

**Mr.P.SIVAKUMAR**

**Assistant Professor**

**Department of Mechanical Engineering**

UCE- Bharathidasan Institute of Technology Campus

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➤ **Research Area:**

Production Management, Operation Research, Management

➤ **Educational Qualifications:**

Qualification	Department	Year (From -To)	Percentage	Class
M.E.	CAD / CAM	July 2005 – June 2007	73 %	First Class
M.B.A	Production and Marketing	July 1993 – Apr 1995	59.6 %	Second Class
B.E.	Mechanical Engineering	July 1989 – Apr 1993	64 %	First class

➤ **Experience:**

Name of Company / Institutions	Designation of Post	From	To	Relived on	Experience in Year
Anna University, Tiruchirappalli	Assistant Professor	19-08-2009	Till Date	-	14 Yrs 11 Months
Anna University, Tiruchirappalli	Lecturer	20-02-2008	18-08-2009	-	01 Yrs 06 Months
Easwari Engg; College, Chennai	Lecturer/ Sr.Lecturer/ Asst.Prof	04-02-1999	18-02-2008	18-02-2008	10 Yrs
Sansu Technologies, Madurai	MANAGER	02-12-1997	01-02-1999	01-02-1999	1 Yr 2 Months
Accurate Products Corporation Private Ltd, Chennai-42	APPRENTICE ENGINEER	01-11-1996	01-12-1997	01-12-1997	1 Yr 1 Month
Singer Technologies, Madurai-1	ASSISTANT ENGINEER	04-04-1995	10-10-1996	10-10-1996	1 Yr 6 Months

➤ **Awards:**

- Performance certificate received in the academic year 2003, 2004, 2005 and 2006 in TQM, RMT, Professional Ethics and POM

➤ **Additional / Academic Responsibilities at University:**

- Coordinator from 2012 – 2013 for Industrial Institute Collaboration at UCE, Anna University, Tiruchirappalli
- Chairman (Mechanical Board) for central evaluation from 2013 – 2018, Anna University, Chennai.
- Attended Passing board meeting, Question paper scrutiny meeting and Pre Evaluation meeting at Anna University COE Chennai.

➤ **Professional Activities:**

- Guest Lecturer for MBCBS Computer Science Students on Optimization Techniques in 2009 and 2010
- Guest Lecturer for Polytechnics Staffs on Professional Ethics in 2009.
- Organized two days TEQIP II sponsored National Conference on “Innovations in Engineering Design” conducted by the Department of Automobile Engineering, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli during 29-04-2014 to 30-04-2014.
- Conducted National Conference in CON-COURSE at Easwari Engineering College, Chennai on 2005

➤ **Membership of Scientific and Professional Societies:**

- Life Member, Indian Society for Technical Education (LM89658)
- Life Member, The Institution of Engineers (India) (M – 1558530)

➤ **Fellowships and Grants:**

**NIL**

➤ **Completed B.E/M.E Projects:**

- a. Number of ME Projects Completed: 18 Nos
- b. Number of MBA Projects Completed: 20 Nos
- c. Number of BE Project Completed: 60 Batches

➤ **PhD Research Projects (Completed):**

**NIL**

➤ **PhD Research Projects (Ongoing):**

NIL

➤ **Sponsored Research Activities:**

NIL

➤ **Consultancy Activities:**

NIL

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

- Attended work shop on automotive Materials AUTOMAT'16 from 18-19 dec 16 organized by department of automobile engineering, BIT campus, anna university, trichy. (2 Days)
- Participated Two weeks FDP" advance manufacturing methods and materials from 20-6-16 to 6-7-2016 organized by department of automobile engineering, BIT campus, anna university , trichy. (14 Days)
- Attended foundation skills in integrated product design and development from 27-09-15 to 01-10-15 Organized by center for faculty development, NASSCOM, anna university Chennai. (5 Days)
- Attended thermal engineering applications for sustainable improvement TEASI"15 from 15/6/2015 to 28-6-2015 organized by department of mechanical engineering, BIT campus, anna university, trichy. (14 Days)
- Participated Two weeks FDP" advance manufacturing process for automobiles AMPA'15 from 20-05-15 to 2-6-2015 organized by department of automobile engineering, BIT campus, anna university, trichy. (14 Days)
- Participated in recent advances in materials chemistry ,7,8 mar 2014 organized by department of chemistry, BIT campus, anna university ,trichy. (2 Days)
- P  
participated in QIP smart teaching for the NET generation from 9-12-13 to 23-12-2013 organized by organized by NIITTTR , ,BIT campus, anna university ,trichy. (14 Days)
- P  
participated one weeks FDP" Reseach avenues in welding technology from 1-8-13 to 8-8-2013 organized by department of automobile and mechanical engineering, BIT campus, anna university ,trichy. (7 Days)
- P  
participated one weeks FDP" Engineering mechanics from 15-7-13 to 19-7-2013 organized by anna university ,Chennai. (5 Days)
- P  
participated one weeks FDTP" Heat and Mass transfer from 17-12-12 to 24-12-2012 organized by university college of engineering, BIT campus, anna university, trichy. (7 Days)

