Teaching
5.	SCAD College of Engineering and Technology.	Lecturer	17-12-2004	22-08-2005	8 Months	Teaching
6.	Maharaja Engineering College.	Lecturer	01-12-2000	16-12-2004	4 years	Teaching
7.	Sankara Institute of Technology	Lecturer (Polytechnic)	16-06-1998	16-06-1999	1 year	Teaching (Polytechnic)
8.	KSG Industrials.	Engineer Trainee	28-07-1997	13-06-1998	10 months	Quality Control

ACADEMIC QUALIFICATION:

S. No.	Degree	Year	Subject	University/Institution	Passing with
1.	B.E.	1997	Mechanical Engineering	University of Madras	First Class
2.	M.E.	2000	Thermal Engineering	Bharathiyar University	First Class
3.	Ph.D.	2018	Computational Fluid Dynamics (Mechanical Engineering)	Anna University, Chennai.	NA

Ph.D THESIS:

Title: Flow and Heat Transfer Studies of Two Dimensional Laminar Wall Jet Flow over Different Geometries.

University : Anna University

Year of Award : 2018

WORK EXPERIENCE

S.No.	Positions Held	Name of the Institute	From	To
1	Engineer Trainee	KSG Industrials., Coimbatore.	28.07.1997	13.06.1998
2	Lecturer (Polytechnic)	Sankara Institute of Technology, Coimbatore.	16-06-1998	16-06-1999
3	Lecturer	Maharaja Engineering College. Coimbatore.	01-12-2000	16-12-2004
4	Lecturer	SCAD College of Engineering and Technology. Tirunelveli.	17-12-2004	22-08-2005
5	Lecturer	Adhiyamaan College of Engineering. Hosur.	18-01-2006	03-08-2010
6	Assistant Professor	Noorul Islam University. Thuckalay.	04-08-2010	07-06-2011
7	Assistant Professor	Global Institute of Engineering and Technology, Vellore.	04-07-2011	31-05-2013
8	Associate Professor	Sri Sairam Engineering College. Chennai	19-06-2013	Till Date

PROFESSIONAL AWARD

S.No	Name of Award	Awarding Agency	Year
1.	Distinguished Professor Award	Scientific International Publishing House (SIPH).	2024

PUBLICATIONS

1. Enhancing desalination efficiency with a multi-stage solar freshwater system: Integration of paraffin wax and photovoltaic heating
MA Prakash, ANM Das, M Ravikumar, R Umapriya, A Kistan, R Velumayil,
AIP Conference Proceedings 3270 (1), 020214 2025
2. Application of CuO nanoparticles on performance and emission characteristics of ternary blends of diesel, waste cooking oil and pumpkin seed oil biodiesel in an IC engine
RS Raj, P Madhu, CS Dhanalakshmi, MA Prakash
Indian Journal of Chemical Technology (IJCT) 32 (1), 33-40 2025
3. Optimizing Supercapacitor Performance with LSCF, ST, BST, and Coconut Shell Activated Carbon.
J Lurdhumary, PH Princye, L Sangeetha, GSV Kumar, S Maheswari,
Journal of New Materials for Electrochemical Systems 27 (3) 2024

4. The Effective Solar Panel Tracker to Obtain Maximum Energy Optimization by Using Innovative Machine Learning
RK Kaushal, V Velmurugan, S Mahendran, M Arul Prakash, B Singh,
International Conference on Artificial Intelligence and Knowledge 2023
5. Investigating single sloped (SSI) and square pyramid (SPy) solar stills using phase changing material (PCM)
AR Prasad, V Harshith, R Harish, I Venkatesh, MA Prakash,
Materials Today: Proceedings 2023
6. Experimental study on double slope (DSI) and triangular pyramid (TPy) solar stills under the influence of latent heat storage material (LHSM)
M Sudhakar, V Sundar, IU Farooq, AE Andrew, AR Prasad, MA Prakash
Materials Today: Proceedings 2023
7. Battery Thermal Management System Using Phase Change Material on Trapezoidal Battery Pack with Liquid Cooling System
G Murali, V Nagavamsi, A Srinath, MA Prakash
International Journal of Advanced Science and Technology 29 (5), 5288 - 5300 2020
8. Design, Analysis and Development of Epoxy Resin made Omnidirectional Wind Turbine
A Ravinthiran, M Suresh, T Babu, R Mani, MA Prakash
IOP Conference Series: Materials Science and Engineering 988 (1), 012044 2020
9. Flow Analysis of Laminar Wall Jet over Curved Cavity with a Channel Mounted Fin
M Arul Prakash, K Mayilsamy, PM Prabu, A Ravinthiran, G Murali
International Journal of Recent Technology and Engineering 8 (3), 1876-1882 2019
10. Development of Ultrasonic Sensor Based Automatic Braking System
T Ajith Kumar, M Arul Prakash, R Ajith, N Abishek, S Surendhar
International Journal of Engineering Research in Computer Science and 2019
11. Effect of Inlet Slot Dimension on Laminar Plane Wall Jet Flow over an Obstacle
M Arul Prakash, K Mayilsamy, G Murali
ADVANCES in NATURAL and APPLIED SCIENCES 11, 580-587 2017
12. Numerical Investigations on Effect of Obstacle in an Incompressible Laminar Wall Jet Flow
M Arul Prakash, K Mayilsamy, P Rajesh Kanna
Applied Mechanics and Materials 852, 747-753 2016
13. Thermoeconomic Advantage of Absorption Refrigeration System In Refineries
M Rama Subramanian, K Ramprakash, BN Sunil, AP Kaashy, B Balaji, ...
International Journal of Mechanical and Production Engineering 2 (5), 105 2014
14. Numerical simulation of two dimensional laminar wall jet flow over solid obstacle
M Arul Prakash, K Mayilsamy, PR Kanna
Applied Mechanics and Materials 592, 1935-1939 2014

15. Management of Solid Waste and Power Generation using Plasma Arc Gasification Process

C Elanchezhian, M Arul Prakash

International Journal of Mechanical and Manufacturing Technology 2 (1), 96 2013

16. Desalination Technologies: An Overview

M Suresh, TV Arjunan, M Arul Prakash

Proceedings of the National Conference on Evolving Trends in Mechanical 2009

DETAIL OF PATENTS:

S. No.	Patent Title	Patent No.	AwardDate	Agency/ Country	Status
1.	Terrestrial Wireless Communication Systems By Harmonising Requirements With Environments”	202341090258 A	26/11/2024	India	Published
2.	A method for Design and investigation of compliant mechanism in Robotic gripper	202241060607 A	18/11/2022	India	Published
3.	Hybrid Pentagonal pyramid Solar Still Integrated with PV/T System.	202041049408	27/11/2020	India	Published

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<https://www.scopus.com/authid/detail.uri?authorId=57211337462>