



SAI RAM INSTITUTE OF TECHNOLOGY

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in



DEPARTMENT OF MECHANICAL ENGINEERING

Name : E.BALAKRISHNAN

Designation : ASSOCIATE. PROFESSOR

Email : balakrishnan.mech@sairamit.edu.in

Qualification : M.E ,(P.hd)

Specialization : THERMAL ENGINEERING

Research Interest : IC ENGINES, THERMAL SCIENCE.



Experience in years : **Teaching UG** **PG** **Industry**

No. of Workshop/Conferences/
FDP / Webinar attended : Workshop& Webinar Conferences FDP

No. of Workshop/Conferences/
FDP/ Webinar Organized : Workshop& Webinar Conferences FDP

Professional Membership	ISTE
Publications	National :
	International: 01
	Book :
Research Funded Projects	
Consultancy	<ol style="list-style-type: none"> Corporate Training in PLC Given to Employees of Lloyd Insulation - Kancheepuram Failure analysis in Break Mechanism – SG Design , Chennai.
Patents	01
Academic Achievements	<ul style="list-style-type: none"> Completed Introduction to thermodynamics Certified Course – COURSERA Completed AutoCAD for Design & Drafting – COURSERA Completed Speak English Professionally – Georgia Institute of Technology Achieved 100% Results in Following subjects Power Plant Engg , Mechatronics , Adv-.IC Engines ,



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	Design Transmission Systems , Ethics for Engineers , Computer Integrated Manufacturing.
Recognitions & Honors	AUTODESK CERTIFIED PROFESSIONAL PTC CERTIFIED PROFESSIONAL
Any Other Information	More than 18 Yrs of Rich Experience in CAD /CAM Software Tools

List of Publications :(mention the recent publications at the top)

- 1) Elemental analysis of brake pad using natural fibers
- 2) Statistical analysis of electrodeposited nickel coating to S275JR grade mild steel
- 3) Investigation of fin geometries impact on thermal efficiency of solar dryer
- 4) Prediction of human diseases using optimized clustering techniques
- 5) Finite element analysis of a human foot
- 6) Experimental investigation on effects of ethanol fumigation in dual fuel reactivity controlled compression ignition engine

List of Patents :(mention the recent patent at the top)

- 1) "COMPOSITE LPG CYLINDER USING GFRP WITH AL ALLOY MATRIX"
Application No.202141025442 A ,
Date of filing of Application :08/06/2021,
Publication Date : 25/06/2021

Workshop / Webinars Attended :(add the required number of rows according to the need)

S.No.	Name of the Workshop	Organizers	Mode of Program	Month & Year
1	Opportunities and Challenges in Energy storage systems for Buildings	Institute of Energy studies , Anna University- Chennai.		Mar-2017
2	Numerical computation , Optimization & Differential Equ using Matlab	Hindustan Institute of Technology & Science		July-2016
3	Recent Trends in Manufacturing Process	National Council for Science & Technology Communication		AUG-2012



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4	CFD Computational Fluid Dynamics	Skill LYNC	Virtual	June 2020
5	Outcome Based Education & NBA	SHREE L. R. TIWARI COLLEGE OF ENGINEERING- Thane	Virtual	July -2020
6	CFD & its Applications in Power plant Industries	Sathyabama institute of Sci & Technology	Virtual	May-2020
7	Design & Analysis of ATV using ANSYS Software	The Automotive Research Association of India (ARAI), Pune & ANSYS Software Pvt Ltd	Virtual	June - 2020

FDP Attended : *(add the required number of rows according to the need)*

S.No.	Name of the FDP	Organized by (Institution Name)	Mode of Program	Month & Year
1	Kinematic of Machinery	Anna University		Dec -2016
2	Automobile Engineering	Centre for Faculty Development , Anna University		Dec-2018
3	CFD using Open source	IITDM - Kanchipuram		Apr-2016
4	Noval Materials & It's Industrial Applications	Sri Sairam Engg College	Virtual	May-2020
5	RECENT INNOVATIONS AND FUTURISTIC SCOPE FOR RESEARCH IN INTERNAL COMBUSTION ENGINES	St. Joseph's College of Engineering	Virtual	June-2020
6	Emerging Research Area in Engineering	SRM- Institute of Sci & Tech	Virtual	June -2020
7	CFD & it's Engineering Applications	Sri Sairam Engg College	Virtual	June-2020
8	Hands on Training in ROBO-DK , Robotic simulation Tools	Anna University – CEG Campus		Aug -2022



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Conferences Attended:(add the required number of rows according to the need)

S.No.	Name of the Conference	Organizer	Month & Year
1	5 th National Conference on Embedded system & Robotics	GTJEC	Mar-2013
2	2nd National Conference FAME-2013	RMK college of Engg & Tech	March-2013
3	2 nd International Conference on Materials Manufacturing & Applied Science	Sri Sai Ram Institute of Technology	Aug-2016
4	3 rd International Conference on Materials Manufacturing Mechanical for sustainable Development.	Sri Sai Ram Institute of Technology	AUG-2020

Programs Organized (via Dept. /Cells/Clubs):(add the required number of rows according to the need)

S.No.	Name of the Program	Responsibility Held	Month & Year
1	6 Days STTP on Modern Materials & Industrial Automation	Coordinator	June-2020
2	7 Days FDP on Heat Transfer and Computational Fluid Dynamics towards Industrial Applications	Convener	June-2020
3	6 Days FDP on Thermal Energy Storage and Renewable Energy Sources.	Coordinator	July - 2020
4	TECH UP -2020 Project Competition	Coordinator	Oct-2020
5	4 Days Hands On Training in AUTOCAD	Coordinator	Dec-2020