- participated Two weeks FDP” industrial effluent treatment-emerging trends and challenges ahead from 11-6-12 to 15-6-2012 organized by ISTE, annamalai university tamilnadu. (5 Days)
- Partisipated in one day workshop ”material joints” on 29-9-2010 organized by department of automobile and mechanical engineering, BIT campus, anna university ,trichy. (1 Day)
- Participated in two days work shop “research methodology”on 18,19 oct 2008 organized by CFAEanna university trichy. (2 Days)
- Participated in two days work shop “applied statics in research ”on 23,24 AUG 2008 organized by CFAE anna university trichy. (2 Days)
- Participated Two weeks FDP”CFD” from 11-6-07 to 23-6-2007 organized by center for faculty development, anna university ,Chennai. (14 Days)
- Participated in two days work shop “effective class room management for engineering college teachers ”on 09,10 JAN 2004 organized by eswari engineering college chennai. (2 Days)
- Completed the courses on TQM at CEG,anna university Chennai,16-21 NOV2004. (5 Days)

#### ➤ **International Conferences Participated:**

- Participated in international conference on “ICOREM” from 27-9-2009to29-9-2009 Organized by Anna University Trichy, Tamilnadu, India.

#### ➤ **Publications :**

##### **a. Books:**

**NIL**

##### **b. International Journals:**

S.No.,	Authors	Title	Name Of The Journal	Isbn/ Issn V,I,M&Y	Page	
					From	To
1	P. Sivakumar <sup>1</sup> S. Siddharth <sup>2*</sup> M. Tamilarasan <sup>3</sup> S. Thirupathi <sup>3</sup> R. Rajasekaran <sup>3</sup>	Evaluation Of Mechanical Properties Of Al-Bn Metal Matrix Composites	International Journal Of Advanced Research In Management, Architecture, Technology And Engineering (Ijarmate) Www.Ijarmate. Com	2454-9762 Vol. 5, Issue 5, May 2019	23	28
2	R. Hari <sup>1</sup> P. Siva Kumar Dhanesh Kant Verma  T. Senthil Kumar	Investigation On Metallurgical Effects Of Delayed Heat Treatment On P-91 Pipes Welded By Orbital Hotwire Tig Welding	International Journal Of Research In Engineering, Science And Management Www.Ijresm.Com	2581-5792 Volume-2, Issue-3, March-2019	477	480
3	S. Paramaguru P. Sivakumar	Performance Improvement Analysis On Pv/T Solar	International Journal Of Trend In Scientific Research	2456-6470, Vol-2   Issue-4 ,	966	970

	M. Sridharan Dr. T. Senthilkumar	Water Collectors Connected In Series And Parallel	And Development (Ijtsrd)  <a href="http://www.ijtsrd.com/papers/ijtsrd14200.pdf">Http://Www.Ijtsrd.Com/Papers/Ijtsrd14200.Pdf</a>	June 2018,		
4	P. Sivakumar, T. Senthilkumar, M. Pavithran	Developing Diffusion Bonding Windows For Joining Z31 Magnesium And Copper Using Nickel Interlayer	Transactions On Innovations In Science & Technology Www.Transistonline.Com	Issn: 2456- 5075, Vol.1, Issue.4, 2016,	51	57
5	P. Sivakumar, T. Senthilkumar, A. Rajan	Improvement Of Tribological And Thermal Properties Of Engine Lubricant By Using Nanoparticle Additives	Transactions On Innovations In Science & Technology Www.Transistonline.Com	Issn: 2456- 5075, Vol.1, Issue.4, Sep2016,	193	199
6	Manickavasaham G Sivakumar P Dr Senthilkumar T Dr Kumaragurubaran B	Experimental Investigation And Processparameter Optimization On En353 With Pcbn Inserts	International Journal Of Engineering Research & Technology (Ijert)	2278-0181 Vol. 5 Issue 05, May-2016	84	90
7	P. Karthick Kumar, P.Sivakumar, B.Kumaragurubaran, T. Senthilkumar	A Review On Nano Fluids: Preparation, Stability Mechanisms And Applications	Transist Online Transactions On Innovations In Science And Technology	Volume 01 Issue 02 2016 E- Issn:2456-5075	31	35
8	<b>D.Vinoth Kumar P.Siva Kumar B.KumaragurubaranT.S enthil Kumar</b>	Experimental Investigation Of Process Parameters In Edm For Incoloy 600 Using Taguchigra	International Journal Of Engineering Science And Computing (Ijesc)	Volume 6 Issue No. 5 Issn 2321 3361 © 2016 Ijesc Impact Factor: 5.611	6202	6206
9	R. Mahendrarvarman, D.B. Sivakumar, P. Sivakumar	Experimental Study On Performance And Emission Characteristics Of A Direct Injection Compression Ignition Engine With Fe3o4 Nanoparticles	Advances In Natural And Applied Sciences Published By Aensi Publication <a href="http://www.aensiweb.com/Anas">Http://Www.Aensiweb.Com /Anas</a>	2016 April V10(I4): Issn: 1995-0772	139	144
10	S.Vijayarangan*, P.Sivakumar	Design And Analysis Of Triple Tube Heat Exchanger With Fins	International Conference On Energy Efficient Technologies For Automobiles (Eeta' 15) Journal Of Chemical And Pharmaceutical Sciences	Jchps Special Issue 6: March 2015 Issn: 0974-2115	233	237
11	R.Ramachandran, P.Sivakumar Www.Jchps.Com	Design And Development Of Cyclone Separator Interconnected Cfbc	International Conference On Energy Efficient Technologies For Automobiles (Eeta' 15) Journal Of Chemical And Pharmaceutical Sciences	Jchps Special Issue 6: March 2015 Issn: 0974-2115	207	211
12	J. Donald Joe, D. B. Siva Kumar, P. Sivakumar	Production Of Hydrogen By Anion Exchange Membrane Using Awe	International Journal Of Scientific & Technology Research	2277-8616 Volume 3, Issue 6, June 2014	38	42
13	N.AnadharajanP.Sivaku marP.Navaneethkrishn anB.Kumaragurubaran	Fabrication And Charaterization Of Metal Matrix Composites	A National Conference On Innovation In Engineering Design	978-81-921- 1286-2 April 2014	263	275
14	Sindhuja. P D.B.Sivakumar P.Navaneethkrishnan P.Sivakumar	Simulation Of The Performance Of A Refrigerator With Modifications For Energy Efficiency Enhancement	National Conference On Innovations In Engineering Design (Ncied'14)	Isbn 9788192112862	247	251
15	A.Rengugadevi	Design And Performance	National Conference On	Isbn	91	95

	P.Sivakumar	Analysis Of Coil Type Solar Water Heating System	Innovations In Engineering Design (Ncied'14)	9788192112862 Apr14		
16	R.Loganathan. P.Sivakumar.	Waste Heat Recovery Steam Generator In Sponge Iron Plant	The Sij Transactions On Industrial Financial & Business Management (Ifbm)	2321-2411 V1,I1, Apr 2013	23	28

### **c. National Journals:**

**NIL**

### ➤ **Conferences**

#### **a. International Conferences:**

- Text dependent speaker recognition system in presence monitoring application in the international conference on ICSCI-2008 organised by pentagram research centre 02-05 JAN 2008.
- Advance material processing and characterization organized department of mechanical engineering, anna university Chennai 29,30 August 2006.

#### **b. National Conferences:**

1. Indian multinational opportunities and challenges at SRM school of management, Chennai 24, 25<sup>th</sup> Feb 2006.
2. Design and performance analysis at coil type solar water heater system in the national conference on innovation in engineering design organized by department of automobile engineering BIT campus, anna university trichy on 29,30<sup>th</sup> April 14
3. No ignition of engine while the stand held in SRESA national conference on reliability and safety engineering organized by BIT campus, anna university trichy on 13-15<sup>th</sup> Feb 14
4. Performance analysis at diesel blended with corn oil, sunflower oil and neem oil national conference recent trends in engineering and technology organized by KSR college of engineering and technology on 10<sup>th</sup> April 2013.
5. Emerging trends in manufacturing science and mechanical engineering organized by department of mechanical engineering, (DOTE) Kerala. 22, 23<sup>rd</sup> Mar 2013
6. Analysis of cascade refrigeration system in the national conference recent trends in mechanical engineering organized by department mechanical engineering, christien college of engineering and technology . 6<sup>th</sup> April 2013.
7. Co-generation a road to prosperity in the national conference on advance in mechanical SCIENCE organized by department of mechanical engineering, C.abdul Hakeem college of engineering and technology coimbuture. 2<sup>nd</sup> march 2013.

8. Waste heat recovery steam generator in sponge iron plant in mechanical SCIENCE organized by department of mechanical engineering, C. Abdul Hakeem college of engineering and technology Coimbatore. 2<sup>nd</sup> March 2013.
9. P. Sindhuja, D. B. Sivakumar, P. Navaneetha Krishnan, P. Sivakumar Simulation of the performance of a refrigerator with modifications for energy efficiency enhancement, Innovations in engineering design, 2013.
10. Intranet planning for shop floor control in the national conference on modeling simulation techniques in manufacturing engineering conference organized by department of mechanical engineering, Panimalar college of engineering and technology Chennai. 16 March 2007.